

LFV, SE-601 79 NORRKÖPING. Phone +46 11 19 20 00. Fax +46 11 19 25 75. AFTN ESKLYAYT

Principal changes included in this Amendment./  
Ändringens huvudsakliga innehåll.

Do not insert in AIP until/Sätt ej in i  
AIP förrän **16 MAY 2024**

| Subject(s)                              | AIRAC Changes   | AIP page  |
|---|---|-----------|
| Prohibited, restricted and danger areas | New: ESR123 Sandby. Changed: ESR121A/B Revinge.<br>Withdrawn: ESD187 Hultsfred. | ENR 5.1   |
| Göteborg/Säve AD                        | AD Operating hours.   | AD 2 ESGP |
| Gällivare AD                            | RFFS, Fuel  | AD 2 ESNQ |
| Stockholm/Skavsta AD                    | RFFS, de-icing hours, OBST converted from meter to feet, LED.                   | AD 2 ESKN |

| Subject(s)  | Non AIRAC changes.  | AIP page  |
|---|---|---|
|   | Effective on receipt. Users are advised not to insert the replacement pages before the effective date of this Amendment. Any NOTAM preceding the changes below will remain in force until the AIRAC date.   |   |
| Differences from ICAO Standards, Recommended Practices and Procedures<br>FIR, CTA TMA and TIA<br>Aerodrome directory<br>Jönköping AD<br>Kalmar AD<br>Norrköping/Kungsängen AD<br>Ronneby<br>Stockholm/Arlanda AD<br>Åre Östersund AD<br>Örebro AD | List of data non-compliant with European Commission Regulation (EU) 2017/373 incorporated.<br>Roenne TMA, channel<br>ESNP, ESHV<br>OBST converted from meter to feet.<br>LED, capability for removal of disabled aircraft.<br>Fuel<br>TEL, MIL OPS<br>Non SID departure modification.<br>RESA, OFZ.<br>Fuel | GEN 1.7<br><br>ENR 2.1<br>AD 1.1<br>AD 2 ESGJ<br>AD 2 ESMQ<br>AD 2 ESSP<br>AD 2 ESMQ<br>AD 2 ESSA<br>AD 2 ESNZ<br>AD 2 ESOE |

Remove the following old pages:  
Tag bort följande gamla sidor:

GEN 0-4-1--8  
1.7-29/30  
3.2-3/4  
3.3-3/4

ENR 2.1-7/8  
5.1-29--39  
5.4-13--28  
5.4-39--90  
5.5-1--5  
6.1-1

AD 1 AD 1.1-11/12  
AD 1.1-27/28

AD 2 ESKILSTUNA  
ESSU 6-1

GÄLLIVARE  
ESNG 1-1/2

GÖTEBORG/Säve  
ESGP 1-1/2  
ESGP 6-1

JÖNKÖPING  
ESGJ 1-3--6  
ESGJ 3-1

KALMAR  
ESMQ 1-1/2  
ESMQ 1-5--9  
ESMQ 2-1

KIRUNA  
ESNQ 6-1

Insert the following new pages:  
Sätt in följande nya sidor:

GEN 0-4-1--8  
1.7-29/30  
3.2-3/4  
3.3-3/4

ENR 2.1-7/8  
5.1-29--40  
5.4-13--28  
5.4-39--90  
5.5-1--5  
6.1-1

AD 1 AD 1.1-11/12  
AD 1.1-27/28

AD 2 ESKILSTUNA  
ESSU 6-1

GÄLLIVARE  
ESNG 1-1/2

GÖTEBORG/Säve  
ESGP 1-1/2  
ESGP 6-1

JÖNKÖPING  
ESGJ 1-3--6  
ESGJ 3-1

KALMAR  
ESMQ 1-1/2  
ESMQ 1-5--9  
ESMQ 2-1

KIRUNA  
ESNQ 6-1

|      |  |      |  |
|------|--|------|--|
| AD 2 | KRAMFORS-SOLLEFTEÅ<br>ESNK 5-5/6<br>ESNK 5-9/10<br>ESNK 6-1  | AD 2 | KRAMFORS-SOLLEFTEÅ<br>ESNK 5-5/6<br>ESNK 5-9/10<br>ESNK 6-1  |
|      | KRISTIANSTAD<br>ESMK 4-1<br>ESMK 4-91  |      | KRISTIANSTAD<br>ESMK 4-1<br>ESMK 4-91  |
|      | LJUNGBYHED<br>ESTL 2-1<br>ESTL 4-1<br>ESTL 4-91  |      | LJUNGBYHED<br>ESTL 2-1<br>ESTL 4-1<br>ESTL 4-91  |
|      | LYCKSELE<br>ESNL 6-1   |      | LYCKSELE<br>ESNL 6-1   |
|      | MALMÖ<br>ESMS 4-1/2<br>ESMS 4-5/6<br>ESMS 4-9/10<br>ESMS 4-13/14<br>ESMS 4-17/18<br>ESMS 4-91<br>ESMS 5-1--3<br>ESMS 5-5<br>ESMS 5-7--14<br>ESMS 6-1 |      | MALMÖ<br>ESMS 4-1/2<br>ESMS 4-5/6<br>ESMS 4-9/10<br>ESMS 4-13/14<br>ESMS 4-17/18<br>ESMS 4-91<br>ESMS 5-1--3<br>ESMS 5-5<br>ESMS 5-7--14<br>ESMS 6-1 |
|      | MORA/Siljan<br>ESKM 5-1<br>ESKM 5-5--8<br>ESKM 5-11/12<br>ESKM 6-1   |      | MORA/Siljan<br>ESKM 5-1<br>ESKM 5-5--8<br>ESKM 5-11/12<br>ESKM 6-1   |
|      | NORRKÖPING/Kungsängen<br>ESSP 1-1/2  |      | NORRKÖPING/Kungsängen<br>ESSP 1-1/2  |
|      | RONNEBY<br>ESDF 1-1/2<br>ESDF 4-1<br>ESDF 4-91<br>ESDF 6-1   |      | RONNEBY<br>ESDF 1-1/2<br>ESDF 4-1<br>ESDF 4-91<br>ESDF 6-1   |
|      | STOCKHOLM/Arlanda<br>ESSA 1-23/24<br>ESSA 4-7  |      | STOCKHOLM/Arlanda<br>ESSA 1-23/24<br>ESSA 4-7  |
|      | STOCKHOLM/Bromma<br>ESSB 6-3/4   |      | STOCKHOLM/Bromma<br>ESSB 6-3/4   |
|      | STOCKHOLM/Skavsta<br>ESKN 1-1--4<br>ESKN 1-7--10<br>ESKN 3-1<br>ESKN 3-3<br>ESKN 6-1   |      | STOCKHOLM/Skavsta<br>ESKN 1-1--4<br>ESKN 1-7--10<br>ESKN 3-1<br>ESKN 3-3<br>ESKN 6-1   |
|      | SUNDSVALL-TIMRÅ<br>ESNN 3-1  |      | SUNDSVALL-TIMRÅ<br>ESNN 3-1  |
|      | TORSBY<br>ESST 6-1   |      | TORSBY<br>ESST 6-1   |
|      | VIDSEL<br>ESPE 4-91  |      | VIDSEL<br>ESPE 4-91  |
|      | ÅRE ÖSTERSUND<br>ESNZ 1-3--9   |      | ÅRE ÖSTERSUND<br>ESNZ 1-3--10  |
|      | ÄNGELHOLM<br>ESTA 4-1  |      | ÄNGELHOLM<br>ESTA 4-1  |
|      | ÖREBRO<br>ESOE 1-1/2<br>ESOE 4-91  |      | ÖREBRO<br>ESOE 1-1/2<br>ESOE 4-91  |
|      | ÖRNSKÖLDSVIK<br>ESNO 3-1   |      | ÖRNSKÖLDSVIK<br>ESNO 3-1   |

Anteckna ändringen på sida GEN 0.2-1.

Record the Amendment on page GEN 0.2-1.

Följande AIP Supplement, AIC och NOTAM är inarbetade i detta AMDT och upphör att gälla den 16 MAJ.

The following AIP Supplements, AIC and NOTAMs are incorporated in this amendment and will expire on 16 MAY.

**Supplement:** 34/24 Rättelse till AIP ENR 5.5 Modellflygfält

**AIC:** -

**NOTAM:**

Series A: -

Series B: 0010/24, 0403/24

Series C: 0162/24, 0224/24

Series D: -

Series E: 0228/24

Series H: -

For comments, please contact: [aip@lfv.se](mailto:aip@lfv.se)

- E N D / S L U T -





## GEN 0.4 Kontrollista/Checklist of AIP pages

| Sida/<br>Page | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date |
|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| <b>GEN 0</b>  |                | 1.7-23        | 30 NOV 2023    | 3.3-2         | 19 MAY 2022    | 1.10-1        | 17 JUN 2021    |
| 0.1-1         | 27 JAN 2022    | 1.7-24        | 30 NOV 2023    | 3.3-3         | 16 MAY 2024    | 1.10-2        | 17 JUN 2021    |
| 0.1-2         | 27 JAN 2022    | 1.7-25        | 30 NOV 2023    | 3.3-4         | 25 JAN 2024    | 1.10-3        | 17 JUN 2021    |
| 0.2-1         | 29 MAR 2018    | 1.7-26        | 30 NOV 2023    | 3.3-5         | 30 NOV 2023    | 1.10-4        | 17 JUN 2021    |
| 0.3-1         | 20 AUG 2015    | 1.7-27        | 30 NOV 2023    | 3.4-1         | 21 AUG 2014    | 1.10-5        | 17 JUN 2021    |
| 0.3-2         | 20 AUG 2015    | 1.7-28        | 30 NOV 2023    | 3.4-2         | 25 JAN 2024    | 1.10-6        | 17 JUN 2021    |
| 0-4-1         | 16 MAY 2024    | 1.7-29        | 30 NOV 2023    | 3.4-3         | 25 JAN 2024    | 1.10-7        | 30 NOV 2023    |
| 0-4-2         | 16 MAY 2024    | 1.7-30        | 16 MAY 2024    | 3.4-4         | 25 JAN 2024    | 1.10-8        | 17 JUN 2021    |
| 0-4-3         | 16 MAY 2024    |               |                | 3.4-5         | 25 JAN 2024    | 1.10-9        | 25 MAY 2017    |
| 0-4-4         | 16 MAY 2024    | <b>GEN 2</b>  |                | 3.5-1         | 24 MAY 2018    | 1.10-10       | 17 JUN 2021    |
| 0-4-5         | 16 MAY 2024    | 2.1-1         | 27 JAN 2022    | 3.5-2         | 30 JAN 2020    | 1.10-11       | 17 JUN 2021    |
| 0-4-6         | 16 MAY 2024    | 2.1-2         | 27 JAN 2022    | 3.5-3         | 30 JAN 2020    | 1.10-12       | 17 JUN 2021    |
| 0-4-7         | 16 MAY 2024    | 2.1-3         | 30 NOV 2023    | 3.5-4         | 08 NOV 2018    | 1.10-13       | 17 JUN 2021    |
| 0-4-8         | 16 MAY 2024    | 2.2-1         | 25 MAY 2017    | 3.5-5         | 30 JAN 2020    | 1.10-14       | 17 JUN 2021    |
| 0.5-1         | 30 MAR 2017    | 2.2-2         | 17 JUN 2021    | 3.5-6         | 30 JAN 2020    | 1.10-15       | 17 JUN 2021    |
| 0.6-1         | 02 NOV 2023    | 2.2-3         | 17 JUN 2021    | 3.6-1         | 01 FEB 2018    | 1.10-16       | 30 NOV 2023    |
| 0.6-2         | 02 NOV 2023    | 2.2-4         | 19 MAY 2022    | 3.6-2         | 16 AUG 2018    | 1.10-17       | 30 NOV 2023    |
| 0.6-3         | 30 NOV 2023    | 2.2-5         | 19 MAY 2022    | 3.6-3         | 30 JAN 2020    | 1.10-18       | 30 NOV 2023    |
| 0.6-4         | 02 NOV 2023    | 2.2-6         | 19 MAY 2022    | 3.6-4         | 10 FEB 2011    | 1.10-19       | 30 NOV 2023    |
| 0.6-5         | 02 NOV 2023    | 2.2-7         | 19 MAY 2022    |               |                | 1.10-20       | 30 NOV 2023    |
|               |                | 2.2-8         | 19 MAY 2022    | <b>GEN 4</b>  |                | 1.10-21       | 30 NOV 2023    |
| <b>GEN 1</b>  |                | 2.2-9         | 19 MAY 2022    | 4.1-1         | 01 DEC 2022    | 1.10-22       | 30 NOV 2023    |
| 1.1-1         | 30 JAN 2020    | 2.2-10        | 19 MAY 2022    |               |                | 1.11-1        | 03 NOV 2022    |
| 1.1-2         | 30 JAN 2020    | 2.2-11        | 19 MAY 2022    | <b>ENR 0</b>  |                | 1.12-1        | 12 NOV 2015    |
| 1.2-1         | 17 JUN 2021    | 2.2-12        | 02 NOV 2023    | 0.6-1         | 02 NOV 2023    | 1.12-2        | 12 NOV 2015    |
| 1.2-2         | 17 JUN 2021    | 2.2-13        | 02 NOV 2023    | 0.6-2         | 02 NOV 2023    | 1.12-3        | 28 MAR 2019    |
| 1.2-3         | 17 JUN 2021    | 2.2-14        | 02 NOV 2023    | 0.6-3         | 02 NOV 2023    | 1.12-4        | 28 MAR 2019    |
| 1.2-4         | 17 JUN 2021    | 2.2-15        | 02 NOV 2023    | 0.6-4         | 02 NOV 2023    | 1.12-5        | 12 NOV 2015    |
| 1.2-5         | 17 JUN 2021    | 2.2-16        | 02 NOV 2023    | 0.6-5         | 02 NOV 2023    | 1.13-1        | 28 MAR 2019    |
| 1.3-1         | 17 JUN 2021    | 2.2-17        | 02 NOV 2023    | 0.6-6         | 02 NOV 2023    | 1.14-1        | 30 JAN 2020    |
| 1.3-2         | 17 JUN 2021    | 2.2-18        | 02 NOV 2023    |               |                | 1.14-2        | 30 JAN 2020    |
| 1.3-3         | 17 JUN 2021    | 2.2-19        | 02 NOV 2023    | <b>ENR 1</b>  |                | 1.14-3        | 30 JAN 2020    |
| 1.4-1         | 17 JUN 2021    | 2.2-20        | 02 NOV 2023    | 1.1-1         | 03 DEC 2020    | 1.14-4        | 30 JAN 2020    |
| 1.4-2         | 17 JUN 2021    | 2.2-21        | 02 NOV 2023    | 1.1-2         | 21 MAY 2020    | 1.14-5        | 30 JAN 2020    |
| 1.5-1         | 10 AUG 2023    | 2.3-1         | 07 DEC 2017    | 1.1-3         | 21 MAY 2020    | 1.14-6        | 30 JAN 2020    |
| 1.5-2         | 10 AUG 2023    | 2.3-2         | 07 DEC 2017    | 1.1-4         | 21 MAY 2020    | 1.14-7        | 30 JAN 2020    |
| 1.5-3         | 19 MAY 2022    | 2.3-3         | 20 JUN 2019    | 1.1-5         | 03 DEC 2020    |               |                |
| 1.6-1         | 13 DEC 2012    | 2.3-4         | 31 JAN 2019    | 1.1-6         | 03 DEC 2020    | <b>ENR 2</b>  |                |
| 1.6-2         | 24 MAR 2022    | 2.3-5         | 08 DEC 2016    | 1.1-7         | 03 DEC 2020    | 2.1-1         | 28 MAR 2019    |
| 1.6-3         | 23 MAR 2023    | 2.4-1         | 11 AUG 2022    | 1.2-1         | 11 AUG 2022    | 2.1-2         | 17 JUN 2021    |
| 1.6-4         | 23 MAR 2023    | 2.4-2         | 30 NOV 2023    | 1.2-2         | 31 JAN 2019    | 2.1-3         | 17 JUN 2021    |
| 1.6-5         | 23 MAR 2023    | 2.4-3         | 30 NOV 2023    | 1.2-3         | 03 DEC 2020    | 2.1-4         | 17 JUN 2021    |
| 1.6-6         | 23 MAR 2023    | 2.4-4         | 30 NOV 2023    | 1.2-4         | 11 AUG 2022    | 2.1-5         | 17 JUN 2021    |
| 1.6-7         | 03 DEC 2020    | 2.4-5         | 30 NOV 2023    | 1.3-1         | 30 JAN 2020    | 2.1-6         | 17 JUN 2021    |
| 1.6-8         | 03 DEC 2020    | 2.4-6         | 30 NOV 2023    | 1.3-2         | 02 DEC 2021    | 2.1-7         | 27 JAN 2022    |
| 1.6-9         | 23 MAR 2023    | 2.5-1         | 25 JAN 2024    | 1.3-3         | 02 DEC 2021    | 2.1-8         | 16 MAY 2024    |
| 1.7-1         | 30 NOV 2023    | 2.5-2         | 25 JAN 2024    | 1.3-4         | 02 DEC 2021    | 2.1-9         | 27 JAN 2022    |
| 1.7-2         | 30 NOV 2023    | 2.5-3         | 23 MAR 2023    | 1.3-5         | 02 DEC 2021    | 2.1-10        | 27 JAN 2022    |
| 1.7-3         | 30 NOV 2023    | 2.5-4         | 25 JAN 2024    | 1.3-6         | 25 APR 2019    | 2.1-11        | 16 JUN 2022    |
| 1.7-4         | 30 NOV 2023    | 2.5-5         | 23 MAR 2023    | 1.3-7         | 25 APR 2019    | 2.1-12        | 16 JUN 2022    |
| 1.7-5         | 30 NOV 2023    | 2.5-6         | 23 MAR 2023    | 1.3-8         | 25 APR 2019    | 2.1-13        | 15 JUN 2023    |
| 1.7-6         | 30 NOV 2023    | 2.6-1         | 30 NOV 2023    | 1.4-1         | 21 MAY 2020    | 2.1-14        | 15 JUN 2023    |
| 1.7-7         | 10 AUG 2023    | 2.6-2         | 30 NOV 2023    | 1.4-2         | 20 JUN 2019    | 2.1-15        | 15 JUN 2023    |
| 1.7-8         | 30 NOV 2023    | 2.7-1         | 12 APR 2007    | 1.4-3         | 20 JUN 2019    | 2.1-16        | 01 DEC 2022    |
| 1.7-9         | 30 NOV 2023    |               |                | 1.4-4         | 21 MAY 2020    | 2.1-17        | 25 JAN 2024    |
| 1.7-10        | 30 NOV 2023    | <b>GEN 3</b>  |                | 1.5-1         | 07 JUN 2007    | 2.2-1         | 28 MAR 2019    |
| 1.7-11        | 30 NOV 2023    | 3.1-1         | 23 MAR 2023    | 1.6-1         | 17 JUN 2021    | 2.2-2         | 03 DEC 2020    |
| 1.7-12        | 30 NOV 2023    | 3.1-2         | 27 JAN 2022    | 1.6-2         | 07 FEB 2013    | 2.2-3         | 18 MAY 2023    |
| 1.7-13        | 30 NOV 2023    | 3.1-3         | 16 JUN 2022    | 1.6-3         | 15 NOV 2012    | 2.2-4         | 28 MAR 2019    |
| 1.7-14        | 04 NOV 2021    | 3.1-4         | 23 MAR 2023    | 1.6-4         | 15 NOV 2012    | 2.2-5         | 28 MAR 2019    |
| 1.7-15        | 04 NOV 2021    | 3.1-5         | 30 NOV 2023    | 1.7-1         | 04 NOV 2021    | 2.2-6         | 25 JAN 2024    |
| 1.7-16        | 04 NOV 2021    | 3.1-6         | 23 MAR 2023    | 1.7-2         | 04 NOV 2021    | 2.2-7         | 25 JAN 2024    |
| 1.7-17        | 30 NOV 2023    | 3.2-1         | 17 JUN 2021    | 1.7-3         | 04 NOV 2021    | 2.2-8         | 25 JAN 2024    |
| 1.7-18        | 30 NOV 2023    | 3.2-2         | 15 NOV 2012    | 1.8-1         | 08 NOV 2018    | 2.2-9         | 18 JUN 2020    |
| 1.7-19        | 30 NOV 2023    | 3.2-3         | 16 MAY 2024    | 1.9-1         | 26 MAY 2016    | 2.2-10        | 18 JUN 2020    |
| 1.7-20        | 30 NOV 2023    | 3.2-4         | 15 JUN 2023    | 1.9-2         | 21 MAY 2020    | 2.2-11        | 25 JAN 2024    |
| 1.7-21        | 30 NOV 2023    | 3.3-1         | 28 MAR 2019    | 1.9-3         | 21 MAY 2020    | 2.2-12        | 28 MAR 2019    |
| 1.7-22        | 30 NOV 2023    |               |                |               |                |               |                |

| Sida/<br>Page | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date |
|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| 2.2-13        | 28 MAR 2019    | <b>ENR 4</b>  |                | 5.4-7         | 21 MAR 2024    | 5.4-78        | 16 MAY 2024    |
| 2.2-14        | 25 JAN 2024    | 4.1-1         | 27 JAN 2022    | 5.4-8         | 21 MAR 2024    | 5.4-79        | 16 MAY 2024    |
| 2.2-15        | 03 DEC 2020    | 4.1-2         | 02 NOV 2023    | 5.4-9         | 21 MAR 2024    | 5.4-80        | 16 MAY 2024    |
| 2.2-16        | 25 JAN 2024    | 4.1-3         | 27 JAN 2022    | 5.4-10        | 21 MAR 2024    | 5.4-81        | 16 MAY 2024    |
| 2.2-17        | 03 DEC 2020    | 4.2-1         | 10 MAY 2007    | 5.4-11        | 21 MAR 2024    | 5.4-82        | 16 MAY 2024    |
| 2.2-18        | 25 JAN 2024    | 4.3-1         | 24 MAY 2018    | 5.4-12        | 21 MAR 2024    | 5.4-83        | 16 MAY 2024    |
|               |                | 4.4-1         | 21 MAR 2024    | 5.4-13        | 21 MAR 2024    | 5.4-84        | 16 MAY 2024    |
| <b>ENR 3</b>  |                | 4.4-2         | 21 MAR 2024    | 5.4-14        | 16 MAY 2024    | 5.4-85        | 16 MAY 2024    |
| 3.1-1         | 02 NOV 2023    | 4.4-3         | 21 MAR 2024    | 5.4-15        | 16 MAY 2024    | 5.4-86        | 16 MAY 2024    |
| 3.2-1         | 02 NOV 2023    | 4.4-4         | 21 MAR 2024    | 5.4-16        | 16 MAY 2024    | 5.4-87        | 16 MAY 2024    |
| 3.2-2         | 02 NOV 2023    | 4.4-5         | 21 MAR 2024    | 5.4-17        | 16 MAY 2024    | 5.4-88        | 16 MAY 2024    |
| 3.2-3         | 02 NOV 2023    | 4.4-6         | 21 MAR 2024    | 5.4-18        | 16 MAY 2024    | 5.4-89        | 16 MAY 2024    |
| 3.2-4         | 02 NOV 2023    | 4.4-7         | 21 MAR 2024    | 5.4-19        | 16 MAY 2024    | 5.4-90        | 16 MAY 2024    |
| 3.2-5         | 02 NOV 2023    | 4.4-8         | 21 MAR 2024    | 5.4-20        | 16 MAY 2024    | 5.5-1         | 19 MAY 2022    |
| 3.2-6         | 02 NOV 2023    | 4.4-9         | 21 MAR 2024    | 5.4-21        | 16 MAY 2024    | 5.5-2         | 16 MAY 2024    |
| 3.2-7         | 02 NOV 2023    | 4.4-10        | 21 MAR 2024    | 5.4-22        | 16 MAY 2024    | 5.5-3         | 16 MAY 2024    |
| 3.2-8         | 02 NOV 2023    | 4.4-11        | 21 MAR 2024    | 5.4-23        | 16 MAY 2024    | 5.5-4         | 16 MAY 2024    |
| 3.2-9         | 02 NOV 2023    | 4.5-1         | 10 MAY 2007    | 5.4-24        | 16 MAY 2024    | 5.5-5         | 16 MAY 2024    |
| 3.2-10        | 02 NOV 2023    |               |                | 5.4-25        | 16 MAY 2024    | 5.6-1         | 18 NOV 2010    |
| 3.2-11        | 02 NOV 2023    | <b>ENR 5</b>  |                | 5.4-26        | 16 MAY 2024    |               |                |
| 3.2-12        | 02 NOV 2023    | 5.1-1         | 25 JAN 2024    | 5.4-27        | 16 MAY 2024    | <b>ENR 6</b>  |                |
| 3.2-13        | 02 NOV 2023    | 5.1-2         | 11 AUG 2022    | 5.4-28        | 21 MAR 2024    | 6.1-1         | 16 MAY 2024    |
| 3.2-14        | 02 NOV 2023    | 5.1-3         | 25 JAN 2024    | 5.4-29        | 21 MAR 2024    | 6.1-3         | 30 NOV 2023    |
| 3.2-15        | 02 NOV 2023    | 5.1-4         | 23 MAR 2023    | 5.4-30        | 21 MAR 2024    | 6.1-5         | 18 MAY 2023    |
| 3.2-16        | 02 NOV 2023    | 5.1-5         | 10 AUG 2023    | 5.4-31        | 21 MAR 2024    | 6.1-7         | 02 APR 2015    |
| 3.2-17        | 02 NOV 2023    | 5.1-6         | 10 AUG 2023    | 5.4-32        | 21 MAR 2024    | 6.1-9         | 25 MAR 2021    |
| 3.2-18        | 02 NOV 2023    | 5.1-7         | 10 AUG 2023    | 5.4-33        | 21 MAR 2024    | 6.2-1         | 18 MAY 2023    |
| 3.2-19        | 02 NOV 2023    | 5.1-8         | 10 AUG 2023    | 5.4-34        | 21 MAR 2024    | 6.3-1         | 25 JAN 2024    |
| 3.2-20        | 02 NOV 2023    | 5.1-9         | 10 AUG 2023    | 5.4-35        | 21 MAR 2024    | 6.3-3         | 25 JAN 2024    |
| 3.2-21        | 02 NOV 2023    | 5.1-10        | 10 AUG 2023    | 5.4-36        | 21 MAR 2024    | 6.3-4         | 18 MAY 2023    |
| 3.2-22        | 02 NOV 2023    | 5.1-11        | 02 NOV 2023    | 5.4-37        | 21 MAR 2024    | 6.4-1         | 18 MAY 2023    |
| 3.2-23        | 02 NOV 2023    | 5.1-12        | 02 NOV 2023    | 5.4-38        | 21 MAR 2024    | 6.5-1         | 18 MAY 2023    |
| 3.2-24        | 02 NOV 2023    | 5.1-13        | 02 NOV 2023    | 5.4-39        | 16 MAY 2024    |               |                |
| 3.2-25        | 02 NOV 2023    | 5.1-14        | 02 NOV 2023    | 5.4-40        | 16 MAY 2024    | <b>AD 0</b>   |                |
| 3.2-26        | 02 NOV 2023    | 5.1-15        | 25 JAN 2024    | 5.4-41        | 16 MAY 2024    | 0.6-1         | 02 NOV 2023    |
| 3.2-27        | 02 NOV 2023    | 5.1-16        | 25 JAN 2024    | 5.4-42        | 16 MAY 2024    | 0.6-2         | 02 NOV 2023    |
| 3.2-28        | 02 NOV 2023    | 5.1-17        | 25 JAN 2024    | 5.4-43        | 16 MAY 2024    | 0.6-3         | 02 NOV 2023    |
| 3.2-29        | 02 NOV 2023    | 5.1-18        | 25 JAN 2024    | 5.4-44        | 16 MAY 2024    |               |                |
| 3.2-30        | 02 NOV 2023    | 5.1-19        | 25 JAN 2024    | 5.4-45        | 16 MAY 2024    | <b>AD 1</b>   |                |
| 3.2-31        | 02 NOV 2023    | 5.1-20        | 25 JAN 2024    | 5.4-46        | 16 MAY 2024    | 1.1-1         | 21 MAR 2024    |
| 3.2-32        | 02 NOV 2023    | 5.1-21        | 25 JAN 2024    | 5.4-47        | 16 MAY 2024    | 1.1-2         | 05 APR 2012    |
| 3.2-33        | 02 NOV 2023    | 5.1-22        | 25 JAN 2024    | 5.4-48        | 16 MAY 2024    | 1.1-3         | 21 MAR 2024    |
| 3.2-34        | 02 NOV 2023    | 5.1-23        | 25 JAN 2024    | 5.4-49        | 16 MAY 2024    | 1.1-4         | 05 APR 2012    |
| 3.2-35        | 02 NOV 2023    | 5.1-24        | 25 JAN 2024    | 5.4-50        | 16 MAY 2024    | 1.1-5         | 21 MAR 2024    |
| 3.2-36        | 02 NOV 2023    | 5.1-25        | 25 JAN 2024    | 5.4-51        | 16 MAY 2024    | 1.1-6         | 21 MAR 2024    |
| 3.2-37        | 02 NOV 2023    | 5.1-26        | 25 JAN 2024    | 5.4-52        | 16 MAY 2024    | 1.1-7         | 18 MAY 2023    |
| 3.2-38        | 02 NOV 2023    | 5.1-27        | 25 JAN 2024    | 5.4-53        | 16 MAY 2024    | 1.1-8         | 21 MAR 2024    |
| 3.2-39        | 02 NOV 2023    | 5.1-28        | 25 JAN 2024    | 5.4-54        | 16 MAY 2024    | 1.1-9         | 21 MAR 2024    |
| 3.2-40        | 02 NOV 2023    | 5.1-29        | 25 JAN 2024    | 5.4-55        | 16 MAY 2024    | 1.1-10        | 23 MAR 2023    |
| 3.2-41        | 02 NOV 2023    | 5.1-30        | 16 MAY 2024    | 5.4-56        | 16 MAY 2024    | 1.1-11        | 16 MAY 2024    |
| 3.2-42        | 02 NOV 2023    | 5.1-31        | 16 MAY 2024    | 5.4-57        | 16 MAY 2024    | 1.1-12        | 23 MAR 2023    |
| 3.2-43        | 02 NOV 2023    | 5.1-32        | 16 MAY 2024    | 5.4-58        | 16 MAY 2024    | 1.1-13        | 30 NOV 2023    |
| 3.2-44        | 02 NOV 2023    | 5.1-33        | 16 MAY 2024    | 5.4-59        | 16 MAY 2024    | 1.1-14        | 21 MAR 2024    |
| 3.2-45        | 02 NOV 2023    | 5.1-34        | 16 MAY 2024    | 5.4-60        | 16 MAY 2024    | 1.1-15        | 30 NOV 2023    |
| 3.2-46        | 02 NOV 2023    | 5.1-35        | 16 MAY 2024    | 5.4-61        | 16 MAY 2024    | 1.1-16        | 30 NOV 2023    |
| 3.3-1         | 02 NOV 2023    | 5.1-36        | 16 MAY 2024    | 5.4-62        | 16 MAY 2024    | 1.1-17        | 30 NOV 2023    |
| 3.3-2         | 02 NOV 2023    | 5.1-37        | 16 MAY 2024    | 5.4-63        | 16 MAY 2024    | 1.1-18        | 30 NOV 2023    |
| 3.3-3         | 02 NOV 2023    | 5.1-38        | 16 MAY 2024    | 5.4-64        | 16 MAY 2024    | 1.1-19        | 21 MAR 2024    |
| 3.3-4         | 02 NOV 2023    | 5.1-39        | 16 MAY 2024    | 5.4-65        | 16 MAY 2024    | 1.1-20        | 30 NOV 2023    |
| 3.3-5         | 02 NOV 2023    | 5.1-40        | 16 MAY 2024    | 5.4-66        | 16 MAY 2024    | 1.1-21        | 30 NOV 2023    |
| 3.3-6         | 02 NOV 2023    | 5.2-1         | 16 JUN 2022    | 5.4-67        | 16 MAY 2024    | 1.1-22        | 30 NOV 2023    |
| 3.3-7         | 02 NOV 2023    | 5.2-2         | 16 JUN 2022    | 5.4-68        | 16 MAY 2024    | 1.1-23        | 30 NOV 2023    |
| 3.3-8         | 02 NOV 2023    | 5.2-3         | 16 JUN 2022    | 5.4-69        | 16 MAY 2024    | 1.1-24        | 30 NOV 2023    |
| 3.3-9         | 02 NOV 2023    | 5.2-4         | 18 MAY 2023    | 5.4-70        | 16 MAY 2024    | 1.1-25        | 30 NOV 2023    |
| 3.3-10        | 02 NOV 2023    | 5.3-1         | 10 AUG 2023    | 5.4-71        | 16 MAY 2024    | 1.1-26        | 30 NOV 2023    |
| 3.3-11        | 02 NOV 2023    | 5.4-1         | 04 NOV 2021    | 5.4-72        | 16 MAY 2024    | 1.1-27        | 30 NOV 2023    |
| 3.3-12        | 02 NOV 2023    | 5.4-2         | 21 MAR 2024    | 5.4-73        | 16 MAY 2024    | 1.1-28        | 16 MAY 2024    |
| 3.3-13        | 02 NOV 2023    | 5.4-3         | 21 MAR 2024    | 5.4-74        | 16 MAY 2024    | 1.1-29        | 30 NOV 2023    |
| 3.4-1         | 02 NOV 2023    | 5.4-4         | 21 MAR 2024    | 5.4-75        | 16 MAY 2024    | 1.1-30        | 30 NOV 2023    |
|               |                | 5.4-5         | 21 MAR 2024    | 5.4-76        | 16 MAY 2024    | 1.1-31        | 21 MAR 2024    |
|               |                | 5.4-6         | 21 MAR 2024    | 5.4-77        | 16 MAY 2024    | 1.1-32        | 21 MAR 2024    |

| Sida/<br>Page          | Datum/<br>Date | Sida/<br>Page                   | Datum/<br>Date | Sida/<br>Page             | Datum/<br>Date | Sida/<br>Page               | Datum/<br>Date |
|------------------------|----------------|---------------------------------|----------------|---------------------------|----------------|-----------------------------|----------------|
| 1.1-33                 | 21 MAR 2024    | ESSD 5-1                        | 27 JAN 2022    | ESGG 1-14                 | 10 AUG 2023    | ESGP 4-7                    | 02 NOV 2023    |
| 1.1-34                 | 21 MAR 2024    | ESSD 5-2                        | 27 JAN 2022    | ESGG 1-15                 | 10 AUG 2023    | ESGP 4-8                    | 03 NOV 2022    |
| 1.2-1                  | 12 AUG 2021    | ESSD 5-3                        | 27 JAN 2022    | ESGG 1-16                 | 10 AUG 2023    | ESGP 5-1                    | 27 JAN 2022    |
| 1.2-2                  | 02 DEC 2021    | ESSD 5-4                        | 17 JUN 2021    | ESGG 1-17                 | 10 AUG 2023    | ESGP 5-2                    | 17 JUN 2021    |
| 1.2-3                  | 12 AUG 2021    | ESSD 5-5                        | 01 DEC 2022    | ESGG 1-18                 | 27 JAN 2022    | ESGP 5-3                    | 17 JUN 2021    |
| 1.2-4                  | 12 AUG 2021    | ESSD 5-7                        | 17 JUN 2021    | ESGG 2-1                  | 26 JAN 2023    | ESGP 5-5                    | 27 JAN 2022    |
| 1.3-1                  | 27 JAN 2022    | ESSD 5-8                        | 05 NOV 2020    | ESGG 2-3                  | 26 JAN 2023    | ESGP 5-6                    | 17 JUN 2021    |
| 1.3-2                  | 11 AUG 2022    | ESSD 5-9                        | 05 NOV 2020    | ESGG 2-4                  | 17 JUN 2021    | ESGP 5-7                    | 17 JUN 2021    |
| 1.3-3                  | 11 AUG 2022    | ESSD 5-11                       | 17 JUN 2021    | ESGG 2-5                  | 18 MAY 2023    | ESGP 6-1                    | 16 MAY 2024    |
| 1.3-4                  | 30 NOV 2023    | ESSD 5-12                       | 05 NOV 2020    | ESGG 2-7                  | 18 MAY 2023    |                             |                |
| 1.3-5                  | 30 NOV 2023    | ESSD 5-13                       | 05 NOV 2020    | ESGG 2-8                  | 18 MAY 2023    | <b>Hagfors ESOH</b>         |                |
| 1.3-6                  | 30 NOV 2023    | ESSD 6-1                        | 21 MAR 2024    | ESGG 3-1                  | 26 MAR 2020    | ESOH 1-1                    | 10 AUG 2023    |
| 1.3-7                  | 30 NOV 2023    |                                 |                | ESGG 3-3                  | 21 MAY 2020    | ESOH 1-2                    | 10 AUG 2023    |
| 1.4-1                  | 30 JAN 2020    |                                 |                | ESGG 3-5                  | 21 MAY 2020    | ESOH 1-3                    | 07 DEC 2017    |
| 1.5-1                  | 11 AUG 2022    | <b>Eskilstuna ESSU</b>          |                | ESGG 4-1                  | 21 MAR 2024    | ESOH 1-4                    | 13 AUG 2020    |
| 1.5-2                  | 16 JUN 2022    | ESSU 1-1                        | 17 JUN 2021    | ESGG 4-3                  | 28 JAN 2021    | ESOH 1-5                    | 04 NOV 2021    |
| 1.5-3                  | 25 MAR 2021    | ESSU 1-2                        | 17 JUN 2021    | ESGG 4-4                  | 28 JAN 2021    | ESOH 1-6                    | 19 MAY 2022    |
| 1.5-4                  | 21 MAR 2024    | ESSU 1-3                        | 14 NOV 2013    | ESGG 4-5                  | 04 NOV 2021    | ESOH 1-7                    | 25 JAN 2024    |
|                        |                | ESSU 1-4                        | 10 SEP 2020    | ESGG 4-7                  | 02 NOV 2023    | ESOH 2-1                    | 10 AUG 2023    |
| <b>AD 2</b>            |                | ESSU 1-5                        | 24 MAY 2018    | ESGG 4-8                  | 10 AUG 2023    | ESOH 3-1                    | 26 MAR 2020    |
|                        |                | ESSU 1-6                        | 03 DEC 2020    | ESGG 4-9                  | 17 JUN 2021    | ESOH 4-3                    | 27 JAN 2022    |
| <b>Arvidsjaur ESNX</b> |                | ESSU 1-7                        | 03 DEC 2020    | ESGG 4-10                 | 17 JUN 2021    | ESOH 5-1                    | 19 MAY 2022    |
| ESNX 1-1               | 10 AUG 2023    | ESSU 1-8                        | 03 DEC 2020    | ESGG 4-11                 | 17 JUN 2021    | ESOH 5-2                    | 19 MAY 2022    |
| ESNX 1-2               | 10 AUG 2023    | ESSU 2-1                        | 10 SEP 2020    | ESGG 4-12                 | 17 JUN 2021    | ESOH 5-3                    | 19 MAY 2022    |
| ESNX 1-3               | 10 AUG 2023    | ESSU 4-3                        | 10 SEP 2020    | ESGG 4-13                 | 02 NOV 2023    | ESOH 5-5                    | 30 JAN 2020    |
| ESNX 1-4               | 10 AUG 2023    | ESSU 5-1                        | 10 SEP 2020    | ESGG 4-14                 | 10 AUG 2023    | ESOH 5-6                    | 30 JAN 2020    |
| ESNX 1-5               | 10 AUG 2023    | ESSU 5-2                        | 10 SEP 2020    | ESGG 4-15                 | 17 JUN 2021    | ESOH 5-7                    | 30 JAN 2020    |
| ESNX 1-6               | 10 AUG 2023    | ESSU 5-3                        | 10 SEP 2020    | ESGG 4-16                 | 17 JUN 2021    | ESOH 5-9                    | 30 NOV 2023    |
| ESNX 1-6               | 02 NOV 2023    | ESSU 5-4                        | 10 SEP 2020    | ESGG 4-17                 | 17 JUN 2021    | ESOH 5-10                   | 30 NOV 2023    |
| ESNX 1-7               | 02 NOV 2023    | ESSU 5-5                        | 10 SEP 2020    | ESGG 4-18                 | 04 NOV 2021    | ESOH 5-11                   | 27 JAN 2022    |
| ESNX 1-8               | 19 MAY 2022    | ESSU 5-7                        | 10 AUG 2023    | ESGG 4-19                 | 02 NOV 2023    | ESOH 6-1                    | 25 JAN 2024    |
| ESNX 2-1               | 10 AUG 2023    | ESSU 5-8                        | 10 SEP 2020    | ESGG 4-20                 | 28 JAN 2021    |                             |                |
| ESNX 3-1               | 19 MAY 2022    | ESSU 5-9                        | 10 SEP 2020    | ESGG 4-21                 | 28 JAN 2021    | <b>Halmstad ESMT</b>        |                |
| ESNX 4-1               | 21 MAR 2024    | ESSU 6-1                        | 16 MAY 2024    | ESGG 4-22                 | 02 NOV 2023    | ESMT 1-1                    | 18 MAY 2023    |
| ESNX 4-3               | 16 AUG 2018    |                                 |                | ESGG 4-23                 | 02 NOV 2023    | ESMT 1-2                    | 18 MAY 2023    |
| ESNX 4-91              | 21 MAR 2024    |                                 |                | ESGG 4-24                 | 28 JAN 2021    | ESMT 1-3                    | 18 MAY 2023    |
| ESNX 5-1               | 16 JUN 2022    | <b>Gällivare ESNX</b>           |                | ESGG 4-25                 | 28 JAN 2021    | ESMT 1-4                    | 26 JAN 2023    |
| ESNX 5-2               | 16 JUN 2022    | ESNG 1-1                        | 10 AUG 2023    | ESGG 4-26                 | 28 JAN 2021    | ESMT 1-5                    | 18 MAY 2023    |
| ESNX 5-3               | 16 JUN 2022    | ESNG 1-2                        | 16 MAY 2024    | ESGG 4-27                 | 02 NOV 2023    | ESMT 1-6                    | 04 NOV 2021    |
| ESNX 5-4               | 16 JUN 2022    | ESNG 1-3                        | 17 JUN 2021    | ESGG 4-28                 | 04 NOV 2021    | ESMT 1-7                    | 04 NOV 2021    |
| ESNX 5-5               | 16 JUN 2022    | ESNG 1-4                        | 25 JAN 2024    | ESGG 4-29                 | 28 JAN 2021    | ESMT 1-8                    | 23 MAR 2023    |
| ESNX 5-5               | 16 JUN 2022    | ESNG 1-5                        | 17 JUN 2021    | ESGG 4-31                 | 02 NOV 2023    | ESMT 1-9                    | 23 MAR 2023    |
| ESNX 5-6               | 16 JUN 2022    | ESNG 1-6                        | 17 JUN 2021    | ESGG 4-32                 | 28 JAN 2021    | ESMT 1-10                   | 23 MAR 2023    |
| ESNX 5-7               | 16 JUN 2022    | ESNG 1-7                        | 17 JUN 2021    | ESGG 4-33                 | 28 JAN 2021    | ESMT 2-1                    | 25 JAN 2024    |
| ESNX 5-8               | 19 MAY 2022    | ESNG 1-8                        | 17 JUN 2021    | ESGG 4-34                 | 28 JAN 2021    | ESMT 3-1                    | 26 JAN 2024    |
| ESNX 5-9               | 19 MAY 2022    | ESNG 2-1                        | 26 JAN 2023    | ESGG 4-35                 | 28 JAN 2021    | ESMT 4-1                    | 23 MAR 2023    |
| ESNX 5-11              | 16 JUN 2022    | ESNG 3-1                        | 25 JAN 2024    | ESGG 4-36                 | 28 JAN 2021    | ESMT 4-3                    | 23 MAR 2023    |
| ESNX 5-12              | 19 MAY 2022    | ESNG 4-3                        | 20 JUN 2019    | ESGG 4-37                 | 28 JAN 2021    | ESMT 4-4                    | 31 JAN 2019    |
| ESNX 5-13              | 19 MAY 2022    | ESNG 5-1                        | 20 JUN 2019    | ESGG 4-38                 | 28 JAN 2021    | ESMT 4-5                    | 28 JAN 2021    |
| ESNX 6-1               | 21 MAR 2024    | ESNG 5-2                        | 20 JUN 2019    | ESGG 4-39                 | 28 JAN 2021    | ESMT 4-6                    | 31 JAN 2019    |
|                        |                | ESNG 5-3                        | 20 JUN 2019    | ESGG 4-40                 | 28 JAN 2021    | ESMT 4-7                    | 23 MAR 2023    |
|                        |                | ESNG 5-5                        | 20 JUN 2019    | ESGG 4-41                 | 28 JAN 2021    | ESMT 4-8                    | 23 MAR 2023    |
|                        |                | ESNG 5-6                        | 20 JUN 2019    | ESGG 4-42                 | 28 JAN 2021    | ESMT 4-9                    | 28 JAN 2021    |
|                        |                | ESNG 5-7                        | 20 JUN 2019    | ESGG 4-43                 | 28 JAN 2021    | ESMT 4-10                   | 31 JAN 2019    |
|                        |                | ESNG 5-9                        | 20 JUN 2019    | ESGG 4-44                 | 28 JAN 2021    | ESMT 4-11                   | 28 JAN 2021    |
|                        |                | ESNG 5-10                       | 20 JUN 2019    | ESGG 4-45                 | 28 JAN 2021    | ESMT 4-12                   | 31 JAN 2019    |
|                        |                | ESNG 5-11                       | 20 JUN 2019    | ESGG 4-46                 | 28 JAN 2021    | ESMT 4-91                   | 23 MAR 2023    |
|                        |                | ESNG 6-1                        | 21 MAR 2024    | ESGG 4-47                 | 28 JAN 2021    | ESMT 5-1                    | 23 MAR 2023    |
|                        |                |                                 |                | ESGG 4-48                 | 28 JAN 2021    | ESMT 5-2                    | 23 MAR 2023    |
|                        |                | <b>Göteborg/Landvetter ESGG</b> |                | ESGG 4-49                 | 17 JUN 2021    | ESMT 5-3                    | 23 MAR 2023    |
|                        |                | ESGG 1-1                        | 26 JAN 2023    | ESGG 4-50                 | 17 JUN 2021    | ESMT 5-4                    | 23 MAR 2023    |
|                        |                | ESGG 1-2                        | 21 MAR 2024    | ESGG 4-51                 | 17 JUN 2021    | ESMT 5-5                    | 23 MAR 2023    |
|                        |                | ESGG 1-3                        | 02 DEC 2021    | ESGG 4-52                 | 17 JUN 2021    | ESMT 5-7                    | 23 MAR 2023    |
|                        |                | ESGG 1-4                        | 26 MAR 2020    | ESGG 4-53                 | 17 JUN 2021    | ESMT 5-8                    | 23 MAR 2023    |
|                        |                | ESGG 1-5                        | 17 JUN 2021    | ESGG 4-54                 | 17 JUN 2021    | ESMT 5-9                    | 23 MAR 2023    |
|                        |                | ESGG 1-6                        | 02 DEC 2021    | ESGG 4-55                 | 17 JUN 2021    | ESMT 5-11                   | 23 MAR 2023    |
|                        |                | ESGG 1-7                        | 18 MAY 2023    | ESGG 4-56                 | 17 JUN 2021    | ESMT 5-12                   | 23 MAR 2023    |
|                        |                | ESGG 1-8                        | 17 JUN 2021    | ESGG 4-57                 | 17 JUN 2021    | ESMT 5-13                   | 23 MAR 2023    |
|                        |                | ESGG 1-9                        | 11 AUG 2022    | ESGG 4-58                 | 17 JUN 2021    | ESMT 6-1                    | 21 MAR 2024    |
|                        |                | ESGG 1-10                       | 10 AUG 2023    | ESGG 4-59                 | 25 MAR 2021    |                             |                |
|                        |                | ESGG 1-11                       | 21 MAR 2024    | ESGG 4-60                 | 25 MAR 2021    | <b>Hemavan Tärnaby ESUT</b> |                |
|                        |                | ESGG 1-12                       | 10 AUG 2023    | ESGG 4-61                 | 21 MAR 2024    |                             |                |
|                        |                | ESGG 1-13                       | 10 AUG 2023    |                           |                |                             |                |
|                        |                |                                 |                | <b>Göteborg/Säve ESGP</b> |                |                             |                |
|                        |                |                                 |                | ESGP 1-1                  | 16 MAY 2024    |                             |                |
|                        |                |                                 |                | ESGP 1-2                  | 10 AUG 2023    |                             |                |
|                        |                |                                 |                | ESGP 1-3                  | 15 JUN 2023    |                             |                |
|                        |                |                                 |                | ESGP 1-4                  | 15 JUN 2023    |                             |                |
|                        |                |                                 |                | ESGP 1-5                  | 24 MAR 2022    |                             |                |
|                        |                |                                 |                | ESGP 1-6                  | 15 JUN 2023    |                             |                |
|                        |                |                                 |                | ESGP 1-7                  | 03 NOV 2022    |                             |                |
|                        |                |                                 |                | ESGP 1-8                  | 03 NOV 2022    |                             |                |
|                        |                |                                 |                | ESGP 4-3                  | 03 NOV 2022    |                             |                |
|                        |                |                                 |                | ESGP 4-5                  | 02 NOV 2023    |                             |                |
|                        |                |                                 |                | ESGP 4-6                  | 03 NOV 2022    |                             |                |

| Sida/<br>Page         | Datum/<br>Date | Sida/<br>Page         | Datum/<br>Date | Sida/<br>Page                  | Datum/<br>Date | Sida/<br>Page                | Datum/<br>Date |
|-----------------------|----------------|-----------------------|----------------|--------------------------------|----------------|------------------------------|----------------|
| ESUT 1-1              | 01 DEC 2022    | ESMQ 2-1              | 16 MAY 2024    | ESOK 5-10                      | 05 NOV 2020    | ESMK 1-3                     | 30 NOV 2023    |
| ESUT 1-2              | 21 MAR 2024    | ESMQ 3-1              | 04 NOV 2021    | ESOK 5-11                      | 05 NOV 2020    | ESMK 1-4                     | 21 JUN 2018    |
| ESUT 1-3              | 21 MAR 2024    | ESMQ 4-1              | 21 MAR 2024    | ESOK 6-1                       | 21 MAR 2024    | ESMK 1-5                     | 30 NOV 2023    |
| ESUT 1-4              | 21 MAR 2024    | ESMQ 4-3              | 28 MAR 2019    |                                |                | ESMK 1-6                     | 23 MAR 2023    |
| ESUT 1-5              | 21 MAR 2024    | ESMQ 4-5              | 07 NOV 2019    | <b>Kiruna ESNQ</b>             |                | ESMK 1-7                     | 23 MAR 2023    |
| ESUT 1-6              | 21 MAR 2024    | ESMQ 4-6              | 07 NOV 2019    | ESNQ 1-1                       | 26 JAN 2023    | ESMK 1-8                     | 23 MAR 2023    |
| ESUT 1-7              | 21 MAR 2024    | ESMQ 4-7              | 07 NOV 2019    | ESNQ 1-2                       | 18 MAY 2023    | ESMK 1-9                     | 23 MAR 2023    |
| ESUT 1-8              | 21 MAR 2024    | ESMQ 4-8              | 07 NOV 2019    | ESNQ 1-3                       | 18 MAY 2023    | ESMK 2-1                     | 30 NOV 2023    |
| ESUT 2-1              | 21 MAR 2024    | ESMQ 4-9              | 07 NOV 2019    | ESNQ 1-4                       | 16 JUN 2022    | ESMK 3-1                     | 21 MAY 2020    |
| ESUT 3-1              | 23 MAR 2023    | ESMQ 4-10             | 07 NOV 2019    | ESNQ 1-5                       | 23 MAR 2023    | ESMK 4-1                     | 16 MAY 2024    |
| ESUT 4-3              | 01 DEC 2022    | ESMQ 4-11             | 07 NOV 2019    | ESNQ 1-6                       | 23 MAR 2023    | ESMK 4-3                     | 08 NOV 2018    |
| ESUT 5-1              | 01 DEC 2022    | ESMQ 4-12             | 07 NOV 2019    | ESNQ 1-7                       | 16 JUN 2022    | ESMK 4-91                    | 16 MAY 2024    |
| ESUT 5-2              | 01 DEC 2022    | ESMQ 4-91             | 25 JAN 2024    | ESNQ 1-8                       | 26 JAN 2023    | ESMK 5-1                     | 05 DEC 2019    |
| ESUT 5-3              | 01 DEC 2022    | ESMQ 5-1              | 21 MAR 2024    | ESNQ 1-9                       | 11 AUG 2022    | ESMK 5-2                     | 05 DEC 2019    |
| ESUT 5-4              | 01 DEC 2022    | ESMQ 5-2              | 21 MAR 2024    | ESNQ 1-10                      | 25 JAN 2024    | ESMK 5-3                     | 05 DEC 2019    |
| ESUT 5-5              | 01 DEC 2022    | ESMQ 5-3              | 21 MAR 2024    | ESNQ 2-1                       | 21 MAR 2024    | ESMK 5-5                     | 08 NOV 2018    |
| ESUT 5-6              | 01 DEC 2022    | ESMQ 5-4              | 25 JAN 2024    | ESNQ 2-3                       | 26 JAN 2023    | ESMK 5-6                     | 08 NOV 2018    |
| ESUT 5-7              | 01 DEC 2022    | ESMQ 5-5              | 25 JAN 2024    | ESNQ 3-1                       | 16 JUN 2022    | ESMK 5-7                     | 08 NOV 2018    |
| ESUT 6-1              | 01 DEC 2022    | ESMQ 5-7              | 25 JAN 2024    | ESNQ 4-1                       | 25 JAN 2024    | ESMK 5-9                     | 08 NOV 2018    |
|                       |                | ESMQ 5-8              | 25 JAN 2024    | ESNQ 4-3                       | 25 JAN 2024    | ESMK 5-10                    | 08 NOV 2018    |
|                       |                | ESMQ 6-1              | 21 MAR 2024    | ESNQ 4-5                       | 26 MAR 2020    | ESMK 5-11                    | 08 NOV 2018    |
|                       |                |                       |                | ESNQ 4-6                       | 30 JAN 2020    | ESMK 6-1                     | 21 MAR 2024    |
| <b>Jönköping ESGJ</b> |                |                       |                | ESNQ 4-7                       | 26 MAR 2020    |                              |                |
| ESGJ 1-1              | 19 MAY 2022    |                       |                | ESNQ 4-8                       | 25 APR 2019    | <b>Linköping/Malmen ESCF</b> |                |
| ESGJ 1-2              | 13 AUG 2020    | <b>Karlsborg ESIA</b> |                | ESNQ 4-9                       | 30 JAN 2020    | ESCF 1-1                     | 10 AUG 2023    |
| ESGJ 1-3              | 04 NOV 2021    | ESIA 1-1              | 25 JAN 2024    | ESNQ 4-10                      | 25 APR 2019    | ESCF 1-2                     | 24 MAY 2018    |
| ESGJ 1-4              | 16 MAY 2024    | ESIA 1-2              | 02 NOV 2023    | ESNQ 4-11                      | 30 JAN 2020    | ESCF 1-3                     | 18 MAY 2023    |
| ESGJ 1-5              | 16 MAY 2024    | ESIA 1-3              | 25 JAN 2024    | ESNQ 4-12                      | 25 APR 2019    | ESCF 1-4                     | 18 MAY 2023    |
| ESGJ 1-6              | 04 NOV 2021    | ESIA 1-4              | 02 NOV 2023    | ESNQ 4-91                      | 27 JAN 2022    | ESCF 1-5                     | 18 MAY 2023    |
| ESGJ 1-7              | 17 JUN 2021    | ESIA 1-5              | 02 NOV 2023    | ESNQ 5-1                       | 30 JAN 2020    | ESCF 1-6                     | 10 AUG 2023    |
| ESGJ 1-8              | 19 MAY 2022    | ESIA 1-6              | 02 NOV 2023    | ESNQ 5-2                       | 15 AUG 2019    | ESCF 1-7                     | 21 MAR 2024    |
| ESGJ 1-9              | 19 MAY 2022    | ESIA 4-1              | 25 JAN 2024    | ESNQ 5-3                       | 30 JAN 2020    | ESCF 1-8                     | 18 MAY 2023    |
| ESGJ 1-10             | 19 MAY 2022    | ESIA 4-91             | 25 JAN 2024    | ESNQ 5-4                       | 30 JAN 2020    | ESCF 1-9                     | 10 AUG 2023    |
| ESGJ 1-11             | 19 MAY 2022    | ESIA 6-1              | 21 MAR 2024    | ESNQ 5-5                       | 15 AUG 2019    | ESCF 1-10                    | 10 AUG 2023    |
| ESGJ 2-1              | 18 MAY 2023    |                       |                | ESNQ 5-7                       | 30 JAN 2020    | ESCF 1-11                    | 10 AUG 2023    |
| ESGJ 3-1              | 16 MAY 2024    | <b>Karlstad ESOK</b>  |                | ESNQ 5-8                       | 30 JAN 2020    | ESCF 2-1                     | 10 AUG 2023    |
| ESGJ 4-1              | 16 JUN 2022    | ESOK 1-1              | 30 NOV 2023    | ESNQ 5-9                       | 25 JAN 2024    | ESCF 3-1                     | 10 AUG 2023    |
| ESGJ 4-3              | 09 NOV 2017    | ESOK 1-2              | 25 JAN 2024    | ESNQ 5-10                      | 25 JAN 2024    | ESCF 3-3                     | 10 AUG 2023    |
| ESGJ 4-5              | 17 JUN 2021    | ESOK 1-3              | 25 JAN 2024    | ESNQ 5-11                      | 25 JAN 2024    | ESCF 4-3                     | 01 DEC 2022    |
| ESGJ 4-6              | 13 AUG 2020    | ESOK 1-4              | 26 JAN 2023    | ESNQ 5-13                      | 25 JAN 2024    | ESCF 5-1                     | 10 AUG 2023    |
| ESGJ 4-7              | 17 JUN 2021    | ESOK 1-5              | 30 NOV 2023    | ESNQ 5-14                      | 25 JAN 2024    | ESCF 5-2                     | 10 AUG 2023    |
| ESGJ 4-8              | 13 AUG 2020    | ESOK 1-6              | 04 NOV 2021    | ESNQ 5-15                      | 25 JAN 2024    | ESCF 5-3                     | 10 AUG 2023    |
| ESGJ 4-9              | 17 JUN 2021    | ESOK 1-7              | 05 NOV 2020    | ESNQ 6-1                       | 16 MAY 2024    | ESCF 5-4                     | 10 AUG 2023    |
| ESGJ 4-10             | 13 AUG 2020    | ESOK 1-8              | 02 NOV 2023    |                                |                | ESCF 5-5                     | 10 AUG 2023    |
| ESGJ 4-11             | 17 JUN 2021    | ESOK 1-9              | 02 NOV 2023    | <b>Kramfors-Sollefteå ESNK</b> |                | ESCF 5-7                     | 10 AUG 2023    |
| ESGJ 4-12             | 13 AUG 2020    | ESOK 1-10             | 23 MAR 2023    | ESNK 1-1                       | 13 AUG 2020    | ESCF 5-8                     | 10 AUG 2023    |
| ESGJ 4-13             | 17 JUN 2021    | ESOK 1-11             | 23 MAR 2023    | ESNK 1-2                       | 13 AUG 2020    | ESCF 5-9                     | 10 AUG 2023    |
| ESGJ 4-14             | 13 AUG 2020    | ESOK 1-12             | 18 MAY 2023    | ESNK 1-3                       | 18 MAY 2023    | ESCF 5-10                    | 10 AUG 2023    |
| ESGJ 4-15             | 17 JUN 2021    | ESOK 2-1              | 25 JAN 2024    | ESNK 1-4                       | 28 JAN 2021    | ESCF 6-1                     | 21 MAR 2024    |
| ESGJ 4-16             | 13 AUG 2020    | ESOK 3-1              | 26 JAN 2023    | ESNK 1-5                       | 28 JAN 2021    |                              |                |
| ESGJ 4-91             | 16 JUN 2022    | ESOK 4-1              | 21 MAR 2024    | ESNK 1-6                       | 28 JAN 2021    | <b>Linköping/Saab ESSL</b>   |                |
| ESGJ 5-1              | 17 JUN 2021    | ESOK 4-3              | 18 MAY 2023    | ESNK 1-7                       | 28 JAN 2021    | ESSL 1-1                     | 11 AUG 2022    |
| ESGJ 5-2              | 17 JUN 2021    | ESOK 4-5              | 18 MAY 2023    | ESNK 1-8                       | 28 JAN 2021    | ESSL 1-2                     | 25 JAN 2024    |
| ESGJ 5-3              | 17 JUN 2021    | ESOK 4-6              | 18 MAY 2023    | ESNK 2-1                       | 20 JUN 2019    | ESSL 1-3                     | 11 AUG 2022    |
| ESGJ 5-4              | 17 JUN 2021    | ESOK 4-7              | 18 MAY 2023    | ESNK 3-1                       | 15 JUN 2023    | ESSL 1-4                     | 11 AUG 2022    |
| ESGJ 5-5              | 17 JUN 2021    | ESOK 4-8              | 18 MAY 2023    | ESNK 4-3                       | 21 MAR 2024    | ESSL 1-5                     | 11 AUG 2022    |
| ESGJ 5-6              | 17 JUN 2021    | ESOK 4-9              | 05 NOV 2020    | ESNK 5-1                       | 21 MAY 2020    | ESSL 1-6                     | 17 JUN 2021    |
| ESGJ 5-7              | 09 NOV 2017    | ESOK 4-10             | 05 NOV 2020    | ESNK 5-2                       | 21 MAY 2020    | ESSL 1-7                     | 11 AUG 2022    |
| ESGJ 5-9              | 17 JUN 2021    | ESOK 4-11             | 05 NOV 2020    | ESNK 5-3                       | 21 MAY 2020    | ESSL 1-8                     | 15 JUN 2023    |
| ESGJ 5-10             | 17 JUN 2021    | ESOK 4-12             | 05 NOV 2020    | ESNK 5-4                       | 21 MAY 2020    | ESSL 1-9                     | 11 AUG 2022    |
| ESGJ 5-11             | 09 NOV 2017    | ESOK 4-13             | 18 MAY 2023    | ESNK 5-5                       | 16 MAY 2024    | ESSL 1-10                    | 11 AUG 2022    |
| ESGJ 6-1              | 17 JUN 2021    | ESOK 4-14             | 18 MAY 2023    | ESNK 5-6                       | 21 MAR 2024    | ESSL 2-1                     | 01 DEC 2022    |
|                       |                | ESOK 4-15             | 18 MAY 2023    | ESNK 5-7                       | 21 MAR 2024    | ESSL 3-1                     | 11 AUG 2022    |
|                       |                | ESOK 4-16             | 18 MAY 2023    | ESNK 5-9                       | 16 MAY 2024    | ESSL 4-3                     | 11 AUG 2022    |
| <b>Kalmar ESMQ</b>    |                | ESOK 4-91             | 25 JAN 2024    | ESNK 5-10                      | 21 MAR 2024    | ESSL 5-1                     | 11 AUG 2022    |
| ESMQ 1-1              | 02 NOV 2023    | ESOK 5-1              | 18 JUN 2020    | ESNK 5-11                      | 21 MAR 2024    | ESSL 5-3                     | 11 AUG 2022    |
| ESMQ 1-2              | 16 MAY 2024    | ESOK 5-2              | 18 JUN 2020    | ESNK 6-1                       | 16 MAY 2024    | ESSL 5-5                     | 11 AUG 2022    |
| ESMQ 1-3              | 28 MAR 2019    | ESOK 5-3              | 18 JUN 2020    |                                |                | ESSL 5-6                     | 11 AUG 2022    |
| ESMQ 1-4              | 28 MAR 2019    | ESOK 5-4              | 13 AUG 2020    | <b>Kristianstad ESMK</b>       |                | ESSL 5-7                     | 11 AUG 2022    |
| ESMQ 1-5              | 19 MAY 2022    | ESOK 5-4              | 13 AUG 2020    | ESMK 1-1                       | 27 JAN 2022    | ESSL 5-8                     | 11 AUG 2022    |
| ESMQ 1-6              | 16 MAY 2024    | ESOK 5-5              | 05 NOV 2020    | ESMK 1-2                       | 23 MAR 2023    | ESSL 6-1                     | 21 MAR 2024    |
| ESMQ 1-7              | 16 MAY 2024    | ESOK 5-6              | 05 NOV 2020    |                                |                |                              |                |
| ESMQ 1-8              | 16 MAY 2024    | ESOK 5-7              | 05 NOV 2020    |                                |                |                              |                |
| ESMQ 1-9              | 16 MAY 2024    | ESOK 5-9              | 05 NOV 2020    |                                |                |                              |                |



| Sida/<br>Page            | Datum/<br>Date | Sida/<br>Page        | Datum/<br>Date | Sida/<br>Page                     | Datum/<br>Date | Sida/<br>Page          | Datum/<br>Date |
|--------------------------|----------------|----------------------|----------------|-----------------------------------|----------------|------------------------|----------------|
| <b>Ljungbyhed ESTL</b>   |                | ESPA 5-6             | 19 MAY 2022    | ESMS 4-18                         | 08 NOV 2018    | <b>Pajala ESUP</b>     |                |
| ESTL 1-1                 | 19 MAY 2022    | ESPA 5-7             | 19 MAY 2022    | ESMS 4-19                         | 17 JUN 2021    | ESUP 1-1               | 23 MAR 2023    |
| ESTL 1-2                 | 02 NOV 2023    | ESPA 5-9             | 19 MAY 2022    | ESMS 4-91                         | 16 MAY 2024    | ESUP 1-2               | 23 MAR 2023    |
| ESTL 1-3                 | 03 NOV 2022    | ESPA 5-10            | 27 JAN 2022    | ESMS 5-1                          | 16 MAY 2024    | ESUP 1-3               | 23 MAR 2023    |
| ESTL 1-4                 | 30 MAR 2017    | ESPA 5-11            | 19 MAY 2022    | ESMS 5-2                          | 16 MAY 2024    | ESUP 1-4               | 23 MAR 2023    |
| ESTL 1-5                 | 27 JAN 2022    | ESPA 5-12            | 27 JAN 2022    | ESMS 5-3                          | 16 MAY 2024    | ESUP 1-5               | 23 MAR 2023    |
| ESTL 1-6                 | 02 NOV 2023    | ESPA 6-1             | 21 MAR 2024    | ESMS 5-5                          | 16 MAY 2024    | ESUP 1-6               | 21 MAR 2024    |
| ESTL 1-7                 | 02 NOV 2023    |                      |                | ESMS 5-7                          | 16 MAY 2024    | ESUP 1-7               | 21 MAR 2024    |
| ESTL 1-8                 | 02 NOV 2023    | <b>Lycksele ESNL</b> |                | ESMS 5-8                          | 08 NOV 2018    | ESUP 2-1               | 30 NOV 2023    |
| ESTL 1-9                 | 23 MAR 2023    | ESNL 1-1             | 02 DEC 2021    | ESMS 5-9                          | 16 MAY 2024    | ESUP 3-1               | 16 AUG 2018    |
| ESTL 2-1                 | 16 MAY 2024    | ESNL 1-2             | 21 MAR 2024    | ESMS 5-10                         | 08 NOV 2018    | ESUP 4-3               | 05 NOV 2020    |
| ESTL 3-1                 | 08 NOV 2018    | ESNL 1-3             | 04 NOV 2021    | ESMS 5-11                         | 16 MAY 2024    | ESUP 5-1               | 21 MAR 2024    |
| ESTL 4-1                 | 16 MAY 2024    | ESNL 1-4             | 04 NOV 2021    | ESMS 5-12                         | 08 NOV 2018    | ESUP 5-2               | 16 AUG 2018    |
| ESTL 4-3                 | 27 JAN 2022    | ESNL 1-5             | 19 MAY 2022    | ESMS 5-13                         | 16 MAY 2024    | ESUP 5-3               | 16 AUG 2018    |
| ESTL 4-5                 | 18 MAY 2023    | ESNL 1-6             | 18 MAY 2023    | ESMS 5-14                         | 08 NOV 2018    | ESUP 5-5               | 05 NOV 2020    |
| ESTL 4-6                 | 24 MAR 2022    | ESNL 1-7             | 19 MAY 2022    | ESMS 6-1                          | 16 MAY 2024    | ESUP 5-6               | 05 NOV 2020    |
| ESTL 4-7                 | 02 NOV 2023    | ESNL 1-8             | 15 JUN 2023    |                                   |                | ESUP 5-7               | 05 NOV 2020    |
| ESTL 4-8                 | 24 MAR 2022    | ESNL 1-9             | 15 JUN 2023    | <b>Mora/Siljan ESKM</b>           |                | ESUP 5-9               | 05 NOV 2020    |
| ESTL 4-9                 | 18 MAY 2023    | ESNL 2-1             | 19 MAY 2022    | ESKM 1-1                          | 25 JAN 2024    | ESUP 5-10              | 05 NOV 2020    |
| ESTL 4-10                | 24 MAR 2022    | ESNL 3-1             | 28 JAN 2021    | ESKM 1-2                          | 02 NOV 2023    | ESUP 5-11              | 05 NOV 2020    |
| ESTL 4-11                | 18 MAY 2023    | ESNL 3-3             | 26 JAN 2023    | ESKM 1-3                          | 18 MAY 2023    | ESUP 6-1               | 21 MAR 2024    |
| ESTL 4-12                | 24 MAR 2022    | ESNL 4-3             | 08 NOV 2018    | ESKM 1-4                          | 25 JAN 2024    |                        |                |
| ESTL 4-91                | 16 MAY 2024    | ESNL 5-1             | 19 MAY 2022    | ESKM 1-5                          | 18 MAY 2023    | <b>Ronneby ESDF</b>    |                |
| ESTL 5-1                 | 27 JAN 2022    | ESNL 5-2             | 19 MAY 2022    | ESKM 1-6                          | 25 JAN 2024    | ESDF 1-1               | 16 MAY 2024    |
| ESTL 5-2                 | 24 MAR 2022    | ESNL 5-3             | 19 MAY 2022    | ESKM 1-7                          | 25 JAN 2024    | ESDF 1-2               | 10 AUG 2023    |
| ESTL 5-3                 | 24 MAR 2022    | ESNL 5-4             | 02 NOV 2023    | ESKM 2-1                          | 25 JAN 2024    | ESDF 1-3               | 10 AUG 2023    |
| ESTL 5-5                 | 24 MAR 2022    | ESNL 5-5             | 19 MAY 2022    | ESKM 3-1                          | 25 JAN 2024    | ESDF 1-4               | 17 JUN 2021    |
| ESTL 5-6                 | 24 MAR 2022    | ESNL 5-6             | 19 MAY 2022    | ESKM 4-3                          | 30 JAN 2020    | ESDF 1-5               | 17 JUN 2021    |
| ESTL 5-7                 | 27 JAN 2022    | ESNL 5-7             | 10 AUG 2023    | ESKM 5-1                          | 16 MAY 2024    | ESDF 1-6               | 26 MAR 2020    |
| ESTL 5-9                 | 24 MAR 2022    | ESNL 5-8             | 19 MAY 2022    | ESKM 5-3                          | 25 JAN 2024    | ESDF 1-7               | 10 AUG 2023    |
| ESTL 5-10                | 24 MAR 2022    | ESNL 5-9             | 13 AUG 2020    | ESKM 5-4                          | 25 JAN 2024    | ESDF 1-8               | 24 MAR 2022    |
| ESTL 5-11                | 27 JAN 2022    | ESNL 5-11            | 02 NOV 2023    | ESKM 5-5                          | 16 MAY 2024    | ESDF 1-9               | 24 MAR 2022    |
| ESTL 6-1                 | 21 MAR 2024    | ESNL 5-12            | 19 MAY 2022    | ESKM 5-6                          | 25 JAN 2024    | ESDF 2-1               | 26 JAN 2023    |
|                          |                | ESNL 5-13            | 13 AUG 2020    | ESKM 5-7                          | 16 MAY 2024    | ESDF 3-1               | 26 MAR 2020    |
|                          |                | ESNL 6-1             | 16 MAY 2024    | ESKM 5-8                          | 21 MAR 2024    | ESDF 4-1               | 16 MAY 2024    |
| <b>Luleå/Kallax ESPA</b> |                |                      |                | ESKM 5-9                          | 25 JAN 2024    | ESDF 4-3               | 24 MAR 2022    |
| ESPA 1-1                 | 21 MAR 2024    |                      |                | ESKM 5-11                         | 16 MAY 2024    | ESDF 4-91              | 16 MAY 2024    |
| ESPA 1-2                 | 21 MAR 2024    | <b>Malmö ESMS</b>    |                | ESKM 5-12                         | 16 MAY 2024    | ESDF 5-1               | 24 MAR 2022    |
| ESPA 1-3                 | 13 AUG 2020    | ESMS 1-1             | 26 JAN 2023    | ESKM 5-13                         | 25 JAN 2024    | ESDF 5-2               | 18 MAY 2023    |
| ESPA 1-4                 | 27 JAN 2022    | ESMS 1-2             | 26 JAN 2023    | ESKM 6-1                          | 16 MAY 2024    | ESDF 5-3               | 18 MAY 2023    |
| ESPA 1-5                 | 27 JAN 2022    | ESMS 1-3             | 10 AUG 2023    |                                   |                | ESDF 5-4               | 18 MAY 2023    |
| ESPA 1-6                 | 27 JAN 2022    | ESMS 1-4             | 18 MAY 2023    | <b>Norrköping/Kungsängen ESSP</b> |                | ESDF 5-5               | 18 MAY 2023    |
| ESPA 1-7                 | 27 JAN 2022    | ESMS 1-5             | 30 NOV 2023    | ESSP 1-1                          | 16 MAY 2024    | ESDF 5-6               | 24 MAR 2022    |
| ESPA 1-8                 | 27 JAN 2022    | ESMS 1-6             | 21 MAR 2024    | ESSP 1-2                          | 21 MAR 2024    | ESDF 5-7               | 24 MAR 2022    |
| ESPA 1-9                 | 27 JAN 2022    | ESMS 1-7             | 11 AUG 2022    | ESSP 1-3                          | 05 NOV 2020    | ESDF 5-8               | 24 MAR 2022    |
| ESPA 1-10                | 27 JAN 2022    | ESMS 1-8             | 26 JAN 2023    | ESSP 1-4                          | 17 JUN 2021    | ESDF 6-1               | 16 MAY 2024    |
| ESPA 1-11                | 27 JAN 2022    | ESMS 1-9             | 23 MAR 2023    | ESSP 1-5                          | 17 JUN 2021    |                        |                |
| ESPA 2-1                 | 27 JAN 2022    | ESMS 1-10            | 26 JAN 2023    | ESSP 1-6                          | 31 JAN 2019    | <b>Skellefteå ESNS</b> |                |
| ESPA 2-2                 | 27 JAN 2022    | ESMS 1-11            | 10 AUG 2023    | ESSP 1-7                          | 17 JUN 2021    | ESNS 1-1               | 30 NOV 2023    |
| ESPA 2-3                 | 21 MAR 2024    | ESMS 1-12            | 10 AUG 2023    | ESSP 1-8                          | 03 NOV 2022    | ESNS 1-2               | 05 DEC 2019    |
| ESPA 3-1                 | 27 JAN 2022    | ESMS 1-13            | 30 NOV 2023    | ESSP 1-9                          | 23 MAR 2023    | ESNS 1-3               | 05 DEC 2019    |
| ESPA 3-7                 | 07 DEC 2017    | ESMS 1-14            | 10 AUG 2023    | ESSP 1-10                         | 23 MAR 2023    | ESNS 1-4               | 05 DEC 2019    |
| ESPA 4-1                 | 21 MAR 2024    | ESMS 2-1             | 21 MAR 2024    | ESSP 1-11                         | 23 MAR 2023    | ESNS 1-5               | 02 NOV 2023    |
| ESPA 4-3                 | 27 JAN 2022    | ESMS 2-3             | 21 MAR 2024    | ESSP 2-1                          | 21 MAR 2024    | ESNS 1-6               | 28 JAN 2021    |
| ESPA 4-5                 | 19 MAY 2022    | ESMS 3-1             | 18 MAY 2023    | ESSP 3-1                          | 17 JUN 2021    | ESNS 1-7               | 02 NOV 2023    |
| ESPA 4-6                 | 27 JAN 2022    | ESMS 3-3             | 22 JUN 2017    | ESSP 3-3                          | 17 JUN 2021    | ESNS 1-8               | 02 NOV 2023    |
| ESPA 4-7                 | 19 MAY 2022    | ESMS 3-5             | 22 JUN 2017    | ESSP 4-1                          | 21 MAR 2024    | ESNS 1-9               | 02 NOV 2023    |
| ESPA 4-8                 | 27 JAN 2022    | ESMS 4-1             | 16 MAY 2024    | ESSP 4-3                          | 23 MAR 2023    | ESNS 2-1               | 02 NOV 2023    |
| ESPA 4-9                 | 19 MAY 2022    | ESMS 4-2             | 16 MAY 2024    | ESSP 4-91                         | 21 MAR 2024    | ESNS 3-1               | 02 NOV 2023    |
| ESPA 4-10                | 27 JAN 2022    | ESMS 4-3             | 18 JUN 2020    | ESSP 5-1                          | 23 MAR 2023    | ESNS 4-1               | 21 MAR 2024    |
| ESPA 4-11                | 19 MAY 2022    | ESMS 4-5             | 16 MAY 2024    | ESSP 5-2                          | 23 MAR 2023    | ESNS 4-3               | 12 SEP 2019    |
| ESPA 4-12                | 27 JAN 2022    | ESMS 4-6             | 08 NOV 2018    | ESSP 5-3                          | 23 MAR 2023    | ESNS 4-91              | 21 MAR 2024    |
| ESPA 4-13                | 19 MAY 2022    | ESMS 4-7             | 08 NOV 2018    | ESSP 5-4                          | 23 MAR 2023    | ESNS 5-1               | 02 NOV 2023    |
| ESPA 4-14                | 27 JAN 2022    | ESMS 4-8             | 08 NOV 2018    | ESSP 5-5                          | 23 MAR 2023    | ESNS 5-3               | 02 NOV 2023    |
| ESPA 4-15                | 19 MAY 2022    | ESMS 4-9             | 16 MAY 2024    | ESSP 5-6                          | 23 MAR 2023    | ESNS 5-5               | 02 NOV 2023    |
| ESPA 4-16                | 24 MAR 2022    | ESMS 4-10            | 08 NOV 2018    | ESSP 5-7                          | 23 MAR 2023    | ESNS 5-7               | 02 NOV 2023    |
| ESPA 4-91                | 21 MAR 2024    | ESMS 4-11            | 08 NOV 2018    | ESSP 5-9                          | 23 MAR 2023    | ESNS 5-8               | 02 NOV 2023    |
| ESPA 5-1                 | 19 MAY 2022    | ESMS 4-12            | 08 NOV 2018    | ESSP 5-10                         | 23 MAR 2023    | ESNS 5-9               | 21 MAY 2020    |
| ESPA 5-2                 | 19 MAY 2022    | ESMS 4-13            | 16 MAY 2024    | ESSP 5-11                         | 23 MAR 2023    | ESNS 5-11              | 02 NOV 2023    |
| ESPA 5-3                 | 19 MAY 2022    | ESMS 4-14            | 18 JUN 2020    | ESSP 6-1                          | 21 MAR 2024    | ESNS 5-12              | 02 NOV 2023    |
| ESPA 5-4                 | 19 MAY 2022    | ESMS 4-15            | 17 JUN 2021    |                                   |                | ESNS 5-13              | 21 MAY 2020    |
| ESPA 5-5                 | 19 MAY 2022    | ESMS 4-17            | 16 MAY 2024    |                                   |                |                        |                |

| Sida/<br>Page                 | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date | Sida/<br>Page                 | Datum/<br>Date | Sida/<br>Page                  | Datum/<br>Date |
|-------------------------------|----------------|---------------|----------------|-------------------------------|----------------|--------------------------------|----------------|
| ESNS 6-1                      | 21 MAR 2024    | ESSA 4-34     | 17 JUN 2021    | <b>Stockholm/Bromma ESSB</b>  |                | ESKN 4-9                       | 17 JUN 2021    |
| <b>Stockholm/Arlanda ESSA</b> |                | ESSA 4-35     | 17 JUN 2021    | ESSB 1-1                      | 26 JAN 2023    | ESKN 4-10                      | 05 NOV 2020    |
| ESSA 1-1                      | 26 JAN 2023    | ESSA 4-36     | 17 JUN 2021    | ESSB 1-2                      | 18 MAY 2023    | ESKN 4-11                      | 05 NOV 2020    |
| ESSA 1-2                      | 30 NOV 2023    | ESSA 4-37     | 21 MAR 2024    | ESSB 1-3                      | 18 MAY 2023    | ESKN 4-13                      | 21 JUN 2018    |
| ESSA 1-3                      | 10 AUG 2023    | ESSA 4-38     | 21 MAR 2024    | ESSB 1-4                      | 25 MAR 2021    | ESKN 4-15                      | 17 JUN 2021    |
| ESSA 1-4                      | 17 JUN 2021    | ESSA 4-39     | 17 JUN 2021    | ESSB 1-5                      | 26 JAN 2023    | ESKN 4-16                      | 21 JUN 2018    |
| ESSA 1-5                      | 16 JUN 2022    | ESSA 4-40     | 21 MAR 2024    | ESSB 1-6                      | 18 MAY 2023    | ESKN 4-17                      | 17 JUN 2021    |
| ESSA 1-6                      | 16 JUN 2022    | ESSA 4-41     | 19 MAY 2022    | ESSB 1-7                      | 04 NOV 2021    | ESKN 4-18                      | 16 AUG 2018    |
| ESSA 1-7                      | 16 JUN 2022    | ESSA 4-42     | 19 MAY 2022    | ESSB 1-8                      | 26 JAN 2023    | ESKN 4-19                      | 16 AUG 2018    |
| ESSA 1-8                      | 16 JUN 2022    | ESSA 4-43     | 21 MAR 2024    | ESSB 1-9                      | 25 JAN 2024    | ESKN 4-21                      | 17 JUN 2021    |
| ESSA 1-9                      | 16 JUN 2022    | ESSA 4-44     | 19 MAY 2022    | ESSB 1-10                     | 25 JAN 2024    | ESKN 4-22                      | 21 JUN 2018    |
| ESSA 1-10                     | 30 NOV 2023    | ESSA 4-45     | 19 MAY 2022    | ESSB 1-11                     | 25 JAN 2024    | ESKN 5-1                       | 21 JUN 2018    |
| ESSA 1-11                     | 26 JAN 2023    | ESSA 4-46     | 19 MAY 2022    | ESSB 1-12                     | 25 JAN 2024    | ESKN 5-2                       | 21 JUN 2018    |
| ESSA 1-12                     | 26 JAN 2023    | ESSA 4-47     | 19 MAY 2022    | ESSB 1-13                     | 25 JAN 2024    | ESKN 5-3                       | 21 JUN 2018    |
| ESSA 1-13                     | 16 JUN 2022    | ESSA 4-49     | 21 MAR 2024    | ESSB 1-14                     | 25 JAN 2024    | ESKN 5-4                       | 21 JUN 2018    |
| ESSA 1-14                     | 16 JUN 2022    | ESSA 4-50     | 19 MAY 2022    | ESSB 1-15                     | 25 JAN 2024    | ESKN 6-1                       | 16 MAY 2024    |
| ESSA 1-15                     | 16 JUN 2022    | ESSA 4-51     | 19 MAY 2022    | ESSB 1-16                     | 25 JAN 2024    | <b>Stockholm/Västerås ESOW</b> |                |
| ESSA 1-16                     | 16 JUN 2022    | ESSA 4-53     | 21 MAR 2024    | ESSB 1-17                     | 25 JAN 2024    | ESOW 1-1                       | 02 NOV 2023    |
| ESSA 1-17                     | 30 NOV 2023    | ESSA 4-54     | 19 MAY 2022    | ESSB 1-18                     | 25 JAN 2024    | ESOW 1-2                       | 21 MAR 2024    |
| ESSA 1-18                     | 16 JUN 2022    | ESSA 4-55     | 21 MAR 2024    | ESSB 1-19                     | 25 JAN 2024    | ESOW 1-3                       | 02 NOV 2023    |
| ESSA 1-19                     | 01 DEC 2022    | ESSA 4-56     | 19 MAY 2022    | ESSB 1-20                     | 25 JAN 2024    | ESOW 1-4                       | 02 NOV 2023    |
| ESSA 1-20                     | 25 JAN 2024    | ESSA 4-57     | 21 MAR 2024    | ESSB 2-1                      | 25 JAN 2024    | ESOW 1-5                       | 02 NOV 2023    |
| ESSA 1-21                     | 02 NOV 2023    | ESSA 4-58     | 19 MAY 2022    | ESSB 2-3                      | 25 JAN 2024    | ESOW 1-6                       | 02 NOV 2023    |
| ESSA 1-22                     | 02 NOV 2023    | ESSA 4-59     | 19 MAY 2022    | ESSB 3-1                      | 25 MAR 2021    | ESOW 1-7                       | 21 MAR 2024    |
| ESSA 1-23                     | 02 NOV 2023    | ESSA 4-61     | 21 MAR 2024    | ESSB 3-3                      | 21 MAY 2020    | ESOW 1-8                       | 21 MAR 2024    |
| ESSA 1-24                     | 16 MAY 2024    | ESSA 4-62     | 19 MAY 2022    | ESSB 4-3                      | 21 MAR 2024    | ESOW 1-9                       | 02 NOV 2023    |
| ESSA 1-25                     | 26 JAN 2023    | ESSA 4-63     | 19 MAY 2022    | ESSB 4-5                      | 21 MAR 2024    | ESOW 1-10                      | 02 NOV 2023    |
| ESSA 1-26                     | 26 JAN 2023    | ESSA 4-64     | 19 MAY 2022    | ESSB 4-6                      | 04 NOV 2021    | ESOW 2-1                       | 30 NOV 2023    |
| ESSA 1-27                     | 18 MAY 2023    | ESSA 4-65     | 19 MAY 2022    | ESSB 4-7                      | 17 JUN 2021    | ESOW 3-1                       | 02 NOV 2023    |
| ESSA 1-28                     | 18 MAY 2023    | ESSA 4-67     | 21 MAR 2024    | ESSB 4-9                      | 21 MAR 2024    | ESOW 4-3                       | 30 JAN 2020    |
| ESSA 1-29                     | 25 JAN 2024    | ESSA 4-68     | 19 MAY 2022    | ESSB 4-10                     | 04 NOV 2021    | ESOW 4-91                      | 21 MAR 2024    |
| ESSA 2-1                      | 02 NOV 2023    | ESSA 4-91     | 21 MAR 2024    | ESSB 4-11                     | 17 JUN 2021    | ESOW 5-1                       | 30 JAN 2020    |
| ESSA 2-2                      | 18 MAY 2023    | ESSA 5-1      | 17 JUN 2021    | ESSB 4-13                     | 21 MAR 2024    | ESOW 5-2                       | 30 JAN 2020    |
| ESSA 2-3                      | 25 JAN 2024    | ESSA 5-2      | 17 JUN 2021    | ESSB 4-14                     | 17 JUN 2021    | ESOW 5-3                       | 27 JAN 2022    |
| ESSA 2-4                      | 18 MAY 2023    | ESSA 5-3      | 17 JUN 2021    | ESSB 4-15                     | 17 JUN 2021    | ESOW 5-7                       | 30 JAN 2020    |
| ESSA 2-5                      | 18 MAY 2023    | ESSA 5-4      | 17 JUN 2021    | ESSB 4-17                     | 21 MAR 2024    | ESOW 5-8                       | 30 JAN 2020    |
| ESSA 2-6                      | 18 MAY 2023    | ESSA 5-5      | 02 DEC 2021    | ESSB 4-18                     | 17 JUN 2021    | ESOW 5-9                       | 30 JAN 2020    |
| ESSA 2-7                      | 18 MAY 2023    | ESSA 5-5      | 02 DEC 2021    | ESSB 4-19                     | 17 JUN 2021    | ESOW 5-11                      | 30 JAN 2020    |
| ESSA 2-8                      | 18 MAY 2023    | ESSA 5-6      | 17 JUN 2021    | ESSB 5-1                      | 17 JUN 2021    | ESOW 5-12                      | 30 JAN 2020    |
| ESSA 3-1                      | 18 MAY 2023    | ESSA 5-7      | 17 JUN 2021    | ESSB 5-2                      | 21 MAR 2024    | ESOW 5-13                      | 30 JAN 2020    |
| ESSA 3-2                      | 02 NOV 2023    | ESSA 5-9      | 02 NOV 2023    | ESSB 5-3                      | 21 MAR 2024    | ESOW 6-1                       | 21 MAR 2024    |
| ESSA 3-3                      | 16 JUN 2022    | ESSA 5-10     | 02 NOV 2023    | ESSB 5-4                      | 30 NOV 2023    | <b>Sundsvall-Timrå ESNN</b>    |                |
| ESSA 3-5                      | 16 JUN 2022    | ESSA 5-11     | 02 NOV 2023    | ESSB 5-5                      | 30 NOV 2023    | ESNN 1-1                       | 13 AUG 2020    |
| ESSA 3-7                      | 21 MAY 2020    | ESSA 5-13     | 02 NOV 2023    | ESSB 5-7                      | 21 MAR 2024    | ESNN 1-2                       | 03 NOV 2022    |
| ESSA 3-9                      | 21 MAY 2020    | ESSA 5-14     | 02 NOV 2023    | ESSB 5-8                      | 30 NOV 2023    | ESNN 1-3                       | 08 NOV 2018    |
| ESSA 3-11                     | 21 MAY 2020    | ESSA 5-15     | 02 NOV 2023    | ESSB 5-9                      | 30 NOV 2023    | ESNN 1-4                       | 21 MAR 2024    |
| ESSA 4-1                      | 21 MAR 2024    | ESSA 5-16     | 02 NOV 2023    | ESSB 6-1                      | 21 MAR 2024    | ESNN 1-5                       | 21 MAR 2024    |
| ESSA 4-2                      | 25 JAN 2024    | ESSA 5-17     | 02 NOV 2023    | ESSB 6-2                      | 07 NOV 2019    | ESNN 1-6                       | 21 MAR 2024    |
| ESSA 4-3                      | 02 NOV 2023    | ESSA 5-19     | 02 NOV 2023    | ESSB 6-3                      | 16 MAY 2024    | ESNN 1-7                       | 21 MAR 2024    |
| ESSA 4-4                      | 21 MAR 2024    | ESSA 5-20     | 02 NOV 2023    | ESSB 6-4                      | 16 MAY 2024    | ESNN 1-8                       | 21 MAR 2024    |
| ESSA 4-5                      | 21 MAR 2024    | ESSA 5-21     | 02 NOV 2023    | <b>Stockholm/Skavsta ESKN</b> |                | ESNN 1-9                       | 13 AUG 2020    |
| ESSA 4-7                      | 16 MAY 2024    | ESSA 5-22     | 02 NOV 2023    | ESKN 1-1                      | 16 MAY 2024    | ESNN 1-10                      | 03 DEC 2020    |
| ESSA 4-9                      | 21 MAR 2024    | ESSA 5-23     | 25 JAN 2024    | ESKN 1-2                      | 16 MAY 2024    | ESNN 1-11                      | 03 NOV 2022    |
| ESSA 4-10                     | 17 JUN 2021    | ESSA 5-24     | 25 JAN 2024    | ESKN 1-3                      | 01 DEC 2022    | ESNN 2-1                       | 21 MAR 2024    |
| ESSA 4-11                     | 17 JUN 2021    | ESSA 5-25     | 02 NOV 2023    | ESKN 1-4                      | 16 MAY 2024    | ESNN 3-1                       | 16 MAY 2024    |
| ESSA 4-12                     | 17 JUN 2021    | ESSA 5-26     | 02 NOV 2023    | ESKN 1-5                      | 17 JUN 2021    | ESNN 3-3                       | 21 MAR 2024    |
| ESSA 4-13                     | 17 JUN 2021    | ESSA 5-27     | 02 NOV 2023    | ESKN 1-6                      | 17 JUN 2021    | ESNN 4-1                       | 10 AUG 2023    |
| ESSA 4-15                     | 21 MAR 2024    | ESSA 5-28     | 02 NOV 2023    | ESKN 1-7                      | 16 MAY 2024    | ESNN 4-3                       | 13 AUG 2020    |
| ESSA 4-16                     | 17 JUN 2021    | ESSA 5-29     | 02 NOV 2023    | ESKN 1-8                      | 16 MAY 2024    | ESNN 4-5                       | 28 JAN 2021    |
| ESSA 4-17                     | 17 JUN 2021    | ESSA 5-30     | 02 NOV 2023    | ESKN 1-9                      | 16 MAY 2024    | ESNN 4-6                       | 13 AUG 2020    |
| ESSA 4-18                     | 17 JUN 2021    | ESSA 5-31     | 02 NOV 2023    | ESKN 1-10                     | 31 JAN 2019    | ESNN 4-7                       | 28 JAN 2021    |
| ESSA 4-19                     | 21 MAR 2024    | ESSA 5-32     | 02 NOV 2023    | ESKN 1-11                     | 17 JUN 2021    | ESNN 4-8                       | 13 AUG 2020    |
| ESSA 4-20                     | 17 JUN 2021    | ESSA 5-33     | 02 NOV 2023    | ESKN 1-12                     | 01 DEC 2022    | ESNN 4-9                       | 28 JAN 2021    |
| ESSA 4-21                     | 17 JUN 2021    | ESSA 5-35     | 02 NOV 2023    | ESKN 2-1                      | 01 DEC 2022    | ESNN 4-10                      | 13 AUG 2020    |
| ESSA 4-22                     | 17 JUN 2021    | ESSA 5-36     | 02 NOV 2023    | ESKN 2-3                      | 01 DEC 2022    | ESNN 4-11                      | 28 JAN 2021    |
| ESSA 4-25                     | 21 MAR 2024    | ESSA 5-37     | 02 NOV 2023    | ESKN 3-1                      | 16 MAY 2024    | ESNN 4-12                      | 13 AUG 2020    |
| ESSA 4-26                     | 17 JUN 2021    | ESSA 5-39     | 02 NOV 2023    | ESKN 3-3                      | 16 MAY 2024    | ESNN 4-13                      | 28 JAN 2021    |
| ESSA 4-27                     | 02 DEC 2021    | ESSA 5-40     | 02 NOV 2023    | ESKN 4-3                      | 21 JUN 2018    | ESNN 4-14                      | 13 AUG 2020    |
| ESSA 4-28                     | 02 DEC 2021    | ESSA 5-41     | 02 NOV 2023    | ESKN 4-5                      | 21 JUN 2018    | ESNN 4-15                      | 28 JAN 2021    |
| ESSA 4-31                     | 21 MAR 2024    | ESSA 6-1      | 21 MAR 2024    | ESKN 4-7                      | 17 JUN 2021    |                                |                |
| ESSA 4-32                     | 17 JUN 2021    |               |                | ESKN 4-8                      | 05 NOV 2020    |                                |                |
| ESSA 4-33                     | 11 AUG 2022    |               |                |                               |                |                                |                |

| Sida/<br>Page                            | Datum/<br>Date | Sida/<br>Page                      | Datum/<br>Date | Sida/<br>Page       | Datum/<br>Date | Sida/<br>Page          | Datum/<br>Date |
|--|----------------|------------------------------------|----------------|---------------------|----------------|------------------------|----------------|
| ESNN 4-16                                | 13 AUG 2020    | ESKS 1-8                           | 25 JAN 2024    | ESGT 5-6            | 02 NOV 2023    | ESCM 5-9               | 05 NOV 2020    |
| ESNN 4-91                                | 17 JUN 2021    | ESKS 1-9                           | 25 JAN 2024    | ESGT 5-7            | 02 NOV 2023    | ESCM 5-11              | 21 MAR 2024    |
| ESNN 5-1                                 | 28 JAN 2021    | ESKS 1-10                          | 25 JAN 2024    | ESGT 5-9            | 25 JAN 2024    | ESCM 5-12              | 21 MAR 2024    |
| ESNN 5-2                                 | 28 JAN 2021    | ESKS 2-1                           | 30 JAN 2020    | ESGT 5-10           | 02 NOV 2023    | ESCM 5-13              | 21 MAR 2024    |
| ESNN 5-3                                 | 28 JAN 2021    | ESKS 3-1                           | 25 JAN 2024    | ESGT 5-11           | 02 NOV 2023    | ESCM 5-15              | 21 MAR 2024    |
| ESNN 5-4                                 | 28 JAN 2021    | ESKS 3-3                           | 25 JAN 2024    | ESGT 6-1            | 21 MAR 2024    | ESCM 5-16              | 21 MAR 2024    |
| ESNN 5-5                                 | 03 NOV 2022    | ESKS 3-5                           | 27 JAN 2022    |                     |                | ESCM 5-17              | 05 NOV 2020    |
| ESNN 5-6                                 | 13 AUG 2020    | ESKS 3-7                           | 27 JAN 2022    | <b>Umeå ESNU</b>    |                | ESCM 6-1               | 21 MAR 2024    |
| ESNN 5-7                                 | 03 NOV 2022    | ESKS 4-1                           | 25 JAN 2024    | ESNU 1-1            | 23 MAR 2023    |                        |                |
| ESNN 5-8                                 | 13 AUG 2020    | ESKS 4-3                           | 25 MAR 2021    | ESNU 1-2            | 23 MAR 2023    | <b>Vidsele ESPE</b>    |                |
| ESNN 6-1                                 | 21 MAR 2024    | ESKS 4-5                           | 17 JUN 2021    | ESNU 1-3            | 23 MAR 2023    | ESPE 1-1               | 13 AUG 2020    |
|  |                | ESKS 4-6                           | 05 NOV 2020    | ESNU 1-4            | 19 MAY 2022    | ESPE 1-2               | 13 AUG 2020    |
| <b>Sveg ESND</b>                         |                | ESKS 4-7                           | 17 JUN 2021    | ESNU 1-5            | 23 MAR 2023    | ESPE 1-3               | 13 AUG 2020    |
| ESND 1-1                                 | 26 JAN 2023    | ESKS 4-8                           | 05 NOV 2020    | ESNU 1-6            | 23 MAR 2023    | ESPE 1-4               | 17 JUN 2021    |
| ESND 1-2                                 | 21 MAY 2020    | ESKS 4-9                           | 17 JUN 2021    | ESNU 1-7            | 18 MAY 2023    | ESPE 1-5               | 27 JAN 2022    |
| ESND 1-3                                 | 04 NOV 2021    | ESKS 4-10                          | 05 NOV 2020    | ESNU 1-8            | 19 MAY 2022    | ESPE 1-6               | 27 JAN 2022    |
| ESND 1-4                                 | 21 MAR 2024    | ESKS 4-11                          | 17 JUN 2021    | ESNU 1-9            | 03 NOV 2022    | ESPE 4-1               | 11 AUG 2022    |
| ESND 1-5                                 | 04 NOV 2021    | ESKS 4-12                          | 05 DEC 2019    | ESNU 1-10           | 03 NOV 2022    | ESPE 4-91              | 16 MAY 2024    |
| ESND 1-6                                 | 21 MAR 2024    | ESKS 4-91                          | 25 JAN 2024    | ESNU 1-11           | 25 JAN 2024    | ESPE 6-1               | 27 JAN 2022    |
| ESND 1-7                                 | 26 JAN 2023    | ESKS 5-1                           | 02 DEC 2021    | ESNU 2-1            | 25 JAN 2024    |                        |                |
| ESND 1-8                                 | 26 JAN 2023    | ESKS 5-2                           | 02 DEC 2021    | ESNU 3-1            | 19 MAY 2022    | <b>Vilhelmina ESNV</b> |                |
| ESND 2-1                                 | 21 MAR 2024    | ESKS 5-3                           | 17 JUN 2021    | ESNU 4-1            | 21 MAR 2024    | ESNV 1-1               | 30 JAN 2020    |
| ESND 3-1                                 | 21 MAR 2024    | ESKS 5-4                           | 26 MAR 2020    | ESNU 4-3            | 30 JAN 2020    | ESNV 1-2               | 25 JAN 2024    |
| ESND 4-3                                 | 31 JAN 2019    | ESKS 5-5                           | 03 DEC 2020    | ESNU 4-4            | 19 NOV 2009    | ESNV 1-3               | 25 JAN 2024    |
| ESND 5-1                                 | 04 NOV 2021    | ESKS 5-6                           | 26 MAR 2020    | ESNU 4-5            | 18 JUN 2020    | ESNV 1-4               | 11 AUG 2022    |
| ESND 5-2                                 | 27 JAN 2022    | ESKS 6-1                           | 26 MAR 2020    | ESNU 4-6            | 18 JUN 2020    | ESNV 1-5               | 11 AUG 2022    |
| ESND 5-3                                 | 27 JAN 2022    |                                    |                | ESNU 4-7            | 18 JUN 2020    | ESNV 1-6               | 11 AUG 2022    |
| ESND 5-5                                 | 04 NOV 2021    | <b>Torsby ESST</b>                 |                | ESNU 4-8            | 18 JUN 2020    | ESNV 1-7               | 11 AUG 2022    |
| ESND 5-6                                 | 04 NOV 2021    | ESST 1-1                           | 25 JAN 2024    | ESNU 4-13           | 30 JAN 2020    | ESNV 1-8               | 11 AUG 2022    |
| ESND 5-7                                 | 04 NOV 2021    | ESST 1-2                           | 10 AUG 2023    | ESNU 4-15           | 30 JAN 2020    | ESNV 1-9               | 11 AUG 2022    |
| ESND 5-9                                 | 04 NOV 2021    | ESST 1-3                           | 25 JAN 2024    | ESNU 4-16           | 30 JAN 2020    | ESNV 2-1               | 18 MAY 2023    |
| ESND 5-10                                | 04 NOV 2021    | ESST 1-4                           | 17 JUN 2021    | ESNU 4-19           | 30 JAN 2020    | ESNV 3-1               | 11 AUG 2022    |
| ESND 5-11                                | 04 NOV 2021    | ESST 1-5                           | 25 JAN 2024    | ESNU 4-20           | 30 JAN 2020    | ESNV 4-3               | 30 JAN 2020    |
| ESND 6-1                                 | 25 JAN 2024    | ESST 1-6                           | 25 JAN 2024    | ESNU 4-23           | 05 NOV 2020    | ESNV 5-1               | 10 AUG 2023    |
|  |                | ESST 1-7                           | 25 JAN 2024    | ESNU 4-24           | 18 JUN 2020    | ESNV 5-2               | 10 AUG 2023    |
| <b>Såtenäs ESIB</b>                      |                | ESST 1-8                           | 25 JAN 2024    | ESNU 4-25           | 18 JUN 2020    | ESNV 5-3               | 29 MAR 2018    |
| ESIB 1-1                                 | 23 MAR 2023    | ESST 1-9                           | 17 JUN 2021    | ESNU 4-26           | 18 JUN 2020    | ESNV 5-5               | 30 JAN 2020    |
| ESIB 1-2                                 | 03 APR 2014    | ESST 2-1                           | 25 JAN 2024    | ESNU 4-91           | 21 MAR 2024    | ESNV 5-6               | 30 JAN 2020    |
| ESIB 1-3                                 | 05 NOV 2020    | ESST 3-1                           | 17 JUN 2021    | ESNU 5-1            | 18 JUN 2020    | ESNV 5-7               | 30 JAN 2020    |
| ESIB 1-4                                 | 17 JUN 2021    | ESST 4-3                           | 25 JAN 2024    | ESNU 5-2            | 18 JUN 2020    | ESNV 5-9               | 30 JAN 2020    |
| ESIB 1-5                                 | 13 AUG 2020    | ESST 5-1                           | 25 JAN 2024    | ESNU 5-3            | 18 JUN 2020    | ESNV 5-10              | 30 JAN 2020    |
| ESIB 1-6                                 | 05 NOV 2020    | ESST 5-2                           | 25 JAN 2024    | ESNU 5-4            | 18 JUN 2020    | ESNV 5-11              | 30 JAN 2020    |
| ESIB 1-7                                 | 17 JUN 2021    | ESST 5-3                           | 25 JAN 2024    | ESNU 5-5            | 30 JAN 2020    | ESNV 6-1               | 30 JAN 2020    |
| ESIB 1-8                                 | 01 DEC 2022    | ESST 5-4                           | 25 JAN 2024    | ESNU 5-7            | 18 JUN 2020    |                        |                |
| ESIB 1-9                                 | 01 DEC 2022    | ESST 5-5                           | 25 JAN 2024    | ESNU 5-8            | 18 JUN 2020    | <b>Visby ESSV</b>      |                |
| ESIB 2-1                                 | 23 MAR 2023    | ESST 5-6                           | 25 JAN 2024    | ESNU 5-9            | 18 JUN 2020    | ESSV 1-1               | 26 JAN 2023    |
| ESIB 4-3                                 | 28 MAR 2019    | ESST 5-7                           | 25 JAN 2024    | ESNU 5-10           | 18 JUN 2020    | ESSV 1-2               | 15 JUN 2023    |
| ESIB 4-91                                | 21 MAR 2024    | ESST 5-9                           | 25 JAN 2024    | ESNU 6-1            | 21 MAR 2024    | ESSV 1-3               | 15 JUN 2023    |
| ESIB 5-1                                 | 01 DEC 2022    | ESST 5-10                          | 25 JAN 2024    |                     |                | ESSV 1-4               | 24 MAR 2022    |
| ESIB 5-2                                 | 01 DEC 2022    | ESST 5-11                          | 25 JAN 2024    | <b>Uppsala ESCM</b> |                | ESSV 1-5               | 10 SEP 2020    |
| ESIB 5-3                                 | 01 DEC 2022    | ESST 6-1                           | 16 MAY 2024    | ESCM 1-1            | 21 MAR 2024    | ESSV 1-6               | 17 JUN 2021    |
| ESIB 5-4                                 | 01 DEC 2022    |                                    |                | ESCM 1-2            | 23 MAR 2023    | ESSV 1-7               | 25 JAN 2024    |
| ESIB 5-5                                 | 01 DEC 2022    | <b>Trollhättan-Vänersborg ESGT</b> |                | ESCM 1-3            | 26 JAN 2023    | ESSV 1-8               | 15 JUN 2023    |
| ESIB 5-6                                 | 01 DEC 2022    | ESGT 1-1                           | 02 NOV 2023    | ESCM 1-4            | 26 JAN 2023    | ESSV 1-9               | 15 JUN 2023    |
| ESIB 5-7                                 | 01 DEC 2022    | ESGT 1-2                           | 17 JUN 2021    | ESCM 1-5            | 26 JAN 2023    | ESSV 1-10              | 15 JUN 2023    |
| ESIB 5-8                                 | 01 DEC 2022    | ESGT 1-3                           | 23 MAR 2023    | ESCM 1-6            | 21 MAR 2024    | ESSV 2-1               | 15 JUN 2023    |
| ESIB 5-9                                 | 01 DEC 2022    | ESGT 1-4                           | 23 MAR 2023    | ESCM 1-7            | 26 JAN 2023    | ESSV 2-3               | 15 JUN 2023    |
| ESIB 5-11                                | 01 DEC 2022    | ESGT 1-5                           | 02 NOV 2023    | ESCM 1-8            | 21 MAR 2024    | ESSV 3-1               | 16 JUN 2022    |
| ESIB 5-12                                | 01 DEC 2022    | ESGT 1-6                           | 23 MAR 2023    | ESCM 1-9            | 18 MAY 2023    | ESSV 4-1               | 18 MAY 2023    |
| ESIB 5-13                                | 01 DEC 2022    | ESGT 1-7                           | 02 NOV 2023    | ESCM 1-10           | 18 MAY 2023    | ESSV 4-3               | 15 AUG 2019    |
| ESIB 6-1                                 | 21 MAR 2024    | ESGT 1-8                           | 02 NOV 2023    | ESCM 2-1            | 21 MAR 2024    | ESSV 4-4               | 02 APR 2015    |
|  |                | ESGT 1-9                           | 21 MAR 2024    | ESCM 3-1            | 26 JAN 2023    | ESSV 4-5               | 17 JUN 2021    |
| <b>Sålen/Scandinavian Mountains ESKS</b> |                | ESGT 1-10                          | 21 MAR 2024    | ESCM 3-3            | 26 JAN 2023    | ESSV 4-6               | 15 AUG 2019    |
| ESKS 1-1                                 | 13 AUG 2020    | ESGT 2-1                           | 02 NOV 2023    | ESCM 4-3            | 21 MAY 2020    | ESSV 4-7               | 17 JUN 2021    |
| ESKS 1-2                                 | 13 AUG 2020    | ESGT 3-1                           | 02 NOV 2023    | ESCM 5-1            | 21 MAR 2024    | ESSV 4-8               | 15 AUG 2019    |
| ESKS 1-3                                 | 25 JAN 2024    | ESGT 4-3                           | 29 MAR 2018    | ESCM 5-2            | 21 MAR 2024    | ESSV 4-9               | 17 JUN 2021    |
| ESKS 1-4                                 | 25 JAN 2024    | ESGT 4-91                          | 21 MAR 2024    | ESCM 5-3            | 21 MAR 2024    | ESSV 4-10              | 15 AUG 2019    |
| ESKS 1-5                                 | 25 JAN 2024    | ESGT 5-1                           | 02 NOV 2023    | ESCM 5-4            | 21 MAR 2024    | ESSV 4-11              | 17 JUN 2021    |
| ESKS 1-6                                 | 25 JAN 2024    | ESGT 5-2                           | 02 NOV 2023    | ESCM 5-5            | 21 MAY 2020    | ESSV 4-12              | 17 JUN 2021    |
| ESKS 1-7                                 | 25 JAN 2024    | ESGT 5-3                           | 02 NOV 2023    | ESCM 5-7            | 21 MAR 2024    | ESSV 4-13              | 17 JUN 2021    |
|  |                | ESGT 5-5                           | 02 NOV 2023    | ESCM 5-8            | 21 MAR 2024    | ESSV 4-14              | 15 AUG 2019    |

| Sida/<br>Page               | Datum/<br>Date | Sida/<br>Page         | Datum/<br>Date | Sida/<br>Page            | Datum/<br>Date | Sida/<br>Page | Datum/<br>Date |
|-----------------------------|----------------|-----------------------|----------------|--------------------------|----------------|---------------|----------------|
| ESSV 4-15                   | 17 JUN 2021    | ESNZ 4-25             | 28 MAR 2019    | ESOE 5-7                 | 15 JUN 2023    |               |                |
| ESSV 4-16                   | 15 AUG 2019    | ESNZ 4-26             | 28 MAR 2019    | ESOE 5-8                 | 15 JUN 2023    |               |                |
| ESSV 4-91                   | 30 NOV 2023    | ESNZ 4-91             | 15 JUN 2023    | ESOE 5-9                 | 15 JUN 2023    |               |                |
| ESSV 5-1                    | 17 JUN 2021    | ESNZ 5-1              | 17 JUN 2021    | ESOE 5-11                | 15 JUN 2023    |               |                |
| ESSV 5-2                    | 17 JUN 2021    | ESNZ 5-3              | 07 NOV 2019    | ESOE 5-12                | 15 JUN 2023    |               |                |
| ESSV 5-3                    | 17 JUN 2021    | ESNZ 5-5              | 28 MAR 2019    | ESOE 5-13                | 10 AUG 2023    |               |                |
| ESSV 5-5                    | 17 JUN 2021    | ESNZ 5-6              | 28 MAR 2019    | ESOE 6-1                 | 15 JUN 2023    |               |                |
| ESSV 5-7                    | 17 JUN 2021    | ESNZ 5-7              | 08 NOV 2018    |                          |                |               |                |
| ESSV 5-8                    | 25 MAR 2021    | ESNZ 5-8              | 25 JUN 2015    | <b>Örnsköldsvik ESNO</b> |                |               |                |
| ESSV 5-9                    | 17 JUN 2021    | ESNZ 5-9              | 02 DEC 2021    | ESNO 1-1                 | 15 AUG 2019    |               |                |
| ESSV 5-11                   | 17 JUN 2021    | ESNZ 5-10             | 02 DEC 2021    | ESNO 1-2                 | 02 NOV 2023    |               |                |
| ESSV 5-12                   | 25 MAR 2021    | ESNZ 5-11             | 02 DEC 2021    | ESNO 1-3                 | 21 MAR 2024    |               |                |
| ESSV 5-13                   | 25 MAR 2021    | ESNZ 5-12             | 02 DEC 2021    | ESNO 1-4                 | 15 AUG 2019    |               |                |
| ESSV 6-1                    | 02 NOV 2023    | ESNZ 6-1              | 26 JAN 2023    | ESNO 1-5                 | 28 MAR 2019    |               |                |
|                             |                |                       |                | ESNO 1-6                 | 17 JUN 2021    |               |                |
| <b>Växjö/Kronoberg ESMX</b> |                | <b>Ängelholm ESTA</b> |                | ESNO 1-7                 | 11 AUG 2022    |               |                |
| ESMX 1-1                    | 23 MAR 2023    | ESTA 1-1              | 19 MAY 2022    | ESNO 2-1                 | 17 JUN 2021    |               |                |
| ESMX 1-2                    | 12 NOV 2015    | ESTA 1-2              | 02 NOV 2023    | ESNO 3-1                 | 16 MAY 2024    |               |                |
| ESMX 1-3                    | 23 MAR 2023    | ESTA 1-3              | 27 JAN 2022    | ESNO 4-1                 | 21 MAR 2024    |               |                |
| ESMX 1-4                    | 23 MAR 2023    | ESTA 1-4              | 27 JAN 2022    | ESNO 4-3                 | 16 AUG 2018    |               |                |
| ESMX 1-5                    | 23 MAR 2023    | ESTA 1-5              | 21 MAR 2024    | ESNO 4-91                | 28 JAN 2021    |               |                |
| ESMX 1-6                    | 23 MAR 2023    | ESTA 1-6              | 21 MAR 2024    | ESNO 5-1                 | 15 AUG 2019    |               |                |
| ESMX 1-7                    | 23 MAR 2023    | ESTA 1-7              | 02 NOV 2023    | ESNO 5-2                 | 07 NOV 2019    |               |                |
| ESMX 2-1                    | 23 MAR 2023    | ESTA 1-8              | 19 MAY 2022    | ESNO 5-3                 | 07 NOV 2019    |               |                |
| ESMX 3-1                    | 21 MAR 2024    | ESTA 1-9              | 19 MAY 2022    | ESNO 5-5                 | 15 AUG 2019    |               |                |
| ESMX 4-1                    | 23 MAR 2023    | ESTA 2-1              | 27 JAN 2022    | ESNO 5-6                 | 15 AUG 2019    |               |                |
| ESMX 4-3                    | 25 APR 2019    | ESTA 2-3              | 27 JAN 2022    | ESNO 5-7                 | 04 NOV 2021    |               |                |
| ESMX 4-91                   | 23 MAR 2023    | ESTA 3-1              | 27 JAN 2022    | ESNO 5-8                 | 08 NOV 2018    |               |                |
| ESMX 5-1                    | 23 MAR 2023    | ESTA 3-3              | 07 DEC 2017    | ESNO 5-9                 | 16 AUG 2018    |               |                |
| ESMX 5-2                    | 23 MAR 2023    | ESTA 4-1              | 16 MAY 2024    | ESNO 5-11                | 07 NOV 2019    |               |                |
| ESMX 5-3                    | 23 MAR 2023    | ESTA 4-3              | 24 MAR 2022    | ESNO 5-12                | 07 NOV 2019    |               |                |
| ESMX 5-4                    | 23 MAR 2023    | ESTA 4-5              | 04 NOV 2021    | ESNO 5-13                | 16 AUG 2018    |               |                |
| ESMX 5-5                    | 23 MAR 2023    | ESTA 4-6              | 18 JUN 2020    | ESNO 6-1                 | 21 MAR 2024    |               |                |
| ESMX 5-6                    | 23 MAR 2023    | ESTA 4-7              | 04 NOV 2021    |                          |                |               |                |
| ESMX 5-7                    | 23 MAR 2023    | ESTA 4-8              | 18 JUN 2020    | <b>AD 3</b>              |                |               |                |
| ESMX 5-9                    | 23 MAR 2023    | ESTA 4-91             | 23 MAR 2023    | 3.1-1                    | 31 MAR 2016    |               |                |
| ESMX 5-10                   | 23 MAR 2023    | ESTA 5-1              | 04 NOV 2021    |                          |                |               |                |
| ESMX 5-11                   | 23 MAR 2023    | ESTA 5-2              | 04 NOV 2021    |                          |                |               |                |
| ESMX 6-1                    | 21 MAR 2024    | ESTA 5-3              | 04 NOV 2021    |                          |                |               |                |
|                             |                | ESTA 5-4              | 04 NOV 2021    |                          |                |               |                |
| <b>Äre Östersund ESNZ</b>   |                | ESTA 5-5              | 27 JAN 2022    |                          |                |               |                |
| ESNZ 1-1                    | 26 JAN 2023    | ESTA 5-7              | 24 MAR 2022    |                          |                |               |                |
| ESNZ 1-2                    | 28 JAN 2021    | ESTA 5-8              | 24 MAR 2022    |                          |                |               |                |
| ESNZ 1-3                    | 26 JAN 2023    | ESTA 5-9              | 24 MAR 2022    |                          |                |               |                |
| ESNZ 1-4                    | 16 MAY 2024    | ESTA 5-11             | 24 MAR 2022    |                          |                |               |                |
| ESNZ 1-5                    | 16 MAY 2024    | ESTA 5-12             | 24 MAR 2022    |                          |                |               |                |
| ESNZ 1-6                    | 16 MAY 2024    | ESTA 5-13             | 24 MAR 2022    |                          |                |               |                |
| ESNZ 1-7                    | 16 MAY 2024    | ESTA 6-1              | 21 MAR 2024    |                          |                |               |                |
| ESNZ 1-8                    | 16 MAY 2024    |                       |                |                          |                |               |                |
| ESNZ 1-9                    | 16 MAY 2024    | <b>Örebro ESOE</b>    |                |                          |                |               |                |
| ESNZ 1-10                   | 16 MAY 2024    | ESOE 1-1              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 2-1                    | 26 JAN 2023    | ESOE 1-2              | 16 MAY 2024    |                          |                |               |                |
| ESNZ 3-1                    | 23 MAR 2023    | ESOE 1-3              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 3-3                    | 13 AUG 2020    | ESOE 1-4              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-1                    | 15 JUN 2023    | ESOE 1-5              | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-3                    | 02 DEC 2021    | ESOE 1-6              | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-5                    | 08 DEC 2016    | ESOE 1-7              | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-7                    | 08 NOV 2018    | ESOE 1-8              | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-8                    | 08 DEC 2016    | ESOE 1-9              | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-9                    | 08 DEC 2016    | ESOE 1-10             | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-11                   | 08 NOV 2018    | ESOE 2-1              | 25 JAN 2024    |                          |                |               |                |
| ESNZ 4-12                   | 08 DEC 2016    | ESOE 3-1              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-13                   | 08 DEC 2016    | ESOE 4-1              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-15                   | 08 DEC 2016    | ESOE 4-3              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-17                   | 02 DEC 2021    | ESOE 4-91             | 16 MAY 2024    |                          |                |               |                |
| ESNZ 4-18                   | 02 DEC 2021    | ESOE 5-1              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-19                   | 08 NOV 2018    | ESOE 5-2              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-20                   | 09 NOV 2017    | ESOE 5-3              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-21                   | 09 NOV 2017    | ESOE 5-4              | 10 AUG 2023    |                          |                |               |                |
| ESNZ 4-23                   | 28 MAR 2019    | ESOE 5-5              | 15 JUN 2023    |                          |                |               |                |
| ESNZ 4-24                   | 28 MAR 2019    | ESOE 5-6              | 15 JUN 2023    |                          |                |               |                |



|  |  |
|--|--|
| 5.2.1.1.3  | When the AIP data set (as specified in 5.3.3.1) is provided, the following sections of the AIP may be omitted and reference to the data set availability shall be provided:<br>a) GEN 2.5 List of radio navigation aids;<br>b) ENR 2.1 FIR, UIR, TMA and CTA;<br>c) ENR 3.1 Lower ATS routes;<br>d) ENR 3.2 Upper ATS routes;<br>e) ENR 3.3 Area navigation routes;<br>f) ENR 3.4 Helicopter routes;<br>g) ENR 3.5 Other routes;<br>h) ENR 3.6 En-route holding;<br>i) ENR 4.1 Radio navigation aids — en-route;<br>j) ENR 4.2 Special navigation systems;<br>k) ENR 4.4 Name-code designators for significant points;<br>l) ENR 4.5 Aeronautical ground lights – en-route;<br>m) ENR 5.1 Prohibited, restricted and danger areas;<br>n) ENR 5.2 Military exercise and training areas and air defence identification zone (ADIZ);<br>o) ENR 5.3.1 Other activities of a dangerous nature;<br>p) ENR 5.3.2 Other potential hazards;<br>q) ENR 5.5 Aerial sporting and recreational activities;<br>r) ****AD 2.17 Air traffic services airspace;<br>s) **** AD 2.19 Radio navigation and landing aids;<br>t) **** AD 3.16 Air traffic services airspace; and<br>u) **** AD 3.18 Radio navigation and landing aids. |
| Appendix 1   | According EU regulation (EU) 2017/373<br>Appendix 1 to Annex III   |
| Table A1-1   | 1. Aerodrome data  |
| Table A1-3   | 3. ATS Route   |
| Table A1-5   | 5. Radio navigation aids/systems data  |
| Appendix 2<br>PART 2 —<br>EN-ROUTE<br>(ENR)              | According EU regulation (EU) 2017/373<br>Appendix 1 to Annex III<br>PART 2 – EN-ROUTE (ENR)  |
| Appendix 2<br>PART 3-<br>AERODRO-<br>MES (AD)<br>AD 2.19 | According EU regulation (EU) 2017/373<br>Appendix 1 to Annex III<br>PART 3 – AERODROMES (AD)   |
| Appendix 2<br>PART 3 —<br>AERODRO-<br>MES (AD)           | According EU regulation (EU) 2017/373<br>Appendix 1 to Annex III<br>PART 3 – AERODROMES (AD)   |
| AD 2.25  | Not implemented  |

**2 Data som inte överensstämmer med  
EU-kommissionens förordning (EU) 2017/373****2 Data non-compliant with European Commission  
Regulation (EU) 2017/373**

| Data Item  | AIP section         | Reason for non-compliance   | Notes/remarks |
|--|---------------------|---|---------------|
| <b>RWY 06/24</b><br>Nominal length and width.<br><b>RWY direction 06 and 24</b><br>True Bearing, THR position,<br>elevation and geoid undulation.<br>TORA, TODA, ASDA, LDA.<br><b>NDB KBG</b><br>Position. | AD 2 ESIA Karlsborg | Accuracy can not be confirmed.<br>Not surveyed after 2013.                            | -             |
| <b>Obstacles</b><br>Coordinates marked (*)   | ENR 5.4             | Vertical and horizontal accuracy<br>can not be confirmed. Not<br>surveyed after 2013. | -             |

- |   |   |
|---|---|
| <p>i) Standardflygvägar för ankommande/avgående trafik (SID/STAR) – ICAO<br/>Denna karta innehåller information om etablerade standardflygvägar – IFR och med uppgifter om hur dessa skall flygas.</p> <p>j) Lägsta vektoreringshöjdkarta – ICAO<br/>Kompletterande karta med information som gör det möjligt för flygbesättningar att övervaka och dubbelkontrollera höjd som tilldelats under radar kontroll.</p> <p>k) Instrumentinflygningskarta – ICAO<br/>Denna karta finns framtagen för alla flygplatser med godkänd instrumentbana. Kartan innehåller för operatören uppgifter om hur instrumentinflygning, avbruten inflygning och väntning skall utföras till bana för avsedd landning.</p> <p>l) Visuellinflygningskarta – ICAO<br/>Kartan är utarbetad med syfte att ge operatören information om flygplatsens visuella inflygningsförfaranden, terrängbild, hinder etc.</p> | <p>i) Standard Departure/Arrival Chart (SID/STAR) – ICAO<br/>This chart provides the operator with information to enable compliance with designated standard instrument departure/arrival routes.</p> <p>j) ATC Surveillance Minimum Altitude Chart – ICAO<br/>This is a supplementary chart that provides information which enable flight crews to monitor and cross-check altitudes assigned under radar control.</p> <p>k) Instrument Approach Chart – ICAO<br/>This chart is produced for all aerodromes having an approved instrument runway. The chart provides the flight crew with information to perform instrument approach, missed approach and holding patterns for the runway of intended landing.</p> <p>l) Visual Approach Chart – ICAO<br/>This chart is produced to provide the operator with information on visual approach procedures, terrain information, obstacles etc.</p> |
|---|---|

#### 5 Förteckning över flygkartor

Under AD 2 mom. 2.24 finns för varje individuell flygplats en detaljerad lista över tillhörande flygkartor.

Flygkarta ICAO 1:500 000, tillgängliga blad och informations datum.

|                 |           |             |
|-----------------|-----------|-------------|
| 2169 AB         | MALMÖ     | 21 MAR 2024 |
| 2151 C, 2152 DC | GÖTEBORG  | 21 MAR 2024 |
| 2151 B, 2152 AB | STOCKHOLM | 21 MAR 2024 |
| 2105 C, 2104 DC | GÄVLE     | 21 MAR 2024 |
| 2105 B, 2104 AB | SUNDSVALL | 21 MAR 2024 |
| 2090 DC         | LULEÅ     | 21 MAR 2024 |
| 2052 DC, 2090 B | KIRUNA    | 21 MAR 2024 |

#### 6 Topografiska kartor

Som komplement till flygkartor finns ett stort urval av topografiska kartor i olika skalor tillgängliga i bokhandeln eller från:

[www.lantmateriet.se](http://www.lantmateriet.se)

#### 5 List of aeronautical charts available

A detailed list of charts related to the individual airport is given in the relevant aerodrome subsection. AD 2 item 2.24.

Aeronautical Chart ICAO 1:500 000, charts available and information date.

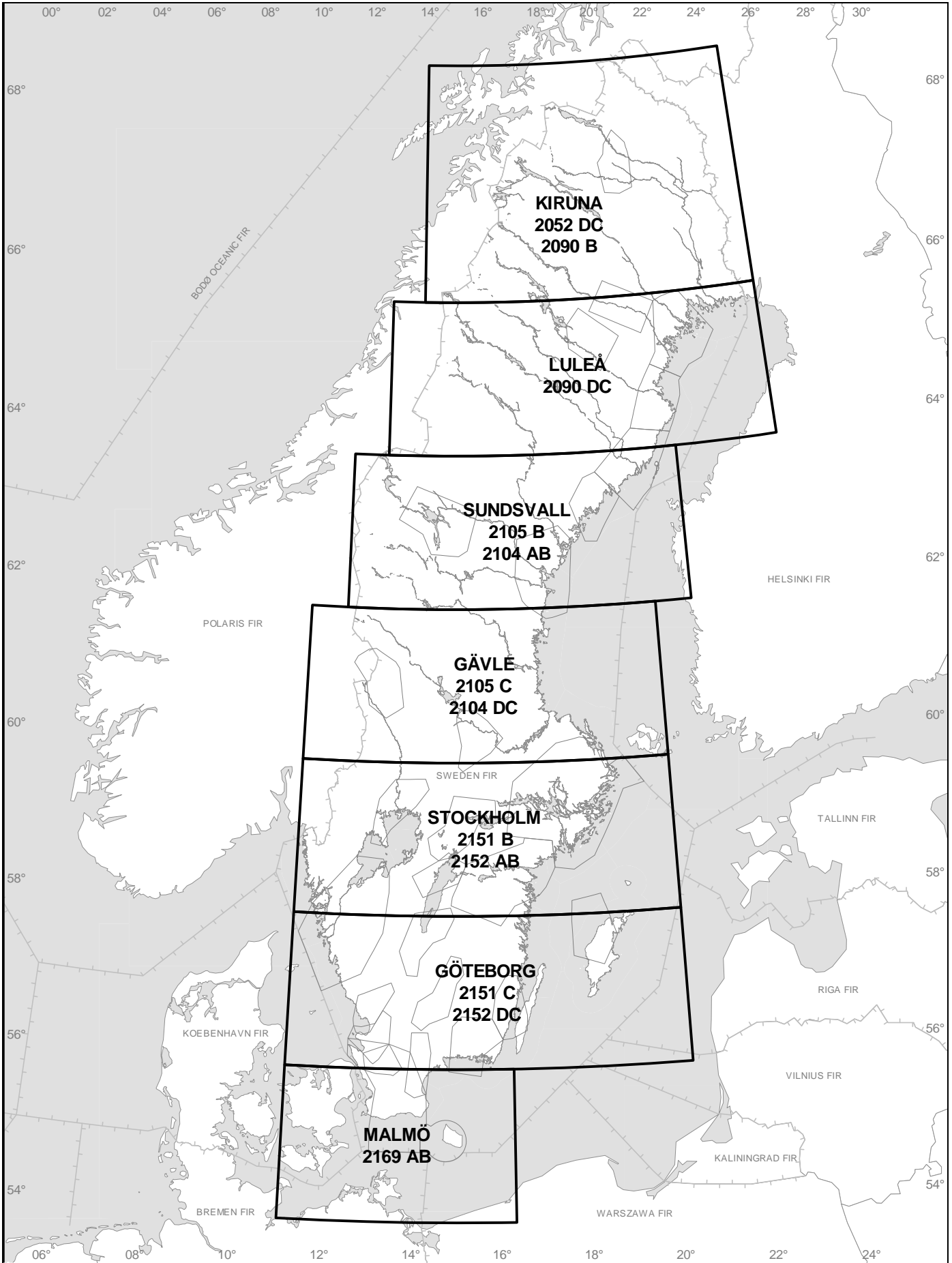
|                 |           |             |
|-----------------|-----------|-------------|
| 2169 AB         | MALMÖ     | 21 MAR 2024 |
| 2151 C, 2152 DC | GÖTEBORG  | 21 MAR 2024 |
| 2151 B, 2152 AB | STOCKHOLM | 21 MAR 2024 |
| 2105 C, 2104 DC | GÄVLE     | 21 MAR 2024 |
| 2105 B, 2104 AB | SUNDSVALL | 21 MAR 2024 |
| 2090 DC         | LULEÅ     | 21 MAR 2024 |
| 2052 DC, 2090 B | KIRUNA    | 21 MAR 2024 |

#### 6 Topographical charts

To supplement the aeronautical charts a large variety of topographical charts to different scales are available from local bookstores or from:

[www.lantmateriet.se](http://www.lantmateriet.se)

7 Index to aeronautical chart – ICAO 1:500 000



| Unit name/service  | Postal address   | Telephone  | Fax                 | AFS                                      |
|--|--|--|---------------------|--|
| KARLSTAD TWR   | ACR<br>Flygtrafikledningen<br>SE-655 91 Karlstad   | +46 (0)54 55 60 76   |                     | ESOKZTZX                                 |
| KIRUNA TWR   | LFV<br>Box 918<br>SE-195 05 Arlandastad<br>E-mail: atskiruna@lfv.se  | +46 (0)8 511 886 14  |                     | ESNQZTZX                                 |
| KRAMFORS AFIS  | Höga kusten Airport<br>Gistgårdsön 2150<br>SE-870 52 Nyland  | +46 (0)612 223 55  | +46 (0)612 71 81 22 | ESNKZTZX                                 |
| KRISTIANSTAD TWR   | ACR<br>Kristianstad Airport AB<br>Flygtrafikledningen<br>Kristianstad flygplats<br>SE-297 92 Everöd            | +46 (0)44 23 88 58   | +46 (0)44 23 88 78  | ESMKZTZX                                 |
| LINKÖPING/Malmen TWR   | LFV<br>Flygtrafikledningen<br>SE-581 98 Linköping  | +46 (0)13 28 35 90<br>+46 (0)13 28 30 00   | +46 (0)13 28 36 99  | ESCFZTZX                                 |
| LINKÖPING/Saab TWR   | RTC Sundsvall/SDATS<br>Midlandavägen 14<br>SE-861 41 Sörberge<br>E-mail:<br>ats.saab@saabgroup.com             | +46 (0)60 19 75 13   |                     | ESSLZTZX                                 |
| LJUNGBYHED TWR   | ACR<br>Flygtrafikledningen<br>Drottningvägen 3<br>SE-264 51 Ljungbyhed<br>E-mail: ats.ljungbyhed@acr-sweden.se | +46 (0)435 44 03 57<br>+46 (0)435 44 55 13   |                     | ESTLZTZX                                 |
| LULEÅ/Kallax TWR   | LFV<br>ATS F21<br>SE-971 73 Luleå  | +46 (0)920 23 63 29<br>+46 (0)920 23 49 32   | +46 (0)920 23 49 39 | ESPAZTZX                                 |
| LYCKSELE AFIS  | Lycksele Airport AB<br>SE-921 81 Lycksele<br>E-mail: ats@lyckseleairport.se                                    | +46 (0)950 275 51<br>+46 (0)950 275 60   |                     | ESNLZTZX                                 |
| MALMÖ ACC<br>Marked (+) to be used only for relevant ATS messages, i.e. FPL, DEP and closing of flight plan. | LFV<br>Flygtrafikledningen<br>Box 54<br>SE-230 32 Malmö-Sturup   | +46 (0)40 613 24 00<br>+46 (0)40 28 34 00<br>+46 (0)40 613 24 05 (+)<br>+46 (0)40 28 34 05 (+) | +46 (0)40 50 02 54  | ESMMZRZX<br>ESMMZQZX (+)<br>ESMMZFZX (+) |
| MALMÖ/Sturup TWR   | LFV<br>Box 918<br>SE-195 05 Arlandastad<br>E-mail: ats.esms@lfv.se   | +46 (0)40 613 15 50<br>+46 (0)40 613 10 00   |                     | ESMSZTZX                                 |
| MORA/Siljan AFIS   | Mora Siljan flygplats<br>Mora flygplats<br>SE-792 91 Mora  | +46 (0)250 301 98  | +46 (0)250 59 35 25 | ESKMZTZX                                 |
| NORRKÖPING/Kungsängen TWR  | ACR<br>Flygtrafikledningen<br>Norrköping Flygplats<br>SE-603 61 Norrköping                                     | +46 (0)11 14 02 00   | +46 (0)11 14 54 10  | ESSPZTZX                                 |
| PAJALA AFIS  | Pajala Airport<br>Flygtrafikledningen<br>SE-984 91 Pajala  | +46 (0)978 511 10  | +46 (0)978 511 50   | ESUPZTZX                                 |
| RONNEBY TWR  | Blekinge flygflottilj, F17<br>Box 502<br>SE-372 25 Ronneby   | +46 (0)457 47 15 55  | +46 (0)457 47 15 56 | ESDFZTZX                                 |
| SKELLEFTEÅ TWR   | ACR<br>Flygtrafikledningen<br>Skellefteå Flygplats<br>SE-931 92 Skellefteå                                     | +46 (0)910 576 90  | +46 (0)910 841 00   | ESNSZTZX                                 |

| Unit name/service  | Postal address  | Telephone  | Fax                 | AFS                                      |
|--|---|--|---------------------|--|
| STOCKHOLM ACC<br>Marked (+) to be used only for relevant ATS messages, i.e. FPL, DEP and closing of flight plan. | LFV<br>Flygtrafikledningen<br>SE-190 45 Stockholm-Arlanda   | +46 (0)8 585 547 00<br>+46 (0)8 585 547 01<br>+46 (0)8 585 545 05 (+)<br>+46 (0)8 594 926 96 (+) | +46 (0)8 593 619 00 | ESOSZRZX<br>ESOSZQZX (+)<br>ESOSZFZX (+) |
| STOCKHOLM/Arlanda TWR  | LFV<br>Flygtrafikledningen<br>SE-190 45 Stockholm-Arlanda   | +46 (0)8 594 922 50<br>+46 (0)8 797 60 00  | +46 (0)8 593 627 23 | ESSAZTZX                                 |
| STOCKHOLM/Bromma TWR   | LFV<br>Flygtrafikledningen<br>Bromma Stockholm Airport<br>SE-168 67 Bromma                              | +46 (0)8 797 68 61<br>+46 (0)8 28 87 22  |                     | ESSBZTZX                                 |
| STOCKHOLM/Flight Planning Centre<br>AIS/ARO/NOF  | LFV<br>FPC/NOF<br>Box 115<br>SE-190 46 Stockholm-Arlanda  | +46 (0)8 797 63 40<br>+46 (0)8 797 63 38   | +46 (0)8 593 601 79 | ESSAZPZX<br>ESSAYNYX                     |
| STOCKHOLM/Skavsta TWR  | ACR<br>Flygtrafikledningen<br>Stockholm Skavsta flygplats AB<br>Box 44<br>SE-611 22 Nyköping            | +46 (0)155 28 04 20<br>+46 (0)155 28 04 23   | +46 (0)155 28 04 86 | ESKNZTZX                                 |
| STOCKHOLM/Västerås TWR   | Västerås flygplats AB<br>Flygtrafikledningen<br>Västerås flygplats<br>SE-721 31 Västerås                | +46 (0)21 80 00 20   | +46 (0)21 80 13 20  | ESOWZTZX                                 |
| SUNDSVALL-TIMRÅ TWR  | RTC Sundsvall/SDATS<br>Midlandavägen 14<br>SE-861 41 Sörberge<br>E-mail:<br>ats.sundsvall@saabgroup.com | +46 (0)60 19 75 07   |                     | ESNNZTZX                                 |
| SVEG AFIS  | Härjedalens kommun<br>Härjedalen Sveg Airport<br>SE-842 80 Sveg   | +46 (0)680 71 13 50  | +46 (0)680 131 30   | ESNDZTZX                                 |
| SÅTENÅS TWR  | Skaraborgs flygflottilj, F7<br>SE-530 32 Sätenäs  | +46 (0)510 804 90<br>+46 (0)510 47 70 00   | +46 (0)510 47 73 39 | ESIBZTZX                                 |
| SÅLEN TWR  | RTC Sundsvall/SDATS<br>Midlandavägen 14<br>SE-861 41 Sörberge<br>E-mail:<br>ats.salen@saabgroup.com     | +46(0)60 19 75 04  |                     | ESKSZTZX                                 |
| TORSBY AFIS  | Torsby Flygplats<br>Vasserudsvägen 3<br>SE-685 34 Torsby  | +46 (0)560 717 24  | +46 (0)560 143 99   | ESSTZTZX                                 |
| TROLLHÄTTAN-VÄNERSBORG TWR   | ACR<br>Flygtrafikledningen<br>Trollhättan-Vänersborg<br>flygplats<br>SE-461 93 Trollhättan              | +46 (0)520 42 93 61  | +46 (0)520 173 57   | ESGTZTZX                                 |
| UMEÅ TWR   | LFV<br>Box 918<br>SE-195 05 Arlandastad<br>E-mail: ats.umea@lfv.se                                      | +46 (0)90 71 61 71<br>+46 (0)90 71 61 72   |                     | ESNUZTZX                                 |
| UPPSALA TWR  | LFV<br>Flygtrafikledningen<br>LSS<br>Box 645<br>SE-751 27 Uppsala<br>E-mail: ats.uppsala@lfv.se         | +46 (0)18 19 60 72<br>+46 (0)18 19 60 73   | +46 (0)18 19 60 79  | ESCMZTZX                                 |
| VIDSEL TWR   | LFV<br>Flygtrafikledningen<br>RFN<br>SE-942 23 Vidsele  | +46 (0)929 360 25<br>+46 (0)929 370 00   | +46 (0)929 374 73   | ESPEZTZX                                 |

| Terminal Control Areas   |   | ATS Airspace Classification. Ref ENR 1.4  |  |
|--|---|---|--|
| Name   | Lateral limits  | Vertical limits                           | ATC unit<br>Channel/FREQ<br>Callsign   |
| Sector Klippan<br><br>Established during operational hours of LJUNGBYHED TWR and/or ÄNGELHOLM TWR. | 561920N 0132444E - 560722N 0131030E - 560337N 0130246E - 560514N 0125857E - 561148N 0124828E - 561920N 0132444E   | FL 065<br><br>1500 ft AMSL<br><br>Class C | When Ljungbyhed APP open:<br>LJUNGBYHED APP<br>129.555<br>LJUNGBYHED APPROACH<br><br>When Ljungbyhed APP closed:<br>ÄNGELHOLM APP<br>132.455<br>ÄNGELHOLM APPROACH |
| LULEÅ TMA  | 660025N 0220244E - 655731N 0220754E - 654636N 0222706E - 652626N 0230143E - 650618N 0223411E - 650411N 0222245E - 650137N 0220919E - 645227N 0215158E - 650454N 0205653E - 651413N 0210918E - 653333N 0211155E - 653622N 0211217E - 655355N 0211444E - 655655N 0212944E - 660025N 0220244E  |   |  |
| Luleå TMA a<br><br>Established during operational hours of LULEÅ TWR.                              | 654636N 0222706E - 652626N 0230143E - 650618N 0223411E - 650411N 0222245E - 652152N 0214033E - 652808N 0215744E - 653544N 0221854E - 654636N 0222706E   | FL 095<br><br>1200 ft AMSL<br><br>Class C | Kallax APP<br>125.450<br>KALLAX APPROACH   |
| Luleå TMA b<br><br>Established during operational hours of LULEÅ TWR                               | 655731N 0220754E - 654636N 0222706E - 653544N 0221854E - 652808N 0215744E - 652152N 0214033E - 653333N 0211155E - 653622N 0211217E - 655731N 0220754E   | FL 095<br><br>1600 ft AMSL<br><br>Class C | Kallax APP<br>125.450<br>KALLAX APPROACH   |
| Luleå TMA c<br><br>Established during operational hours of LULEÅ TWR                               | 660025N 0220244E - 655731N 0220754E - 653622N 0211217E - 655355N 0211444E - 655655N 0212944E - 660025N 0220244E   | FL 095<br><br>2000 ft AMSL<br><br>Class C | Kallax APP<br>125.450<br>KALLAX APPROACH   |
| Luleå TMA d<br><br>Established during operational hours of LULEÅ TWR.                              | 653333N 0211155E - 652152N 0214033E - 650411N 0222245E - 650137N 0220919E - 651413N 0210918E - 653333N 0211155E   | FL 095<br><br>2000 ft AMSL<br><br>Class C | Kallax APP<br>125.450<br>KALLAX APPROACH   |
| Luleå TMA e<br><br>Established during operational hours of LULEÅ TWR.                              | 651413N 0210918E - 650137N 0220919E - 645227N 0215158E - 650454N 0205653E - 651413N 0210918E  | FL 095<br><br>4500 ft AMSL<br><br>Class C | Kallax APP<br>125.450<br>KALLAX APPROACH   |
| MALMÖ TMA  | 562312N 0122634E - 561920N 0132444E - 561316N 0135444E - 554039N 0141741E - 551726N 0141828E - 551033N 0141000E - 545500N 0141000E - 545500N 0130000E - 551458N 0125956E - 554358N 0130656E - 555834N 0125156E - 555958N 0124356E - 560158N 0124046E - 560158N 0123925E<br>Swedish/Danish border northward to - 560951N 0122624E - 562312N 0122634E |   |  |
| Malmö TMA a<br><br>Established H24   | 554937N 0133636E - 553500N 0133850E - 552620N 0134720E - 550715N 0134720E - 550540N 0125958E - 551458N 0125956E - 554358N 0130656E - 554857N 0130636E - 554937N 0133636E  | FL 065<br><br>1500 ft AMSL<br><br>Class C | MALMÖ ACC<br>134.980<br>SWEDEN CONTROL   |

| Terminal Control Areas   |  | ATS Airspace Classification. Ref ENR 1.4 |  |
|--|--|--|--|
| Name   | Lateral limits   | Vertical limits                          | ATC unit<br>Channel/FREQ<br>Callsign   |
| Malmö TMA b<br>Established H24   | 560337N 0130246E - 560036N 0134327E -<br>560000N 0135152E - 555123N 0135002E -<br>555452N 0133115E - 555530N 0132750E -<br>555608N 0130626E - 555834N 0125156E -<br>560337N 0130246E   | FL 065<br>4500 ft AMSL<br>Class C        | MALMÖ ACC<br>131.280<br>SWEDEN CONTROL   |
| Malmö TMA c<br>Established H24   | 555834N 0125156E - 555608N 0130626E -<br>555530N 0132750E - 555452N 0133115E -<br>555123N 0135002E - 554216N 0134806E -<br>552620N 0134720E - 553500N 0133850E -<br>554937N 0133636E - 554857N 0130636E -<br>554358N 0130656E - 555834N 0125156E   | FL 065<br>2500 ft AMSL<br>Class C        | MALMÖ ACC<br>134.980<br>SWEDEN CONTROL   |
| Malmö TMA d<br>Established H24   | 552620N 0134720E - 551726N 0141828E -<br>551033N 0141000E - 545500N 0141000E -<br>545500N 0130000E - 550540N 0125958E -<br>550715N 0134720E - 552620N 0134720E   | FL 065<br>3500 ft AMSL<br>Class C        | MALMÖ ACC<br>134.980<br>SWEDEN CONTROL   |
| Malmö TMA e<br>Established H24   | 562312N 0122634E - 561920N 0132444E -<br>561316N 0135444E - 554039N 0141741E -<br>551726N 0141828E - 551033N 0141000E -<br>545500N 0141000E - 545500N 0130000E -<br>551458N 0125956E - 554358N 0130656E -<br>555834N 0125156E - 555958N 0124356E -<br>560158N 0124046E - 560158N 0123925E<br>Swedish/Danish border northward to -<br>560951N 0122624E - 562312N 0122634E | FL 095<br>FL 065<br>Class C              | MALMÖ ACC<br>134.980<br>SWEDEN CONTROL<br><br>MALMÖ ACC<br>131.280<br>SWEDEN CONTROL |
| Malmö TMA f<br>Established H24   | 554216N 0134806E - 553734N 0140107E -<br>554039N 0141741E - 551726N 0141828E -<br>552620N 0134720E - 554216N 0134806E  | FL 065<br>4500 ft AMSL<br>Class C        | MALMÖ ACC<br>134.980<br>SWEDEN CONTROL   |
| ROENNE TMA<br><br>Restricted area EK R95 and<br>R96 are situated within<br>TMA<br><br>Established during<br>operational hours of<br>ROENNE TWR<br>See AIP DENMARK. | 551726N 0141828E - 551534N 0142453E<br>clockwise along an arc centred on 550404N<br>0144448E and with radius 16.2 NM -<br>545500N 0142127E - 545500N 0141000E -<br>551033N 0141000E - 551726N 0141828E   | FL 095<br>4500 ft AMSL<br>Class E        | MALMÖ ACC<br>134.980<br>SWEDEN CONTROL   |
| Roenne TMA a<br><br>Established during<br>operational hours of<br>ROENNE TWR<br>See AIP DENMARK.   | 551726N 0141828E - 551534N 0142453E<br>clockwise along an arc centred on 550404N<br>0144448E and with radius 16.2 NM -<br>545500N 0142127E - 545500N 0141000E -<br>551033N 0141000E - 551726N 0141828E   | 4500 ft AMSL<br>3500 ft AMSL<br>Class D  | ROENNE TWR<br>118.330<br>ROENNE TOWER  |
| Roenne TMA b<br><br>Established during<br>operational hours of<br>ROENNE TWR<br>See AIP DENMARK.   | A circle with radius 16.2 NM centred on<br>550404N 0144448E  | 3500 ft AMSL<br>1500 ft AMSL<br>Class D  | ROENNE TWR<br>118.330<br>ROENNE TOWER  |
| RONNEBY TMA<br><br>Established during<br>operational hours of<br>RONNEBY TWR.  | 564120N 0150658E - 563930N 0155030E -<br>562309N 0160529E - 561140N 0153839E -<br>555430N 0153349E - 555810N 0144850E -<br>563333N 0145350E - 564120N 0150658E   | FL 095<br>1500 ft AMSL<br>Class C        | RONNEBY APP<br>128.450<br>RONNEBY APPROACH   |



| Restricted areas          |   |                               |   |
|---------------------------|---|-------------------------------|---|
| Identification Name       | Lateral limits  | Vertical limits               | Remarks (nature of hazard, permission unit, time of activity)   |
| ES R115<br>FULUFJÄLLET    | 614034N 0123741E - 613440N 0125503E -<br>612435N 0125531E - 612316N 0124941E -<br>Swedish/Norwegian border northward to<br>613407N 0123125E - 613932N 0123015E -<br>614034N 0123741E  | FL 70<br>-----<br>GND         | Nationalpark.<br>Särskilda tillstånd från<br>Transportstyrelsen krävs förutom för<br>operatörer som specificeras i ENR 5.1<br>punkt 2.4.2.<br><br>National Park.<br>Special permission by Swedish<br>Transport Agency is required, except<br>for operators specified in ENR 5.1 para<br>2.4.2.  |
| ES R116<br>FÄRNEBOFJÄRDEN | 601744N 0165024E - 601731N 0165238E -<br>601631N 0165258E - 601547N 0165447E -<br>601422N 0165346E - 601540N 0165139E -<br>601500N 0164941E - 601318N 0165159E -<br>601030N 0164634E - 600840N 0164855E -<br>600553N 0164327E - 600753N 0164141E -<br>600852N 0164422E - 601143N 0164211E -<br>601100N 0163917E - 601120N 0163832E -<br>601159N 0164139E - 601303N 0164125E -<br>601408N 0164506E - 601251N 0164744E -<br>601715N 0164841E - 601744N 0165024E | 1200 ft AMSL<br>-----<br>GND  | Nationalpark.<br>Särskilda tillstånd från<br>Transportstyrelsen krävs förutom för<br>operatörer som specificeras i ENR 5.1<br>punkt 2.4.2.<br><br>National Park.<br>Special permission by Swedish<br>Transport Agency is required, except<br>for operators specified in ENR 5.1 para<br>2.4.2.  |
| ES R117<br>NYNÅSHAMN      | A circle with radius 1000 m centred on<br>585523N 0175804E  | 1400 ft AMSL<br>-----<br>GND  | Oljeraffineri. Särskilda tillstånd från<br>Transportstyrelsen krävs förutom för<br>UAS-verksamhet som genomförs av<br>Nynas AB upp till 120 m GND, eller<br>operatörer som framgår av ENR 5.1<br>punkt 2.4.1.<br><br>Oil refinery. Special permission by<br>Swedish Transport Agency is required,<br>except for UAS-operations conducted<br>by Nynas AB up to 120 m GND or<br>operators specified in ENR 5.1 para<br>2.4.1. |
| ES R118<br>TÄRNÖ NORTH    | 560659N 0150449E - 560416N 0152349E -<br>555759N 0152749E - 555429N 0153349E -<br>555810N 0144850E - 560629N 0145819E -<br>560659N 0150449E   | 40500 ft AMSL<br>-----<br>GND | Militär verksamhet inklusive<br>flygverksamhet.<br>Tillstånd kan erhållas från MALMÖ<br>ACC och RONNEBY ATS.<br><br>Military activities including aviation<br>operations.<br>Permission obtainable from MALMÖ<br>ACC and RONNEBY ATS.   |

| Restricted areas      |  |                           |   |
|-----------------------|--|---------------------------|---|
| Identification Name   | Lateral limits   | Vertical limits           | Remarks (nature of hazard, permission unit, time of activity)   |
| ES R119<br>TÄRNÖ WEST | 555810N 0144850E - 555629N 0150949E -<br>555353N 0150949E - 555354N 0150930E -<br>555333N 0150905E - 555312N 0150840E -<br>555252N 0150813E - 555233N 0150744E -<br>555214N 0150715E - 555203N 0150658E -<br>555150N 0150635E - 555132N 0150603E -<br>555115N 0150531E - 555059N 0150457E -<br>555043N 0150422E - 555028N 0150346E -<br>555014N 0150310E - 555000N 0150232E -<br>554951N 0150206E - 554939N 0150130E -<br>554927N 0150051E - 554916N 0150011E -<br>554905N 0145931E - 554855N 0145850E -<br>554848N 0145816E - 554843N 0145751E -<br>554835N 0145709E - 554827N 0145626E -<br>554821N 0145543E - 554815N 0145500E -<br>554810N 0145416E - 554807N 0145332E -<br>554804N 0145248E - 554756N 0145019E -<br>554748N 0144756E - 554719N 0144531E -<br>554648N 0144302E - 554617N 0144032E -<br>554609N 0143949E - 554959N 0143949E -<br>555810N 0144850E | 40500 ft AMSL<br>—<br>GND | Militär verksamhet inklusive flygverksamhet.<br>Tillstånd kan erhållas från MALMÖ ACC och RONNEBY ATS.<br><br>Military activities including aviation operations.<br>Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R120<br>TÄRNÖ EAST | 555629N 0150949E - 555359N 0153949E -<br>554452N 0153949E - 554452N 0153945E -<br>554455N 0153901E - 554459N 0153817E -<br>554504N 0153733E - 554509N 0153650E -<br>554516N 0153607E - 554523N 0153524E -<br>554531N 0153442E - 554540N 0153401E -<br>554550N 0153320E - 554600N 0153239E -<br>554612N 0153200E - 554624N 0153121E -<br>554637N 0153042E - 554650N 0153005E -<br>554705N 0152929E - 554720N 0152853E -<br>554735N 0152818E - 554752N 0152745E -<br>554809N 0152712E - 554827N 0152640E -<br>554835N 0152626E - 555011N 0152345E -<br>555148N 0152103E - 555323N 0151824E -<br>555337N 0151412E - 555348N 0151111E -<br>555353N 0150949E - 555629N 0150949E   | 40500 ft AMSL<br>—<br>GND | Militär verksamhet inklusive flygverksamhet.<br>Tillstånd kan erhållas från MALMÖ ACC och RONNEBY ATS.<br><br>Military activities including aviation operations.<br>Permission obtainable from MALMÖ ACC and RONNEBY ATS. |
| ES R121<br>REVINGE    | 554629N 0134202E - 553809N 0134045E -<br>553820N 0133819E - 553827N 0133632E -<br>553841N 0132931E - 554052N 0132752E -<br>554607N 0132610E - 554610N 0133616E -<br>554629N 0134202E   | 2000 ft AMSL<br>—<br>GND  | Militär verksamhet inklusive flygverksamhet.<br>Tillstånd kan erhållas från MALMÖ ACC.<br><br>Military activities including aviation operations.<br>Permission obtainable from MALMÖ ACC.                                 |
| ES R121A<br>REVINGE   | 554610N 0133616E - 553841N 0132931E -<br>554052N 0132752E - 554607N 0132610E -<br>554610N 0133616E   | 2000 ft AMSL<br>—<br>GND  | Militär verksamhet inklusive flygverksamhet.<br>Tillstånd kan erhållas från MALMÖ ACC.<br><br>Military activities including aviation operations.<br>Permission obtainable from MALMÖ ACC.                                 |
| ES R121B<br>REVINGE   | 554629N 0134202E - 553809N 0134045E -<br>553820N 0133819E - 553827N 0133632E -<br>553841N 0132931E - 554610N 0133616E -<br>554629N 0134202E  | 2000 ft AMSL<br>—<br>GND  | Militär verksamhet inklusive flygverksamhet.<br>Tillstånd kan erhållas från MALMÖ ACC.<br><br>Military activities including aviation operations.<br>Permission obtainable from MALMÖ ACC.                                 |

| Restricted areas                 |   |                             |   |
|----------------------------------|---|-----------------------------|---|
| Identification Name              | Lateral limits  | Vertical limits             | Remarks (nature of hazard, permission unit, time of activity)   |
| ES R122<br>MUSKÖ                 | 590832N 0181840E - 590058N 0182917E -<br>585458N 0180724E - 585953N 0175447E -<br>590347N 0180524E - 590406N 0180635E -<br>590414N 0180640E - 590450N 0180851E -<br>590832N 0181840E                    | 4000 ft AMSL<br>—<br>GND    | Militär verksamhet inklusive flygverksamhet. Tillstånd kan erhållas från STOCKHOLM ACC.<br><br>Military activities including aviation operations. Permission obtainable from STOCKHOLM ACC.                                 |
| ES R123<br>SANDBY                | 554607N 0132610E - 554052N 0132752E -<br>554115N 0132506E - 554222N 0132320E -<br>554331N 0132412E - 554323N 0132453E -<br>554327N 0132534E - 554355N 0132552E -<br>554409N 0132441E - 554607N 0132610E | 1500 ft AMSL<br>—<br>GND    | Militär verksamhet inklusive flygverksamhet. Tillstånd kan erhållas från MALMÖ ACC.<br><br>Military activities including aviation operations. Permission obtainable from MALMÖ ACC.   |
| ES R200A<br>TORSBY               | 604300N 0133700E - 601400N 0135100E -<br>601400N 0130200E - 602800N 0125000E -<br>604300N 0133700E  | FL 195<br>—<br>5000 ft AMSL | Segelflygning i moln. Tillstånd att passera ges av STOCKHOLM ACC. Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3. |
| ES R200B<br>TORSBY               | 604600N 0142000E - 601400N 0144700E -<br>601400N 0135100E - 604300N 0133700E -<br>604600N 0142000E  | FL 195<br>—<br>5000 ft AMSL | Segelflygning i moln. Tillstånd att passera ges av STOCKHOLM ACC. Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds. Permission to cross shall be obtained from STOCKHOLM ACC. Provisions: See ENR 5.1 para 2.3. |
| ES R204<br>ÄLLEBERG<br>EXTENDED  | 581438N 0134522E - 581059N 0135710E -<br>580202N 0135804E - 574816N 0134800E -<br>574602N 0131157E - 580100N 0131529E -<br>581438N 0134522E   | FL 195<br>—<br>3000 ft AMSL | Segelflygning i moln. Tillstånd att passera ges av MALMÖ ACC. Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC. Provisions: See ENR 5.1 para 2.3.         |
| ES R204A<br>ÄLLEBERG<br>EXTENDED | 581438N 0134522E - 581059N 0135710E -<br>580202N 0135804E - 575454N 0135254E -<br>580100N 0131529E - 581438N 0134522E   | FL 195<br>—<br>3000 ft AMSL | Segelflygning i moln. Tillstånd att passera ges av MALMÖ ACC. Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds. Permission to cross shall be obtained from MALMÖ ACC. Provisions: See ENR 5.1 para 2.3.         |

| <b>Restricted areas</b>          |   |                        |   |
|----------------------------------|---|------------------------|---|
| Identification Name              | Lateral limits  | Vertical limits        | Remarks (nature of hazard, permission unit, time of activity)   |
| ES R204B<br>ÄLLEBERG<br>EXTENDED | 580100N 0131529E - 575454N 0135254E -<br>574816N 0134800E - 574602N 0131157E -<br>580100N 0131529E                    | FL 195<br>3000 ft AMSL | Segelflygning i moln.<br>Tillstånd att passera ges av MALMÖ ACC.<br>Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds.<br>Permission to cross shall be obtained from MALMÖ ACC.<br>Provisions: See ENR 5.1 para 2.3.         |
| ES R208<br>KATRINEHOLM           | 590400N 0154600E - 590400N 0160900E -<br>585400N 0160900E - 584300N 0151000E -<br>584900N 0151000E - 590400N 0154600E | FL 195<br>3000 ft AMSL | Segelflygning i moln.<br>Tillstånd att passera ges av STOCKHOLM ACC.<br>Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds.<br>Permission to cross shall be obtained from STOCKHOLM ACC.<br>Provisions: See ENR 5.1 para 2.3. |
| ES R208A<br>KATRINEHOLM          | 590113N 0153920E - 584828N 0153920E -<br>584300N 0151000E - 584900N 0151000E -<br>590113N 0153920E                    | FL 195<br>3000 ft AMSL | Segelflygning i moln.<br>Tillstånd att passera ges av STOCKHOLM ACC.<br>Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds.<br>Permission to cross shall be obtained from STOCKHOLM ACC.<br>Provisions: See ENR 5.1 para 2.3. |
| ES R208B<br>KATRINEHOLM          | 590400N 0154600E - 590400N 0160900E -<br>585400N 0160900E - 584828N 0153920E -<br>590113N 0153920E - 590400N 0154600E | FL 195<br>3000 ft AMSL | Segelflygning i moln.<br>Tillstånd att passera ges av STOCKHOLM ACC.<br>Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds.<br>Permission to cross shall be obtained from STOCKHOLM ACC.<br>Provisions: See ENR 5.1 para 2.3. |
| ES R209A<br>BORLÄNGE             | 610000N 0154800E - 610000N 0165000E -<br>603317N 0165000E - 605059N 0153802E -<br>610000N 0154800E                    | FL 195<br>3000 ft AMSL | Segelflygning i moln.<br>Tillstånd att passera ges av STOCKHOLM ACC.<br>Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds.<br>Permission to cross shall be obtained from STOCKHOLM ACC.<br>Provisions: See ENR 5.1 para 2.3. |
| ES R209B<br>BORLÄNGE             | 605059N 0153802E - 603317N 0165000E -<br>601200N 0165000E - 604100N 0152700E -<br>605059N 0153802E                    | FL 195<br>3000 ft AMSL | Segelflygning i moln.<br>Tillstånd att passera ges av STOCKHOLM ACC.<br>Bestämmelser: Se ENR 5.1 punkt 2.3.<br><br>Soaring in clouds.<br>Permission to cross shall be obtained from STOCKHOLM ACC.<br>Provisions: See ENR 5.1 para 2.3. |

| Restricted areas    |   |                       |  |
|---------------------|---|-----------------------|--|
| Identification Name | Lateral limits  | Vertical limits       | Remarks (nature of hazard, permission unit, time of activity)  |
| ES R210<br>HEDLANDA | A circle with radius 22 NM centred on<br>622603N 0133224E | FL 195<br><hr/> FL 95 | VFR Segelflygområde upprättas<br>1 MAR-31 OKT.<br>Tillstånd för passage ska inhämtas<br>från STOCKHOLM ACC.<br><br>VFR soaring area established<br>1 MAR-31 OCT.<br>Permission to cross shall be obtained<br>from STOCKHOLM ACC. |

**3 Farliga områden****3.1 Allmänt**

3.1.1 Farliga områden finns upprättade för att skydda luftfartyg från risker till följd av skjutning från marken och från luften, bombfällning, sprängning, målbogsering, verksamhet med obemannat luftfartygssystem (UAS) och annan för luftfart farlig verksamhet.

3.1.2 Farligt område är upprättat H24 om inte annat anges.

3.1.3 Flygning i farligt område bör av flygsäkerhetsskäl undvikas, om inte befälhavaren har förvissat sig om att flygning inom området kan ske utan risk.

*Anm. Förutom risk för flygsäkerheten kan flygning i farligt område orsaka icke önskvärda störningar av och avbrott i pågående verksamhet inom området.*

*Anm. När förhållandena eller arten av verksamhet så kräver, kan föreskrifter utfärdas om hur fara skall undvikas.*

3.1.4 Upplysning om pågående farlig verksamhet (skjutning, sprängning) kan inhämtas från den enhet som anges i kolumn 4 i förteckningen över farliga områden.

3.1.5 Sammanfaller farligt område eller del av detta med kontrollerat luftrum, innebär klarering för flygning i det kontrollerade luftrummet även att flygning kan ske utan risk inom av klareringens berörd del av det farliga området.

**3.2 Område inom vilket skjutning från marken förekommer**

3.2.1 Utöver de risker som orsakas av skjutningen som sådan kan stor kollisionsrisk samtidigt föreligga till följd av flygning med bogserat luftmål inom området. Bogserlinan, som är nästan osynlig i luften, är normalt 600 – 1500 m (2000 – 5000 ft) men i undantagsfall upp till 4500 m (14800 ft) lång. Det bogserade målet ligger vanligen 150 – 300 m (500 – 1000 ft) men i undantagsfall upp till 750 m (2500 ft) under bogserflygplanet.

**3.3 Område inom vilket skjutning från luftfartyg mot luftmål förekommer**

3.3.1 Vid skjutning mot luftmål förekommer flygning med bogserat luftmål (se punkt 3.2.1) eller flygning med målrobot. Detta bör beaktas även om skjutning tillfälligt har avbrutits.

**3.4 Dagbrott**

3.4.1 Vid överflygning av dagbrott finns risk för tryckvågor och sprängsplitter.

**3.5 Tillfälliga farliga områden**

3.5.1 Tillfälligt upprättade farliga områden publiceras genom AIP Supplement och/eller NOTAM.

**3 Danger areas****3.1 General**

3.1.1 Danger areas are established to protect aircraft from risks caused by firing (ground-to-ground, ground-to-air, air-to-air, air-to-ground), bombing, blasting, target towing, operations with unmanned aircraft system (UAS) and other activities hazardous to aircraft in flight.

3.1.2 Danger areas are established H24 unless otherwise specified.

3.1.3 On flight safety grounds, flight within danger areas should be avoided unless the pilot-in-command has ascertained that the area can be penetrated at no risk.

*Note. Apart from encountering hazards to flight safety, flight within danger areas may cause undesirable interferences in and interruptions of the activity in progress within the area.*

*Note. When the conditions or the type of activity warrant it, provisions may be promulgated as to the avoidance of the hazards.*

3.1.4 Information on dangerous activities in progress (firing, blasting) can be obtained from the unit specified in column 4 in the list of danger areas.

3.1.5 If a danger area or portion thereof coincides with a controlled airspace, an ATC clearance pertaining to this controlled airspace also implies that flight can be carried out at no risk within that portion of the danger area concerned by the clearance.

**3.2 Areas where ground firing is being practised**

3.2.1 In addition to the risks caused by the firing as such, a considerable collision hazard may exist owing to target-towing flights within the area. The tow-cable, being almost invisible in the air, is normally 600 – 1500 m (2000 – 5000 ft) but exceptionally up to 4500 m (14800 ft) long. The target being towed is usually 150 – 300 m (500 – 1000 ft) but exceptionally up to 750 m (2500 ft) below the towing aircraft.

**3.3 Areas where air-to-air firing is being practised**

3.3.1 In connection with air-to-air firing, target-towing flights (see para 3.2.1) or target missile flights may be carried out. This fact should be considered also when the firing activity has been temporarily interrupted.

**3.4 Surface quarries**

3.4.1 Aircraft overflying surface quarries are vulnerable to shock-waves and splinters.

**3.5 Temporary danger areas**

3.5.1 Temporary danger areas will be promulgated by AIP Supplement and/or NOTAM.

## 3.6 Flight Plan Buffer Zone (FBZ)

FBZ är etablerade enbart med hänsyn till färdplanering. Det är tillåtet att färdplanera fram till gränsen av FBZ när dessa är aktiva. I rutt-beskrivningen i fält 15 ska hänsyn tas till den nominella storcirkeln mellan två punkter i färdplanen. När ett område är aktiverat ska FBZ koordinater användas för IFR färdplanering.

## 3.7 Område inom vilket flygning sker med obemannade luftfartyg.

3.7.1 Upplysning om pågående verksamhet med obemannat luftfartyg kan inhämtas från den enhet som anges i kolumn 4 i förteckningen över farliga områden.

## 3.8 Förteckning över farliga områden / List of danger areas

## 3.6 Flight Plan Buffer Zone (FBZ)

FBZ has been established for IFR flight planning purposes only. Flight plans can be filed up to the boundary of the FBZ when active. The route described in item 15 shall consider the nominal track between two points according to the great circle. When an area is activated use FBZ coordinates for IFR flight planning.

## 3.7 Area where operations with unmanned aircraft systems takes place.

3.7.1 Information about on-going activities with unmanned aircraft systems can be obtained from the unit specified in column 4 in the list of danger areas.

| Danger areas              |  |                           |  |
|---------------------------|--|---------------------------|--|
| Identification Name       | Lateral limits   | Vertical limits           | Remarks (nature of hazard, permission unit, time of activity)  |
| ES D138<br>BORNHOLM NORTH | 552959N 0151449E - 552959N 0154949E -<br>551959N 0154949E - 550300N 0151449E -<br>552959N 0151449E | 20000 ft AMSL<br>—<br>GND | <p>AMC Manageable Area.<br/>Se punkt 3.1.1.<br/>Begäran om nyttjande lämnas 7 dagar innan start till AMC SWEDEN, via e-post till <a href="mailto:amc.sweden@lfv.se">amc.sweden@lfv.se</a>, med begärd tid, höjd, användare och typ av aktivitet.<br/>Planerade aktiviteter kommer att meddelas på NOTAM.<br/>Förhandsinformation om aktivitet kan erhållas av AMC SWEDEN, H24, TEL +46 (0)40 613 27 01.<br/>Information om pågående verksamhet kan erhållas av MALMÖ ACC.<br/>Under skjutningen kommer området att övervakas med radar. Rutter eller nivåer som är fria från området kommer att anvisas av MALMÖ ACC.</p> <p>AMC Manageable Area.<br/>See para 3.1.1.<br/>Request for allocation to be submitted 7 days prior to AMC SWEDEN, via e-mail to <a href="mailto:amc.sweden@lfv.se">amc.sweden@lfv.se</a>, stating requested HR, levelband, intended user and confirmation of type of activity.<br/>Planned activities will be notified by NOTAM.<br/>Pre-flight Information about activity can be obtained by AMC SWEDEN, H24, TEL +46 (0)40 613 27 01.<br/>In-flight information can be obtained by MALMÖ ACC.<br/>During firing the area will be surveilled by radar. Routes or levels that are free of the area will be assigned by MALMÖ ACC.</p> |

| Danger areas             |   |                           |   |
|--------------------------|---|---------------------------|---|
| Identification Name      | Lateral limits  | Vertical limits           | Remarks (nature of hazard, permission unit, time of activity)   |
| ES D139<br>BORNHOLM EAST | 551959N 0154949E - 545500N 0154949E -<br>545500N 0151449E - 550300N 0151449E -<br>551959N 0154949E                    | 50000 ft AMSL<br>—<br>GND | <p>AMC Manageable Area.<br/>Se punkt 3.1.1.<br/>Begäran om nyttjande lämnas 7 dagar innan start till AMC SWEDEN, via e-post till amc.sweden@lfv.se, med begärd tid, höjd, användare och typ av aktivitet.<br/>Planerade aktiviteter kommer att meddelas på NOTAM.<br/>Förhandsinformation om aktivitet kan erhållas av AMC SWEDEN, H24, TEL +46 (0)40 613 27 01.<br/>Information om pågående verksamhet kan erhållas av MALMÖ ACC.<br/>Under skjutningen kommer området att övervakas med radar. Rutter eller nivåer som är fria från området kommer att anvisas av MALMÖ ACC.</p> <p>AMC Manageable Area<br/>See para 3.1.1.<br/>Request for allocation to be submitted 7 days prior to AMC SWEDEN, via e-mail to amc.sweden@lfv.se, stating requested HR, levelband, intended user and confirmation of type of activity.<br/>Planned activities will be notified by NOTAM.<br/>Pre-flight Information about activity can be obtained by AMC SWEDEN, H24, TEL +46 (0)40 613 27 01.<br/>In-flight information can be obtained by MALMÖ ACC.<br/>During firing the area will be surveilled by radar. Routes or levels that are free of the area will be assigned by MALMÖ ACC.</p> |
| ES D155<br>AITIK         | 670541N 0205825E - 670315N 0205943E -<br>670254N 0205539E - 670521N 0205405E -<br>670541N 0205825E                    | 4000 ft AMSL<br>—<br>GND  | <p>Sprängning/Dagbrott.<br/>Information om aktivitet ges av Boliden Mineral,<br/>TEL +46 (0)910 77 40 71.</p> <p>Blasting/Surface quarry.<br/>Information about activity obtainable from Boliden Mineral,<br/>TEL +46 (0)910 77 40 71.</p>  |
| ES D160<br>SKAGEN        | 582458N 0103451E - 582458N 0104221E -<br>581528N 0105051E - 575358N 0110251E -<br>575358N 0110051E - 582458N 0103451E | 40500 ft AMSL<br>—<br>GND | <p>Se punkt 3.1.1.<br/>Information om pågående verksamhet kan erhållas av MALMÖ ACC.</p> <p>See para 3.1.1.<br/>Information about activity obtainable from MALMÖ ACC.</p>   |
| ES D171<br>HÄRNÖN EAST   | 623836N 0183946E - 622656N 0183946E -<br>622656N 0182046E - 623836N 0183946E  | 40500 ft AMSL<br>—<br>GND | <p>Se punkt 3.1.1.<br/>Information om pågående verksamhet kan erhållas av STOCKHOLM ACC.</p> <p>See para 3.1.1.<br/>Information about activity obtainable from STOCKHOLM ACC.</p>   |



| Danger areas                          |   |                           |  |
|---------------------------------------|---|---------------------------|--|
| Identification Name                   | Lateral limits  | Vertical limits           | Remarks (nature of hazard, permission unit, time of activity)  |
| ES D175A<br>KOPPARSTENARNA            | 584023N 0183024E - 583304N 0184849E -<br>581813N 0180542E - 582943N 0175817E -<br>583243N 0181147E - 584023N 0183024E   | 40500 ft AMSL<br>—<br>GND | Se punkt 3.1.1.<br>Information om pågående verksamhet kan erhållas av STOCKHOLM ACC eller MALMÖ ACC.<br><br>See para 3.1.1.<br>Information about activity obtainable from STOCKHOLM ACC or MALMÖ ACC.  |
| ES D175B<br>KOPPARSTENARNA            | 585408N 0190132E - 583635N 0185912E -<br>583304N 0184849E - 584023N 0183024E -<br>584828N 0185017E - 585408N 0190132E   | 40500 ft AMSL<br>—<br>GND | Se punkt 3.1.1.<br>Information om pågående verksamhet kan erhållas av STOCKHOLM ACC eller MALMÖ ACC.<br><br>See para 3.1.1.<br>Information about activity obtainable from STOCKHOLM ACC or MALMÖ ACC.  |
| ES D175C<br>KOPPARSTENARNA            | 585408N 0190132E - 584328N 0191947E -<br>583635N 0185912E - 585408N 0190132E  | 40500 ft AMSL<br>—<br>GND | Se punkt 3.1.1.<br>Information om pågående verksamhet kan erhållas av STOCKHOLM ACC eller MALMÖ ACC.<br><br>See para 3.1.1.<br>Information about activity obtainable from STOCKHOLM ACC or MALMÖ ACC.  |
| ES D177<br>KÅGE                       | A circle with radius 2000 m centred on<br>645525N 0203544E  | 4000 ft AMSL<br>—<br>GND  | Sprängning/Dagbrott.<br>Information om aktivitet ges av Mandalay Resources Björkdalsgruvan AB,<br>TEL +46 (0)910 725 750.<br><br>Blasting/surface quarry.<br>Information about activity obtainable from Mandalay Resources Björkdalsgruvan AB, TEL +46 (0)910 725 750.                 |
| ES D178<br>SALA                       | A circle with radius 500 m centred on<br>595430N 0163359E   | 4500 ft AMSL<br>—<br>GND  | Sprängning/Dagbrott.<br>Information om aktivitet ges av Björka Mineral AB,<br>TEL +46 (0)768 23 75 02 eller<br>+46 (0)224 563 92.<br><br>Blasting/Surface quarry.<br>Information about activity obtainable from Björka Mineral AB,<br>TEL +46 (0)768 23 75 02 or<br>+46 (0)224 563 92. |
| ES D179<br>GRUVBERGET/<br>SVAPPAVAARA | 673931N 0205916E - 673931N 0210004E -<br>673926N 0210029E - 673917N 0210051E -<br>673812N 0210228E - 673732N 0210138E -<br>673746N 0210022E - 673845N 0205820E -<br>673902N 0205812E - 673920N 0205830E -<br>673931N 0205916E | 3000 ft AMSL<br>—<br>GND  | Sprängning/Dagbrott.<br>Information om aktivitet ges av LKAB,<br>TEL +46 (0)980 710 01.<br><br>Blasting/Surface quarry.<br>Information about activity obtainable from LKAB,<br>TEL +46 (0)980 710 01.  |

| Danger areas                |  |                          |  |
|-----------------------------|--|--------------------------|--|
| Identification Name         | Lateral limits   | Vertical limits          | Remarks (nature of hazard, permission unit, time of activity)  |
| ES D180<br>KAUNISVAARA      | 672633N 0231821E - 672539N 0232407E -<br>672333N 0232110E - 672426N 0231551E -<br>672633N 0231821E   | 4500 ft AMSL<br>—<br>GND | Sprängning/Dagbrott.<br>Information om aktivitet ges av Kaunis Iron,<br>TEL +46 (0)70 377 35 22.<br><br>Blasting/Surface quarry.<br>Information about activity obtainable from Kaunis Iron,<br>TEL +46 (0)70 377 35 22.  |
| ES D181<br>MERTAINEN-KIRUNA | A circle with radius 1 NM centred on<br>674222N 0204717E   | 4000 ft AMSL<br>—<br>GND | Sprängning/Dagbrott.<br>Upprättat dagligen 0600-2100 (0500-2000).<br>Information om aktivitet ges av LKAB,<br>TEL +46 (0)705 435 253.<br><br>Blasting/Surface quarry.<br>Established daily 0600-2100 (0500-2000).<br>Information about activity obtainable from LKAB,<br>TEL +46 (0)705 435 253.   |
| ES D182<br>SATTAVAARA       | A circle with radius 2000 m centred on<br>675247N 0210353E   | UNL<br>—<br>GND          | Verksamhet med laser.<br>Information om aktivitet ges av KIRUNA ATS eller STOCKHOLM ACC.<br><br>Laser activity.<br>Information about activity obtainable from KIRUNA ATS or STOCKHOLM ACC.   |
| ES D184<br>BOTHNIA NORTH    | 652809N 0231158E - 652233N 0235437E -<br>644100N 0225500E - 635829N 0215742E -<br>635829N 0211550E - 650137N 0220919E -<br>645832N 0222344E - 652626N 0230143E -<br>652809N 0231158E | FL 660<br>—<br>SFC       | AMC Manageable Area<br>Området får användas för gränsöverskridande operationer tillsammans med angränsande område i Helsinki FIR enligt avtal med Sverige och Finland mellan FL95 och FL660. Planerade aktiviteter kommer att meddelas av eAUP.<br>Information om aktivitet fås från STOCKHOLM ACC.<br><br>AMC Manageable Area<br>The area may be used for cross border operations together with adjacent area in Helsinki FIR in accordance with agreements with Sweden and Finland between FL95 and FL660. Planned activities will be notified by eAUP.<br>Information about activity obtainable from STOCKHOLM ACC. |
| ES D184Z<br>BOTHNIA NORTH   | 653120N 0231140E - 652509N 0235847E -<br>644100N 0225500E - 635529N 0215433E -<br>635529N 0210601E - 650550N 0220520E -<br>650229N 0222056E - 652849N 0225641E -<br>653120N 0231140E | FL 660<br>—<br>SFC       | Endast för färdplanering IFR.<br><br>For IFR flight planning purposes only.  |

| Danger areas              |  |                               |  |
|---------------------------|--|-------------------------------|--|
| Identification Name       | Lateral limits   | Vertical limits               | Remarks (nature of hazard, permission unit, time of activity)  |
| ES D185<br>BOTHNIA SOUTH  | 635829N 0215742E - 633700N 0213000E -<br>633619N 0212603E - 634224N 0210302E -<br>635829N 0211550E - 635829N 0215742E  | FL 660<br>-----<br>SFC        | AMC Manageable Area<br>Området får användas för gränsöverskridande operationer tillsammans med angränsande område i Helsinki FIR enligt avtal med Sverige och Finland mellan FL95 och FL660. Planerade aktiviteter kommer att meddelas av eAUP.<br>Information om aktivitet fås från STOCKHOLM ACC.<br><br>AMC Manageable Area<br>The area may be used for cross border operations together with adjacent area in Helsinki FIR in accordance with agreements with Sweden and Finland between FL95 and FL660. Planned activities will be notified by eAUP.<br>Information about activity obtainable from STOCKHOLM ACC. |
| ES D185Z<br>BOTHNIA SOUTH | 640129N 0211059E - 640129N 0220231E -<br>633700N 0213000E - 633458N 0211759E -<br>634105N 0205449E - 640129N 0211059E  | FL 660<br>-----<br>SFC        | Endast för färdplanering IFR.<br><br>For IFR flight planning purposes only.  |
| ES D188<br>HANÖ WEST      | 555354N 0150930E - 555353N 0150949E -<br>553959N 0150949E - 553959N 0143949E -<br>554609N 0143949E - 554617N 0144032E -<br>554648N 0144302E - 554719N 0144531E -<br>554748N 0144756E - 554756N 0145019E -<br>554804N 0145248E - 554807N 0145332E -<br>554810N 0145416E - 554815N 0145500E -<br>554821N 0145543E - 554827N 0145626E -<br>554835N 0145709E - 554843N 0145751E -<br>554848N 0145816E - 554855N 0145850E -<br>554905N 0145931E - 554916N 0150011E -<br>554927N 0150051E - 554939N 0150130E -<br>554951N 0150206E - 555000N 0150232E -<br>555014N 0150310E - 555028N 0150346E -<br>555043N 0150422E - 555059N 0150457E -<br>555115N 0150531E - 555132N 0150603E -<br>555150N 0150635E - 555203N 0150658E -<br>555214N 0150715E - 555233N 0150744E -<br>555252N 0150813E - 555312N 0150840E -<br>555333N 0150905E - 555354N 0150930E | 40500 ft AMSL<br>-----<br>GND | Se punkt 3.1.1.<br>Information om pågående verksamhet kan erhållas av MALMÖ ACC.<br><br>See para 3.1.1.<br>Information about activity obtainable from MALMÖ ACC.   |
| ES D189<br>HANÖ EAST      | 555353N 0150949E - 555348N 0151111E -<br>555337N 0151412E - 555323N 0151824E -<br>555148N 0152103E - 555011N 0152345E -<br>554835N 0152626E - 554827N 0152640E -<br>554809N 0152712E - 554752N 0152745E -<br>554735N 0152818E - 554720N 0152853E -<br>554705N 0152929E - 554650N 0153005E -<br>554637N 0153042E - 554624N 0153121E -<br>554612N 0153200E - 554600N 0153239E -<br>554550N 0153320E - 554540N 0153401E -<br>554531N 0153442E - 554523N 0153524E -<br>554516N 0153607E - 554509N 0153650E -<br>554504N 0153733E - 554459N 0153817E -<br>554455N 0153901E - 554452N 0153945E -<br>554452N 0153949E - 553959N 0153949E -<br>553959N 0150949E - 555353N 0150949E   | 40500 ft AMSL<br>-----<br>GND | Se punkt 3.1.1.<br>Information om pågående verksamhet kan erhållas av MALMÖ ACC.<br><br>See para 3.1.1.<br>Information about activity obtainable from MALMÖ ACC.   |

| <b>Danger areas</b>  |  |                              |   |
|----------------------|--|------------------------------|---|
| Identification Name  | Lateral limits   | Vertical limits              | Remarks (nature of hazard, permission unit, time of activity)   |
| ES D190<br>KATTEGATT | 574000N 0111251E - 573030N 0112631E -<br>573030N 0112046E - 574000N 0111251E   | 9000 ft AMSL<br>—————<br>GND | Se punkt 3.1.1.<br>Information om pågående verksamhet kan erhållas av MALMÖ ACC eller LANDVETTER ATS.<br><br>See para 3.1.1.<br>Information about activity obtainable from MALMÖ ACC or LANDVETTER ATS.   |
| ES D191<br>TVETA     | 590956N 0173653E - 590949N 0173806E -<br>590941N 0173802E - 590929N 0173808E -<br>590923N 0173751E - 590918N 0173656E -<br>590926N 0173625E - 590942N 0173647E -<br>590956N 0173653E | 1100 ft AMSL<br>—————<br>GND | Sprängning/Dagbrott<br>MÅN-ONS 0500-1730 (0400-1630).<br>TOR 0500-1300 (0400-1200)<br>Information om aktivitet ges av PEAB Anläggning AB, TEL +46 (0)73 337 62 00.<br><br>Blasting/Surface quarry<br>MON-WED 0500-1730 (0400-1630).<br>THU 0500-1300 (0400-1200)<br>Information about activity obtainable from PEAB Anläggning AB, TEL +46 (0)73 337 62 00. |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                      |                      |              |            |                    |                    |
|---|-------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 8469  | STORA ISTAD          | 565619.8N 0164924.8E | 390          | 433        | F R                | Wind turbine       |
|   | 8470  | STORA ISTAD          | 565611.1N 0164913.2E | 390          | 433        | F R                | Wind turbine       |
|   | 8471  | STORA ISTAD          | 565602.6N 0164901.7E | 390          | 430        | F R                | Wind turbine       |
|   | 8472  | STORA ISTAD          | 565553.9N 0164850.1E | 390          | 430        | F R                | Wind turbine       |
|   | 8662  | SÖDERÅKRA            | 562546.8N 0160227.1E | 328          | 371        | F R                | Wind turbine       |
|   | 9009  | BREDSÄTTRA           | 565042.7N 0165115.4E | 328          | 341        | F R                | Wind turbine       |
|   | 9136  | BORGHOLM             | 565231.9N 0164821.9E | 331          | 381        | F R                | Wind turbine       |
|   | 9137  | BORGHOLM             | 565240.8N 0164821.8E | 331          | 381        | F R                | Wind turbine       |
|   | 9138  | BORGHOLM             | 565249.7N 0164821.7E | 331          | 387        | F R                | Wind turbine       |
|   | 9139  | BORGHOLM             | 565258.5N 0164821.5E | 331          | 389        | F R                | Wind turbine       |
|   | 9275  | BLOMSTERMÅLA         | 565826.6N 0161135.3E | 331          | 542        | F R                | Mast               |
|   | 9435  | PÅBODA               | 562547.4N 0160517.2E | 463          | 489        | FLG R              | Wind turbine       |
|   | 9436  | PÅBODA               | 562559.1N 0160511.4E | 463          | 489        | FLG R              | Wind turbine       |
|   | 9457  | GÄRDSLÖSA            | 564712.4N 0164255.6E | 390          | 466        | FLG R              | Wind turbine       |
|   | 9458  | GÄRDSLÖSA            | 564725.8N 0164255.9E | 390          | 459        | FLG R              | Wind turbine       |
|   | 9459  | GÄRDSLÖSA            | 564739.2N 0164256.3E | 390          | 459        | FLG R              | Wind turbine       |
|   | 9469  | GÄRDSLÖSA            | 564753.2N 0164256.7E | 390          | 463        | FLG R              | Wind turbine       |
|   | 9470  | GÄRDSLÖSA            | 564806.0N 0164257.0E | 394          | 472        | FLG R              | Wind turbine       |
|   | 9505  | BORGHOLM             | 565223.1N 0164822.0E | 331          | 387        | F R                | Wind turbine       |
|   | 9813  | BREDSÄTTRA / LÅNGÖRE | 565053.3N 0165111.3E | 328          | 344        | FLG R              | Wind turbine       |
|   | 9828  | BREDSÄTTRA           | 565102.8N 0165107.8E | 328          | 341        | FLG R              | Wind turbine       |
|   | 9933  | BLOMSTERMÅLA         | 565729.9N 0161517.8E | 492          | 643        | FLG R              | Wind turbine       |
|   | 9934  | BLOMSTERMÅLA         | 565742.8N 0161411.8E | 492          | 673        | FLG R              | Wind turbine       |
|   | 9935  | BLOMSTERMÅLA         | 565725.5N 0161424.1E | 492          | 673        | FLG R              | Wind turbine       |
|   | 9936  | BLOMSTERMÅLA         | 565713.0N 0161522.1E | 492          | 659        | FLG R              | Wind turbine       |
|   | 9937  | BLOMSTERMÅLA         | 565704.2N 0161432.3E | 492          | 660        | FLG R              | Wind turbine       |
|   | 9938  | BLOMSTERMÅLA         | 565627.6N 0161412.2E | 492          | 659        | FLG R              | Wind turbine       |
|   | 9939  | BLOMSTERMÅLA         | 565650.2N 0161411.7E | 492          | 633        | FLG R              | Wind turbine       |
|   | 9940  | BLOMSTERMÅLA         | 565642.6N 0161445.4E | 492          | 646        | FLG R              | Wind turbine       |
|   | 10071 | STORA ISTAD          | 565545.8N 0164839.2E | 397          | 432        | FLG R              | Wind turbine       |
|   | 10073 | STORA ISTAD          | 565528.1N 0164815.3E | 397          | 436        | FLG R              | Wind turbine       |
|   | 10111 | GÄRDSLÖSA            | 564659.3N 0164255.3E | 390          | 466        | FLG R              | Wind turbine       |
|   | 10171 | RÅLLA                | 564432.7N 0163425.2E | 390          | 535        | FLG R              | Wind turbine       |
|   | 10172 | HÖGSRUM              | 564442.3N 0163441.9E | 394          | 530        | FLG R              | Wind turbine       |
|   | 10173 | RÅLLA                | 564451.4N 0163457.8E | 390          | 525        | FLG R              | Wind turbine       |
|   | 10174 | RÅLLA                | 564501.4N 0163515.1E | 394          | 530        | FLG R              | Wind turbine       |
|   | 10175 | RÅLLA                | 564510.8N 0163531.4E | 390          | 531        | FLG R              | Wind turbine       |
|   | 10426 | BORGHOLM             | 565008.1N 0164111.5E | 410          | 499        | FLG R              | Wind turbine       |
|   | 10427 | BORGHOLM             | 565020.7N 0164115.2E | 410          | 502        | FLG R              | Wind turbine       |
|   | 10428 | BORGHOLM             | 565033.8N 0164119.1E | 410          | 499        | FLG R              | Wind turbine       |
|   | 10429 | BORGHOLM             | 565046.7N 0164122.9E | 410          | 492        | FLG R              | Wind turbine       |
|   | 10599 | BLOMSTERMÅLA         | 565819.4N 0161630.2E | 574          | 715        | FLG W              | Wind turbine       |
|   | 10653 | PÅBODA               | 562502.4N 0160332.0E | 328          | 381        | FLG R              | Wind turbine       |
|   | 10656 | SÖDERÅKRA            | 562553.4N 0160243.1E | 328          | 354        | FLG R              | Wind turbine       |
|   | 10768 | VASSMOLÖSA           | 563657.2N 0160919.3E | 476          | 538        | FLG R              | Wind turbine       |
|   | 10769 | VASSMOLÖSA           | 563648.8N 0160859.7E | 476          | 518        | FLG R              | Wind turbine       |
|   | 10770 | VASSMOLÖSA           | 563637.9N 0160845.6E | 476          | 536        | FLG R              | Wind turbine       |
|   | 10771 | VASSMOLÖSA           | 563626.4N 0160834.1E | 476          | 522        | FLG R              | Wind turbine       |
|   | 10772 | VASSMOLÖSA           | 563612.8N 0160836.4E | 476          | 526        | FLG R              | Wind turbine       |
|   | 10782 | BORGHOLM             | 565231.6N 0164755.8E | 394          | 451        | FLG R              | Wind turbine       |
|   | 10783 | BORGHOLM             | 565240.5N 0164755.7E | 394          | 450        | FLG R              | Wind turbine       |
|   | 10784 | BORGHOLM             | 565249.4N 0164755.7E | 394          | 453        | FLG R              | Wind turbine       |
|   | 10785 | BORGHOLM             | 565258.4N 0164755.8E | 394          | 452        | FLG R              | Wind turbine       |
|   | 10786 | BORGHOLM             | 565307.2N 0164755.7E | 394          | 454        | FLG R              | Wind turbine       |
|   | 10857 | ROCKNEBY             | 565022.2N 0161918.7E | 476          | 548        | FLG R              | Wind turbine       |
|   | 10858 | ROCKNEBY             | 565000.0N 0162001.4E | 476          | 552        | FLG R              | Wind turbine       |
|   | 10859 | ROCKNEBY             | 565011.2N 0161939.5E | 476          | 568        | FLG R              | Wind turbine       |
|   | 10860 | ROCKNEBY             | 564939.2N 0162012.5E | 476          | 545        | FLG R              | Wind turbine       |
|   | 10861 | ROCKNEBY             | 564941.4N 0162041.2E | 476          | 541        | FLG R              | Wind turbine       |
|   | 11101 | MORTORP              | 563518.9N 0160134.3E | 492          | 659        | FLG R              | Wind turbine       |
|   | 11102 | MORTORP              | 563502.5N 0160128.3E | 492          | 654        | FLG R              | Wind turbine       |
|   | 11334 | LERKAKA              | 564335.4N 0164140.9E | 410          | 476        | FLG R              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation          | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|----------------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 11335 | LERKAKA              | 564322.5N 0164133.7E     | 410          | 472        | FLG R              | Wind turbine       |
|         | 11336 | LERKAKA              | 564309.7N 0164126.3E     | 410          | 469        | FLG R              | Wind turbine       |
|         | 11337 | LERKAKA              | 564256.7N 0164119.3E     | 410          | 476        | FLG R              | Wind turbine       |
|         | 11338 | LERKAKA              | 564244.0N 0164112.1E     | 410          | 482        | FLG R              | Wind turbine       |
|         | 11675 | MORTORP              | 563514.1N 0160100.4E     | 482          | 647        | FLG R              | Wind turbine       |
|         | 11677 | MORTORP              | 563513.4N 0160202.9E     | 482          | 650        | FLG R              | Wind turbine       |
|         | 11678 | MORTORP              | 563541.5N 0160102.1E     | 482          | 647        | FLG R              | Wind turbine       |
|         | 11679 | MORTORP              | 563528.3N 0160110.9E     | 482          | 659        | FLG R              | Wind turbine       |
|         | 12088 | BERGKVARA            | 562435.7N 0160441.8E     | 492          | 525        | FLG R              | Wind turbine       |
|         | 12089 | TORSÅS               | 562452.2N 0160441.9E     | 492          | 518        | FLG R              | Wind turbine       |
|         | 12524 | BLOMSTERMÅLA         | 565817.9N 0161214.4E     | 627          | 906        | FLG W              | Wind turbine       |
|         | 12525 | BLOMSTERMÅLA         | 565750.0N 0161313.9E     | 627          | 869        | FLG W              | Wind turbine       |
|         | 12526 | BLOMSTERMÅLA         | 565559.8N 0161445.6E     | 627          | 797        | FLG W              | Wind turbine       |
|         | 12527 | BLOMSTERMÅLA         | 565748.2N 0161620.4E     | 627          | 791        | FLG W              | Wind turbine       |
|         | 12528 | BLOMSTERMÅLA         | 565811.1N 0161532.8E     | 627          | 807        | F R                | Wind turbine       |
|         | 12529 | BLOMSTERMÅLA         | 565808.7N 0161437.1E     | 627          | 804        | F R                | Wind turbine       |
|         | 12530 | BLOMSTERMÅLA         | 565841.8N 0161531.8E     | 627          | 807        | F R                | Wind turbine       |
|         | 12531 | BLOMSTERMÅLA         | 565907.0N 0161551.1E     | 627          | 791        | FLG W              | Wind turbine       |
|         | 12532 | BLOMSTERMÅLA         | 565805.7N 0161705.0E     | 627          | 794        | F R                | Wind turbine       |
|         | 12533 | BLOMSTERMÅLA         | 565802.6N 0161818.4E     | 627          | 764        | FLG W              | Wind turbine       |
|         | 12534 | BLOMSTERMÅLA         | 565743.5N 0161854.6E     | 627          | 748        | FLG W              | Wind turbine       |
|         | 12535 | BLOMSTERMÅLA         | 565702.4N 0162000.9E     | 627          | 722        | F R                | Wind turbine       |
|         | 12536 | BLOMSTERMÅLA         | 565638.3N 0162028.6E     | 627          | 725        | FLG W              | Wind turbine       |
|         | 12537 | BLOMSTERMÅLA         | 565708.1N 0162044.8E     | 627          | 715        | FLG W              | Wind turbine       |
|         | 14449 | LJUNGBYHOLM          | 563944.8N 0160110.6E     | 656          | 853        | FLG R              | Wind turbine       |
|         | 14450 | LJUNGBYHOLM          | 563953.4N 0160139.6E     | 656          | 830        | F R                | Wind turbine       |
|         | 14451 | LJUNGBYHOLM          | 563958.5N 0160211.7E     | 656          | 827        | FLG R              | Wind turbine       |
|         | 14452 | LJUNGBYHOLM          | 563951.3N 0160242.9E     | 656          | 810        | F R                | Wind turbine       |
|         | 14453 | LJUNGBYHOLM          | 563934.2N 0160327.4E     | 656          | 807        | FLG W              | Wind turbine       |
|         | 14454 | LJUNGBYHOLM          | 563939.9N 0160407.5E     | 656          | 794        | FLG W              | Wind turbine       |
|         | 14455 | LJUNGBYHOLM          | 563950.2N 0160434.7E     | 656          | 797        | FLG W              | Wind turbine       |
|         | 14456 | LJUNGBYHOLM          | 563955.5N 0160526.9E     | 656          | 784        | F R                | Wind turbine       |
|         | 14457 | LJUNGBYHOLM          | 563942.4N 0160501.8E     | 656          | 794        | FLG W              | Wind turbine       |
|         | 14458 | LJUNGBYHOLM          | 563948.5N 0160606.5E     | 656          | 774        | F R                | Wind turbine       |
|         | 14459 | LJUNGBYHOLM          | 563954.5N 0160637.3E     | 656          | 764        | F R                | Wind turbine       |
|         | 14460 | LJUNGBYHOLM          | 563952.9N 0160712.9E     | 656          | 764        | FLG W              | Wind turbine       |
|         | 15315 | ALGUTSRUM            | 564039.5N 0163403.7E     | 489          | 627        | FLG R              | Mast               |
| 56N 17E | 11287 | YTTERGRUND           | 565953.3N 0170021.2E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11290 | YTTERGRUND           | 565940.5N 0170022.7E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11291 | YTTERGRUND           | 565929.2N 0170027.8E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11292 | YTTERGRUND           | 565917.9N 0170033.4E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11293 | YTTERGRUND           | 565907.0N 0170041.1E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11294 | YTTERGRUND           | 565857.3N 0170053.4E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11295 | YTTERGRUND           | 565848.8N 0170108.1E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11296 | YTTERGRUND           | 565840.7N 0170123.7E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11297 | YTTERGRUND           | 565825.6N 0170156.4E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11298 | YTTERGRUND           | 565819.4N 0170213.6E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11299 | YTTERGRUND           | 565812.4N 0170231.9E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11300 | YTTERGRUND           | 565806.3N 0170250.3E (*) | 446          | 446        | FLG R              | Wind turbine       |
|         | 11332 | YTTERGRUND           | 565833.1N 0170140.0E (*) | 446          | 446        | FLG R              | Wind turbine       |
| 56N 18E | 154   | SUNDRÉ               | 565610.9N 0181316.6E     | 371          | 467        | F R                | Mast               |
|         | 1017  | FALUDDEN             | 565943.6N 0182316.9E     | 653          | 671        | F R/FLG W          | Mast, 40 per min.  |
| 57N 11E | 86    | GÖTEBORG/BRÄCKE      | 574202.1N 0115243.3E     | 377          | 401        | F R                | Chimney            |
|         | 88    | GÖTEBORG/SKEPPSBRON  | 574210.7N 0115718.1E     | 361          | 369        | -                  | Chimney            |
|         | 89    | GÖTEBORG/ÄLVSBOGSRON | 574132.9N 0115402.4E     | 374          | 373        | F R                | Tower, Chimney     |
|         | 862   | GÖTEBORG/MÖLNDAL     | 573822.6N 0115951.3E     | 351          | 420        | F R                | Chimney            |
|         | 902   | GÖTEBORG/RYA         | 574140.9N 0115324.6E     | 328          | 369        | F R                | Chimney            |
|         | 3565  | GÖTEBORGS HAMN       | 574118.1N 0115134.3E     | 394          | 393        | F R                | Crane              |
|         | 3566  | GÖTEBORGS HAMN       | 574118.6N 0115104.0E     | 331          | 340        | F R                | Crane              |
|         | 10480 | KODE                 | 575529.8N 0115216.4E     | 492          | 703        | FLG R              | Wind turbine       |
|         | 12713 | GÖTEBORG/ÄLVSBOGSRON | 574120.1N 0115410.3E     | 364          | 374        | F R                | Bridge             |
|         | 15340 | GÖTEBORG             | 574235.0N 0115621.0E     | 804          | 817        | F R/FLG W          | Building           |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |           |                        |                      |              |            |                    |                    |
|---|-----------|------------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No        | Designation            | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 57N 12E   | 16198     | VÄSTRA FRÖLUNDA KA     | 573849.8N 0115533.1E | 328          | 345        | unknown            | Mast               |
|   | 16199     | RÖDJAN                 | 574134.0N 0115327.9E | 328          | 368        | unknown            | Chimney            |
|   | 16203     | ÄLVSBORGSFJORDEN       | 574118.1N 0115120.4E | 394          | 393        | F R                | Crane              |
|   | 16204     | ÄLVSBORGSFJORDEN       | 574118.1N 0115125.9E | 394          | 393        | F R                | Crane              |
|   | 16205     | ÄLVNABBEN              | 574117.9N 0115141.8E | 420          | 424        | unknown            | Crane              |
|   | 16207     | LISEBERG               | 574143.3N 0115926.7E | 397          | 486        | unknown            | Tower              |
|   | 97        | GÖTEBORG/BRUDAREMOSSEN | 574139.5N 0120332.0E | 1093         | 1459       | F R/FLG W          | Mast               |
|   | 100       | RINGHALS               | 571543.6N 0120641.7E | 364          | 373        | F R                | Chimney            |
|   | 106       | GRIMETON 1             | 570601.3N 0122253.4E | 433          | 559        | F R                | Mast               |
|   | 110       | VÄRÖ/BUA               | 571325.5N 0121020.3E | 397          | 420        | F R                | Chimney            |
|   | 711       | RINGHALS 1             | 571506.5N 0120635.8E | 341          | 387        | F R                | Mast               |
|   | 1005      | LINDOME                | 573621.4N 0120631.4E | 394          | 615        | F R                | Mast               |
|   | 1213      | GÖTEBORG/SÄVENÄS       | 574347.3N 0120207.1E | 351          | 382        | F R                | Chimney            |
|   | 1456      | GÖTEBORG/PARTILLE      | 574354.4N 0120311.0E | 417          | 445        | F R                | Chimney            |
|   | 1463      | GÖTEBORG/ST BRATTÅS    | 574554.7N 0120407.8E | 371          | 698        | F R                | Mast               |
|   | 1659      | KINNA                  | 573004.0N 0123514.6E | 348          | 826        | F R                | Mast               |
|   | 1700      | BORÅS                  | 574333.9N 0125612.6E | 344          | 775        | -                  | Chimney            |
|   | 3531      | GRIMETON               | 570610.5N 0122308.1E | 417          | 531        | -                  | Mast               |
|   | 3532      | GRIMETON               | 570619.7N 0122323.0E | 420          | 521        | -                  | Mast               |
|   | 3533      | GRIMETON               | 570628.9N 0122337.8E | 417          | 510        | -                  | Mast               |
|   | 3534      | GRIMETON               | 570638.2N 0122352.7E | 417          | 507        | -                  | Mast               |
|   | 3535      | GRIMETON               | 570647.5N 0122407.7E | 420          | 526        | F R                | Mast               |
|   | 3536      | GRIMETON               | 570631.5N 0122325.9E | 860          | 973        | F R/FLG W          | Mast               |
|   | 4884      | GÖTEBORG/BRUDAREMOSSEN | 574138.4N 0120331.4E | 571          | 942        | -                  | Mast               |
|   | 8365      | TVÅÅKER                | 570207.3N 0122250.7E | 410          | 446        | FLG R              | Wind turbine       |
|   | 8366      | TVÅÅKER                | 570217.4N 0122241.0E | 410          | 449        | FLG R              | Wind turbine       |
|   | 8367      | TVÅÅKER                | 570227.4N 0122231.4E | 410          | 449        | FLG R              | Wind turbine       |
|   | 9222      | LÅNGÅS                 | 570034.0N 0122629.6E | 492          | 558        | FLG R              | Wind turbine       |
|   | 9223      | LÅNGÅS                 | 570028.4N 0122650.2E | 492          | 558        | FLG R              | Wind turbine       |
|   | 9224      | LÅNGÅS                 | 570022.8N 0122710.8E | 492          | 561        | FLG R              | Wind turbine       |
|   | 9225      | LÅNGÅS                 | 570017.2N 0122731.2E | 492          | 543        | FLG R              | Wind turbine       |
|   | 9226      | LÅNGÅS                 | 570011.3N 0122752.7E | 492          | 558        | FLG R              | Wind turbine       |
|   | 9364      | GÖTEBORG               | 574744.0N 0120123.0E | 400          | 755        | FLG R              | Wind turbine       |
|   | 9376      | TVÅÅKER                | 570314.1N 0122154.2E | 390          | 466        | F R                | Wind turbine       |
|   | 9377      | TVÅÅKER                | 570325.0N 0122146.3E | 390          | 479        | F R                | Wind turbine       |
|   | 10118     | TVÅÅKER                | 570301.0N 0122931.7E | 492          | 932        | FLG R              | Wind turbine       |
|   | 10119     | TVÅÅKER                | 570253.1N 0122951.0E | 492          | 935        | FLG R              | Wind turbine       |
|   | 10120     | TVÅÅKER                | 570242.6N 0122932.6E | 492          | 961        | FLG R              | Wind turbine       |
|   | 10121     | TVÅÅKER                | 570252.8N 0122912.6E | 492          | 961        | FLG R              | Wind turbine       |
|   | 10122     | TVÅÅKER                | 570249.3N 0122846.2E | 492          | 827        | FLG R              | Wind turbine       |
|   | 10594     | FJÄRÅS KYRKBY          | 572458.3N 0121355.6E | 476          | 846        | FLG R              | Wind turbine       |
|   | 10595     | FJÄRÅS KYRKBY          | 572502.4N 0121420.8E | 476          | 853        | FLG R              | Wind turbine       |
|   | 10596     | FJÄRÅS KYRKBY          | 572524.9N 0121441.5E | 476          | 820        | FLG R              | Wind turbine       |
|   | 10597     | FJÄRÅS KYRKBY          | 572544.3N 0121427.4E | 476          | 837        | FLG R              | Wind turbine       |
|   | 10648     | SKEPHULT               | 573154.0N 0125141.0E | 492          | 984        | FLG R              | Wind turbine       |
|   | 10675     | ÖVERLIDA               | 572056.8N 0125025.8E | 443          | 1079       | FLG R              | Wind turbine       |
|   | 10676     | ÖVERLIDA               | 572041.9N 0125029.0E | 443          | 1111       | FLG R              | Wind turbine       |
|   | 11097     | BRÅTAGÄRDE             | 570543.1N 0124358.8E | 394          | 851        | F R                | Mast               |
|   | 11246     | VESSIGEBRO             | 570031.1N 0124220.8E | 492          | 1033       | FLG R              | Wind turbine       |
|   | 11247     | VESSIGEBRO             | 570044.8N 0124224.6E | 492          | 1010       | FLG R              | Wind turbine       |
|   | 11248     | VESSIGEBRO             | 570056.6N 0124211.8E | 492          | 1014       | FLG R              | Wind turbine       |
|   | 11249     | VESSIGEBRO             | 570111.8N 0124220.9E | 492          | 935        | FLG W              | Wind turbine       |
|   | 11252     | VESSIGEBRO             | 570026.4N 0124331.7E | 492          | 860        | FLG R              | Wind turbine       |
|   | 11253     | VESSIGEBRO             | 570034.1N 0124404.8E | 492          | 879        | FLG R              | Wind turbine       |
|   | 11254     | VESSIGEBRO             | 570032.4N 0124432.2E | 492          | 981        | FLG R              | Wind turbine       |
|   | 11544     | ÅSBY                   | 571247.9N 0121707.4E | 492          | 783        | FLG R              | Wind turbine       |
|   | 11545     | ÅSBY                   | 571236.2N 0121650.6E | 492          | 774        | FLG R              | Wind turbine       |
| 11546   | ÅSBY      | 571224.1N 0121636.7E   | 492                  | 790          | FLG R      | Wind turbine       |                    |
| 11547   | ÅSBY      | 571212.7N 0121621.4E   | 492                  | 788          | FLG R      | Wind turbine       |                    |
| 11548   | ÅSBY      | 571159.3N 0121608.0E   | 492                  | 781          | FLG R      | Wind turbine       |                    |
| 11549   | ÅSBY      | 571147.4N 0121554.2E   | 492                  | 745          | FLG R      | Wind turbine       |                    |
| 11688   | FRILLESÅS | 572001.3N 0121200.2E   | 456                  | 587          | FLG R      | Wind turbine       |                    |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|-------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 12755 | GÄLLINGE    | 572311.5N 0121208.7E     | 492          | 804        | FLG R              | Wind turbine       |
|         | 12756 | GÄLLINGE    | 572258.7N 0121210.3E     | 492          | 820        | FLG R              | Wind turbine       |
|         | 12757 | GÄLLINGE    | 572308.2N 0121233.0E     | 492          | 810        | FLG R              | Wind turbine       |
|         | 12758 | GÄLLINGE    | 572304.9N 0121258.7E     | 492          | 827        | FLG R              | Wind turbine       |
|         | 12759 | GÄLLINGE    | 572250.2N 0121303.5E     | 492          | 815        | FLG R              | Wind turbine       |
|         | 12760 | GÄLLINGE    | 572236.4N 0121306.0E     | 492          | 804        | FLG R              | Wind turbine       |
|         | 12761 | GÄLLINGE    | 572222.5N 0121309.3E     | 492          | 833        | FLG R              | Wind turbine       |
|         | 12762 | GÄLLINGE    | 572207.8N 0121310.3E     | 492          | 860        | FLG R              | Wind turbine       |
|         | 13059 | KÅLLERED    | 573559.8N 0120341.4E     | 367          | 541        | F R                | Mast               |
|         | 14984 | ALINGSÅS    | 575907.7N 0123237.9E     | 656          | 1237       | F R                | Wind turbine       |
|         | 14985 | ALINGSÅS    | 575940.6N 0123303.2E     | 656          | 1266       | FLG W              | Wind turbine       |
|         | 14986 | ALINGSÅS    | 575921.3N 0123315.7E     | 656          | 1224       | FLG W              | Wind turbine       |
|         | 14987 | ALINGSÅS    | 575810.7N 0122942.6E     | 656          | 1253       | FLG W              | Wind turbine       |
|         | 14988 | ALINGSÅS    | 575856.9N 0122929.2E     | 656          | 1280       | FLG W              | Wind turbine       |
|         | 14989 | ALINGSÅS    | 575849.7N 0122956.4E     | 656          | 1276       | FLG W              | Wind turbine       |
|         | 14990 | ALINGSÅS    | 575826.1N 0123047.9E     | 656          | 1211       | FLG W              | Wind turbine       |
|         | 14991 | ALINGSÅS    | 575911.1N 0123000.8E     | 656          | 1283       | F R                | Wind turbine       |
|         | 14992 | ALINGSÅS    | 575900.1N 0123026.1E     | 656          | 1276       | F R                | Wind turbine       |
|         | 14993 | ALINGSÅS    | 575848.4N 0123048.6E     | 656          | 1227       | F R                | Wind turbine       |
|         | 14994 | ALINGSÅS    | 575838.1N 0123108.2E     | 656          | 1237       | F R                | Wind turbine       |
|         | 14995 | ALINGSÅS    | 575923.5N 0123043.8E     | 656          | 1266       | FLG W              | Wind turbine       |
|         | 14996 | ALINGSÅS    | 575907.7N 0123114.4E     | 656          | 1247       | F R                | Wind turbine       |
|         | 15224 | GÖTEBORG    | 574039.6N 0120049.1E     | 354          | 541        | F R                | Building           |
|         | 15763 | TVÅÅKER     | 570144.8N 0122125.4E     | 410          | 434        | FLG R              | Wind turbine       |
|         | 15764 | TVÅÅKER     | 570157.6N 0122124.6E     | 410          | 431        | FLG R              | Wind turbine       |
|         | 15812 | HEDARED     | 574925.0N 0124311.4E     | 377          | 1148       | F R                | Mast               |
|         | 16220 | TOMTEBACKA  | 574817.9N 0121923.9E     | 371          | 647        | unknown            | Mast               |
|         | 16864 | LILLA HÖKÅS | 573429.3N 0123737.8E     | 335          | 1019       | unknown            | Wind turbine       |
| 57N 13E | 116   | FINNVEDEN   | 571409.4N 0134302.8E     | 866          | 1688       | F R/FLG W          | Mast               |
|         | 9677  | VÄRNAMO     | 570827.2N 0135819.3E     | 492          | 1302       | FLG R              | Wind turbine       |
|         | 9679  | VÄRNAMO     | 570819.6N 0135834.4E     | 492          | 1283       | FLG R              | Wind turbine       |
|         | 9704  | KULLTORP    | 571656.8N 0134522.1E     | 410          | 1365       | FLG R              | Wind turbine       |
|         | 9705  | KULLTORP    | 571658.9N 0134547.2E     | 410          | 1394       | FLG R              | Wind turbine       |
|         | 9706  | KULLTORP    | 571648.9N 0134600.6E     | 410          | 1371       | FLG R              | Wind turbine       |
|         | 9707  | KULLTORP    | 571645.5N 0134532.1E     | 410          | 1303       | FLG R              | Wind turbine       |
|         | 10260 | HESTRA      | 572717.5N 0133158.8E (*) | 328          | 1263       | F R                | Mast               |
|         | 10629 | MARBÄCK     | 574508.7N 0132857.4E (*) | 394          | 1496       | F R                | Mast               |
|         | 10686 | RÄNNAVÄG    | 574255.3N 0132804.2E (*) | 492          | 1647       | FLG R              | Wind turbine       |
|         | 10687 | RÄNNAVÄG    | 574246.7N 0132741.1E (*) | 492          | 1650       | FLG R              | Wind turbine       |
|         | 10688 | RÄNNAVÄG    | 574226.2N 0132719.1E (*) | 492          | 1617       | FLG R              | Wind turbine       |
|         | 11340 | GNOSJÖ      | 572409.5N 0134339.0E (*) | 492          | 1444       | FLG R              | Wind turbine       |
|         | 11341 | GNOSJÖ      | 572400.3N 0134325.3E (*) | 492          | 1460       | FLG R              | Wind turbine       |
|         | 11342 | GNOSJÖ      | 572351.0N 0134309.9E (*) | 492          | 1362       | FLG R              | Wind turbine       |
|         | 12195 | ULRICEHAMN  | 574646.5N 0133256.0E (*) | 344          | 1496       | F R                | Mast               |
|         | 12614 | REFTELE     | 571138.2N 0133831.9E     | 656          | 1266       | F R/FLG W          | Wind turbine       |
|         | 12615 | REFTELE     | 571150.9N 0133839.3E     | 656          | 1293       | F R/FLG W          | Wind turbine       |
|         | 12901 | BORÅS       | 574325.9N 0130321.4E     | 1007         | 2052       | F R/FLG W          | Mast               |
|         | 12915 | BOTTNARYD   | 574520.9N 0134750.7E (*) | 476          | 1529       | FLG R              | Wind turbine       |
|         | 12916 | BOTTNARYD   | 574456.5N 0134757.2E (*) | 476          | 1522       | FLG R              | Wind turbine       |
|         | 12917 | BOTTNARYD   | 574456.6N 0134833.4E (*) | 476          | 1542       | FLG R              | Wind turbine       |
|         | 12918 | BOTTNARYD   | 574439.5N 0134840.9E (*) | 476          | 1532       | FLG R              | Wind turbine       |
|         | 13079 | GRIMSÅS     | 572649.2N 0133141.3E (*) | 607          | 1519       | FLG W              | Wind turbine       |
|         | 13080 | GRIMSÅS     | 572719.6N 0133117.7E (*) | 607          | 1526       | FLG W              | Wind turbine       |
|         | 13081 | GRIMSÅS     | 572706.8N 0133131.0E (*) | 607          | 1539       | F R                | Wind turbine       |
|         | 13082 | GRIMSÅS     | 572701.0N 0133158.9E (*) | 607          | 1568       | F R                | Wind turbine       |
|         | 13083 | GRIMSÅS     | 572650.6N 0133220.1E (*) | 607          | 1594       | F R                | Wind turbine       |
|         | 13084 | GRIMSÅS     | 572643.9N 0133252.9E (*) | 607          | 1591       | FLG W              | Wind turbine       |
|         | 13085 | GRIMSÅS     | 572721.3N 0133152.9E (*) | 607          | 1542       | F R                | Wind turbine       |
|         | 13086 | GRIMSÅS     | 572712.4N 0133224.4E (*) | 607          | 1578       | F R                | Wind turbine       |
|         | 13087 | GRIMSÅS     | 572713.8N 0133252.1E (*) | 607          | 1575       | F R                | Wind turbine       |
|         | 13088 | GRIMSÅS     | 572658.5N 0133305.8E (*) | 607          | 1601       | FLG W              | Wind turbine       |
|         | 13089 | GRIMSÅS     | 572731.9N 0133237.7E (*) | 607          | 1526       | F R                | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                      |                          |              |            |                    |                    |
|---|-------|----------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation          | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 13090 | GRIMSÅS              | 572756.0N 0133307.4E (*) | 607          | 1407       | F R                | Wind turbine       |
|   | 13091 | GRIMSÅS              | 572808.9N 0133314.0E (*) | 607          | 1381       | FLG W              | Wind turbine       |
|   | 13590 | BOTTNARYD            | 574912.3N 0135518.1E (*) | 623          | 1611       | FLG W              | Wind turbine       |
|   | 13591 | BOTTNARYD            | 574907.3N 0135545.8E (*) | 623          | 1640       | FLG W              | Wind turbine       |
|   | 13592 | BOTTNARYD            | 574853.8N 0135558.5E (*) | 623          | 1617       | FLG W              | Wind turbine       |
|   | 13593 | BOTTNARYD            | 574852.5N 0135516.3E (*) | 623          | 1594       | FLG W              | Wind turbine       |
|   | 13594 | BOTTNARYD            | 574832.0N 0135603.3E (*) | 623          | 1634       | FLG W              | Wind turbine       |
|   | 13595 | BOTTNARYD            | 574834.3N 0135523.6E (*) | 623          | 1604       | FLG W              | Wind turbine       |
|   | 13596 | BOTTNARYD            | 574817.3N 0135517.2E (*) | 623          | 1608       | FLG W              | Wind turbine       |
|   | 13597 | BOTTNARYD            | 574808.9N 0135553.2E (*) | 623          | 1562       | FLG W              | Wind turbine       |
|   | 13598 | BOTTNARYD            | 574800.1N 0135523.9E (*) | 623          | 1506       | FLG W              | Wind turbine       |
|   | 13599 | BOTTNARYD            | 574744.4N 0135524.9E (*) | 623          | 1506       | FLG W              | Wind turbine       |
|   | 14123 | TRÄDET               | 575748.5N 0133333.7E (*) | 656          | 1486       | FLG W              | Wind turbine       |
|   | 14124 | TRÄDET               | 575736.6N 0133405.3E (*) | 656          | 1512       | FLG W              | Wind turbine       |
|   | 14125 | TRÄDET               | 575720.4N 0133505.2E (*) | 656          | 1522       | FLG W              | Wind turbine       |
|   | 14317 | FURUSJÖ              | 575908.7N 0135547.2E     | 574          | 1690       | F R                | Wind turbine       |
|   | 14318 | FURUSJÖ              | 575853.8N 0135545.1E     | 574          | 1657       | FLG W              | Wind turbine       |
|   | 14319 | FURUSJÖ              | 575923.3N 0135605.8E     | 574          | 1716       | FLG W              | Wind turbine       |
|   | 14320 | FURUSJÖ              | 575850.1N 0135630.2E     | 574          | 1654       | F R                | Wind turbine       |
|   | 14321 | FURUSJÖ              | 575836.0N 0135630.3E     | 574          | 1634       | FLG W              | Wind turbine       |
|   | 14322 | FURUSJÖ              | 575907.4N 0135620.8E     | 574          | 1696       | F R                | Wind turbine       |
|   | 14323 | FURUSJÖ              | 575902.7N 0135646.2E     | 574          | 1634       | F R                | Wind turbine       |
|   | 14324 | FURUSJÖ              | 575930.0N 0135806.7E     | 574          | 1647       | FLG W              | Wind turbine       |
|   | 14325 | FURUSJÖ              | 575944.5N 0135751.4E     | 574          | 1647       | F R                | Wind turbine       |
|   | 14326 | FURUSJÖ              | 575945.9N 0135825.7E     | 574          | 1660       | FLG W              | Wind turbine       |
|   | 15279 | GISLAVED             | 572257.5N 0132625.8E     | 656          | 1628       | F R                | Wind turbine       |
|   | 15280 | GISLAVED             | 572242.8N 0132628.2E     | 656          | 1530       | FLG W              | Wind turbine       |
|   | 15281 | GISLAVED             | 572254.3N 0132659.8E     | 656          | 1573       | F R                | Wind turbine       |
|   | 15282 | GISLAVED             | 572334.6N 0132705.8E     | 656          | 1552       | FLG W              | Wind turbine       |
|   | 15283 | GISLAVED             | 572321.6N 0132700.5E     | 656          | 1621       | F R                | Wind turbine       |
|   | 15284 | GISLAVED             | 572307.1N 0132723.1E     | 656          | 1603       | F R                | Wind turbine       |
|   | 15285 | GISLAVED             | 572257.4N 0132759.8E     | 656          | 1537       | FLG W              | Wind turbine       |
|   | 15286 | GISLAVED             | 572320.2N 0132905.1E     | 656          | 1532       | FLG W              | Wind turbine       |
|   | 15287 | GISLAVED             | 572303.9N 0132849.8E     | 656          | 1581       | F R                | Wind turbine       |
|   | 15288 | GISLAVED             | 572311.5N 0132951.2E     | 656          | 1573       | F R                | Wind turbine       |
|   | 15289 | GISLAVED             | 572304.9N 0133016.5E     | 656          | 1575       | FLG W              | Wind turbine       |
|   | 15290 | GISLAVED             | 572326.8N 0133026.3E     | 656          | 1556       | FLG W              | Wind turbine       |
| 57N 14E   | 122   | JÖNKÖPING/BONDBERGET | 574610.0N 0141452.6E     | 446          | 1316       | F R                | Mast               |
|   | 128   | NÄSSJÖ 1             | 573836.6N 0144008.5E     | 1063         | 2135       | FLG W              | Mast               |
|   | 881   | JÖNKÖPING            | 574630.8N 0140939.8E (*) | 361          | 679        | F R                | Chimney            |
|   | 7543  | TABERG               | 574146.2N 0140918.7E (*) | 394          | 1066       | F R                | Chimney            |
|   | 8669  | FREDRIKSDAL          | 573655.9N 0143431.1E (*) | 335          | 1463       | FLG R              | Wind turbine       |
|   | 8683  | NÄSSJÖ               | 573524.5N 0143741.0E (*) | 328          | 1362       | FLG R              | Wind turbine       |
|   | 9461  | BERG                 | 573701.2N 0143315.0E (*) | 492          | 1624       | FLG W              | Wind turbine       |
|   | 9462  | GÖSTORP              | 573645.6N 0143441.6E (*) | 492          | 1591       | FLG W              | Wind turbine       |
|   | 9463  | GÖSTORP              | 573707.0N 0143257.0E (*) | 492          | 1654       | FLG W              | Wind turbine       |
|   | 9501  | GÖSTORP              | 573644.6N 0143257.7E (*) | 492          | 1686       | FLG R              | Wind turbine       |
|   | 9853  | MÅLEN                | 574900.7N 0145545.2E (*) | 472          | 1434       | FLG R              | Wind turbine       |
|   | 9854  | MÅLEN                | 574853.1N 0145710.4E (*) | 472          | 1430       | FLG R              | Wind turbine       |
|   | 10059 | FORSERUM             | 573953.9N 0143221.3E (*) | 492          | 1611       | FLG R              | Wind turbine       |
|   | 10060 | FORSERUM             | 573954.2N 0143253.7E (*) | 492          | 1585       | FLG R              | Wind turbine       |
|   | 10061 | FORSERUM             | 573902.3N 0143257.8E (*) | 492          | 1617       | FLG R              | Wind turbine       |
|   | 10062 | FORSERUM             | 573938.8N 0143335.0E (*) | 492          | 1581       | FLG R              | Wind turbine       |
|   | 10336 | GRIPENBERG           | 575952.1N 0144936.9E (*) | 492          | 1247       | FLG R              | Wind turbine       |
|   | 10467 | BJÖRKÖBY             | 572915.2N 0145729.4E (*) | 328          | 1302       | F R                | Mast               |
|   | 10479 | HAURIDA              | 575207.3N 0143333.8E (*) | 394          | 1385       | F R                | Mast               |
|   | 11071 | FREDRIKSDAL          | 573817.3N 0143258.6E (*) | 492          | 1631       | FLG R              | Wind turbine       |
|   | 11072 | FREDRIKSDAL          | 573803.7N 0143124.8E (*) | 492          | 1624       | FLG R              | Wind turbine       |
|   | 11073 | FREDRIKSDAL          | 573742.5N 0143124.0E (*) | 492          | 1627       | FLG R              | Wind turbine       |
|   | 11074 | FREDRIKSDAL          | 573720.5N 0143155.2E (*) | 492          | 1624       | FLG R              | Wind turbine       |
|   | 11076 | FREDRIKSDAL          | 573658.6N 0143203.6E (*) | 492          | 1640       | FLG R              | Wind turbine       |
|   | 11459 | EKENÄSSJÖN           | 572919.2N 0145642.9E (*) | 492          | 1427       | FLG R              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation          | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|----------------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 11460 | EKENÄSSJÖN           | 572923.9N 0145710.1E (*) | 492          | 1447       | FLG R              | Wind turbine       |
|         | 11461 | EKENÄSSJÖN           | 572931.3N 0145731.0E (*) | 492          | 1447       | FLG R              | Wind turbine       |
|         | 11462 | EKENÄSSJÖN           | 572943.1N 0145749.0E (*) | 492          | 1447       | FLG R              | Wind turbine       |
|         | 11463 | EKENÄSSJÖN           | 572910.7N 0145711.6E (*) | 492          | 1483       | FLG R              | Wind turbine       |
|         | 11464 | EKENÄSSJÖN           | 572917.7N 0145741.7E (*) | 492          | 1463       | FLG R              | Wind turbine       |
|         | 11465 | EKENÄSSJÖN           | 572929.1N 0145757.6E (*) | 492          | 1480       | FLG R              | Wind turbine       |
|         | 11617 | LAMMHULT/TRITTEBODA  | 571255.5N 0143944.6E     | 394          | 1339       | F R                | Mast               |
|         | 12111 | TABERG               | 574146.0N 0140918.4E (*) | 394          | 712        | F R                | Mast               |
|         | 12210 | FREDRIKSDAL          | 573640.4N 0143300.7E (*) | 486          | 1683       | FLG R              | Wind turbine       |
|         | 12211 | FREDRIKSDAL          | 573630.0N 0143329.3E (*) | 486          | 1640       | FLG R              | Wind turbine       |
|         | 12212 | FREDRIKSDAL          | 573626.6N 0143404.0E (*) | 486          | 1585       | FLG R              | Wind turbine       |
|         | 12213 | FREDRIKSDAL          | 573623.7N 0143246.8E (*) | 486          | 1660       | FLG R              | Wind turbine       |
|         | 12214 | FREDRIKSDAL          | 573616.3N 0143342.7E (*) | 486          | 1621       | FLG R              | Wind turbine       |
|         | 12215 | FREDRIKSDAL          | 573617.0N 0143431.0E (*) | 486          | 1601       | FLG R              | Wind turbine       |
|         | 12216 | FREDRIKSDAL          | 573634.6N 0143224.2E (*) | 486          | 1667       | FLG R              | Wind turbine       |
|         | 12217 | FREDRIKSDAL          | 573610.5N 0143316.1E (*) | 486          | 1650       | FLG R              | Wind turbine       |
|         | 12218 | FREDRIKSDAL          | 573558.1N 0143350.6E (*) | 486          | 1624       | FLG R              | Wind turbine       |
|         | 12219 | FREDRIKSDAL          | 573552.0N 0143254.7E (*) | 486          | 1637       | FLG R              | Wind turbine       |
|         | 12225 | ANEBY                | 575053.1N 0145803.4E (*) | 472          | 1417       | F R                | Mast               |
|         | 12587 | NÄSSJÖ               | 573547.3N 0143242.5E (*) | 328          | 1460       | F R                | Mast               |
|         | 13832 | SLAGERYD             | 571814.9N 0145433.7E (*) | 591          | 1483       | FLG W              | Wind turbine       |
|         | 13833 | SLAGERYD             | 571802.5N 0145434.8E (*) | 591          | 1496       | FLG W              | Wind turbine       |
|         | 13834 | SLAGERYD             | 571749.8N 0145434.6E (*) | 591          | 1499       | FLG W              | Wind turbine       |
|         | 13835 | SLAGERYD             | 571737.0N 0145435.8E (*) | 591          | 1506       | FLG W              | Wind turbine       |
|         | 13836 | SLAGERYD             | 571724.3N 0145435.3E     | 591          | 1512       | FLG W              | Wind turbine       |
|         | 13837 | SLAGERYD             | 571712.2N 0145425.5E     | 591          | 1490       | FLG W              | Wind turbine       |
|         | 14105 | VAGGERYD/BOARP       | 572622.5N 0141418.3E (*) | 449          | 1309       | F R                | Mast               |
|         | 14445 | BRAÅS                | 570204.3N 0145841.1E     | 689          | 1440       | FLG W              | Wind turbine       |
|         | 14446 | BRAÅS                | 570159.1N 0145905.6E     | 689          | 1411       | FLG R              | Wind turbine       |
|         | 14447 | BRAÅS                | 570146.2N 0145914.3E     | 689          | 1379       | FLG W              | Wind turbine       |
|         | 15251 | ANEBY                | 574808.9N 0143724.8E     | 673          | 1660       | FLG W              | Wind turbine       |
|         | 15252 | ANEBY                | 574756.9N 0143753.8E     | 673          | 1663       | F R                | Wind turbine       |
|         | 15253 | ANEBY                | 574724.4N 0143904.5E     | 673          | 1677       | FLG W              | Wind turbine       |
|         | 15254 | ANEBY                | 574737.6N 0143931.3E     | 673          | 1690       | FLG W              | Wind turbine       |
|         | 15255 | ANEBY                | 574804.7N 0143647.0E     | 673          | 1644       | F R                | Wind turbine       |
|         | 15256 | ANEBY                | 574825.1N 0143555.3E     | 673          | 1594       | F R                | Wind turbine       |
|         | 15257 | ANEBY                | 574820.5N 0143632.8E     | 673          | 1598       | F R                | Wind turbine       |
|         | 15258 | ANEBY                | 574855.9N 0143541.6E     | 673          | 1703       | FLG W              | Wind turbine       |
|         | 15259 | ANEBY                | 574804.0N 0143610.6E     | 673          | 1558       | FLG W              | Wind turbine       |
|         | 15260 | ANEBY                | 574748.9N 0143630.8E     | 673          | 1604       | F R                | Wind turbine       |
|         | 15261 | ANEBY                | 574838.6N 0143542.6E     | 673          | 1624       | F R                | Wind turbine       |
|         | 15262 | ANEBY                | 574742.1N 0143716.5E     | 673          | 1647       | FLG W              | Wind turbine       |
|         | 15263 | ANEBY                | 575234.0N 0143834.7E     | 673          | 1680       | FLG W              | Wind turbine       |
|         | 15264 | ANEBY                | 575127.5N 0143755.6E     | 673          | 1680       | FLG W              | Wind turbine       |
|         | 15265 | ANEBY                | 575153.4N 0143738.6E     | 673          | 1667       | F R                | Wind turbine       |
|         | 15266 | ANEBY                | 575130.6N 0143641.9E     | 673          | 1663       | FLG W              | Wind turbine       |
|         | 15267 | ANEBY                | 575032.1N 0143614.3E     | 673          | 1660       | FLG W              | Wind turbine       |
|         | 15268 | ANEBY                | 575115.2N 0143715.3E     | 673          | 1680       | F R                | Wind turbine       |
|         | 15269 | ANEBY                | 575054.1N 0143618.3E     | 673          | 1677       | F R                | Wind turbine       |
|         | 15270 | ANEBY                | 575133.8N 0143729.3E     | 673          | 1690       | F R                | Wind turbine       |
| 57N 15E | 130   | KISA/1               | 575727.4N 0153522.0E     | 1089         | 1908       | F R/FLG W          | Mast               |
|         | 134   | MÖRLUNDA             | 571924.0N 0155903.2E     | 417          | 889        | F R                | Mast               |
|         | 1150  | HYCKLINGE            | 575501.6N 0155516.4E     | 338          | 711        | F R                | Mast               |
|         | 1972  | FAGERHULT            | 570819.5N 0153425.2E     | 341          | 1085       | F R                | Mast               |
|         | 2796  | BRUZHOLM             | 573803.4N 0151651.2E     | 338          | 972        | F R                | Mast               |
|         | 3071  | YDRE                 | 574934.7N 0151723.7E     | 341          | 948        | F R                | Mast               |
|         | 4066  | NYE                  | 571900.5N 0152051.6E     | 338          | 1115       | F R                | Mast               |
|         | 9233  | GÖLJARYD             | 571309.9N 0151024.1E     | 328          | 1270       | FLG R              | Wind turbine       |
|         | 9234  | GÖLJARYD             | 571304.5N 0151035.4E     | 328          | 1271       | FLG R              | Wind turbine       |
|         | 9251  | BOCKARA              | 571639.3N 0155922.2E     | 476          | 897        | FLG R              | Wind turbine       |
|         | 9252  | BOCKARA              | 571627.9N 0155911.5E     | 410          | 810        | FLG R              | Wind turbine       |
|         | 10549 | NORRHULT KLAVRESTRÖM | 570802.5N 0150541.2E     | 331          | 1289       | FLG W              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                      |                      |              |            |                    |                    |
|---|-------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 10951 | LINDSHAMMAR          | 571346.4N 0151117.0E | 492          | 1445       | FLG R              | Wind turbine       |
|   | 10952 | LINDSHAMMAR          | 571354.5N 0151145.0E | 492          | 1460       | FLG R              | Wind turbine       |
|   | 10953 | LINDSHAMMAR          | 571341.7N 0151202.4E | 492          | 1459       | FLG R              | Wind turbine       |
|   | 10954 | LINDSHAMMAR          | 571331.5N 0151131.2E | 492          | 1427       | FLG R              | Wind turbine       |
|   | 10955 | LINDSHAMMAR          | 571316.6N 0151132.9E | 492          | 1447       | FLG R              | Wind turbine       |
|   | 10956 | LINDSHAMMAR          | 571328.3N 0151212.9E | 492          | 1460       | FLG R              | Wind turbine       |
|   | 10957 | LINDSHAMMAR          | 571255.5N 0151204.7E | 492          | 1453       | FLG R              | Wind turbine       |
|   | 10958 | LINDSHAMMAR          | 571310.4N 0151221.9E | 492          | 1473       | FLG R              | Wind turbine       |
|   | 10959 | LINDSHAMMAR          | 571244.9N 0151225.7E | 492          | 1450       | FLG R              | Wind turbine       |
|   | 10960 | LINDSHAMMAR          | 571257.4N 0151241.1E | 492          | 1470       | FLG R              | Wind turbine       |
|   | 10961 | LINDSHAMMAR          | 571234.3N 0151159.3E | 492          | 1444       | FLG R              | Wind turbine       |
|   | 11019 | LEMNHULT             | 571329.5N 0151625.0E | 607          | 1512       | FLG W              | Wind turbine       |
|   | 11020 | LEMNHULT             | 571330.6N 0151537.7E | 607          | 1503       | F R                | Wind turbine       |
|   | 11021 | LEMNHULT             | 571340.8N 0151523.0E | 607          | 1539       | F R                | Wind turbine       |
|   | 11022 | LEMNHULT             | 571356.0N 0151509.3E | 607          | 1535       | F R                | Wind turbine       |
|   | 11023 | LEMNHULT             | 571410.4N 0151504.8E | 607          | 1545       | F R                | Wind turbine       |
|   | 11024 | LEMNHULT             | 571433.2N 0151515.5E | 607          | 1512       | F R                | Wind turbine       |
|   | 11025 | LEMNHULT             | 571523.1N 0151704.0E | 607          | 1483       | FLG W              | Wind turbine       |
|   | 11026 | LEMNHULT             | 571519.6N 0151629.0E | 607          | 1539       | F R                | Wind turbine       |
|   | 11027 | LEMNHULT             | 571507.2N 0151630.8E | 607          | 1542       | F R                | Wind turbine       |
|   | 11028 | LEMNHULT             | 571434.9N 0151610.3E | 607          | 1549       | FLG W              | Wind turbine       |
|   | 11029 | LEMNHULT             | 571450.8N 0151533.4E | 607          | 1532       | F R                | Wind turbine       |
|   | 11030 | LEMNHULT             | 571501.0N 0151520.2E | 607          | 1581       | F R                | Wind turbine       |
|   | 11115 | NORRHULT-KLAVRESTRÖM | 570632.7N 0150924.7E | 492          | 1247       | FLG R              | Wind turbine       |
|   | 11141 | LEMNHULT             | 571331.4N 0151441.4E | 607          | 1522       | FLG W              | Wind turbine       |
|   | 11142 | LEMNHULT             | 571343.6N 0151424.5E | 607          | 1558       | F R                | Wind turbine       |
|   | 11143 | LEMNHULT             | 571359.6N 0151435.5E | 607          | 1558       | F R                | Wind turbine       |
|   | 11144 | LEMNHULT             | 571414.4N 0151433.2E | 607          | 1585       | F R                | Wind turbine       |
|   | 11145 | LEMNHULT             | 571536.4N 0151600.8E | 607          | 1562       | F R                | Wind turbine       |
|   | 11146 | LEMNHULT             | 571514.1N 0151534.2E | 607          | 1555       | F R                | Wind turbine       |
|   | 11147 | LEMNHULT             | 571525.0N 0151457.5E | 607          | 1601       | F R                | Wind turbine       |
|   | 11148 | LEMNHULT             | 571546.5N 0151624.8E | 607          | 1549       | F R                | Wind turbine       |
|   | 11149 | LEMNHULT             | 571511.6N 0151457.7E | 607          | 1598       | F R                | Wind turbine       |
|   | 11150 | LEMNHULT             | 571441.8N 0151431.4E | 607          | 1594       | F R                | Wind turbine       |
|   | 11151 | LEMNHULT             | 571429.6N 0151434.4E | 607          | 1568       | F R                | Wind turbine       |
|   | 11152 | LEMNHULT             | 571441.0N 0151347.1E | 607          | 1578       | F R                | Wind turbine       |
|   | 11166 | LEMNHULT             | 571451.3N 0151334.6E | 607          | 1591       | FLG W              | Wind turbine       |
|   | 11167 | LEMNHULT             | 571516.5N 0151339.3E | 607          | 1575       | FLG W              | Wind turbine       |
|   | 11168 | LEMNHULT             | 571518.4N 0151412.7E | 607          | 1565       | F R                | Wind turbine       |
|   | 11169 | LEMNHULT             | 571502.8N 0151325.5E | 607          | 1611       | F R                | Wind turbine       |
|   | 11170 | LEMNHULT             | 571611.9N 0151556.5E | 607          | 1506       | FLG W              | Wind turbine       |
|   | 11171 | LEMNHULT             | 571530.3N 0151111.8E | 607          | 1555       | FLG W              | Wind turbine       |
|   | 11172 | LEMNHULT             | 571542.0N 0151107.5E | 607          | 1558       | F R                | Wind turbine       |
|   | 11173 | LEMNHULT             | 571556.8N 0151058.4E | 607          | 1552       | FLG W              | Wind turbine       |
|   | 12078 | VETLANDA SANDÅKRA    | 572307.2N 0150708.3E | 479          | 1385       | FLG R              | Wind turbine       |
|   | 12079 | VETLANDA HESTER      | 572222.6N 0150730.7E | 479          | 1385       | FLG R              | Wind turbine       |
|   | 12080 | VETLANDA HESTER      | 572229.7N 0150802.4E | 479          | 1385       | FLG R              | Wind turbine       |
|   | 12081 | VETLANDA HESTER      | 572230.6N 0150828.7E | 479          | 1463       | FLG R              | Wind turbine       |
|   | 12082 | VETLANDA HÖRERYD     | 572227.7N 0150908.9E | 479          | 1444       | FLG R              | Wind turbine       |
|   | 12083 | VETLANDA KRASSABERG  | 572218.1N 0151002.7E | 479          | 1355       | FLG R              | Wind turbine       |
|   | 12084 | TÅNGA                | 571311.3N 0151554.7E | 492          | 1355       | FLG W              | Wind turbine       |
|   | 12408 | KVILLSFORS           | 572516.6N 0153314.2E | 591          | 1247       | FLG W              | Wind turbine       |
|   | 12409 | KVILLSFORS           | 572536.3N 0153217.0E | 591          | 1302       | FLG W              | Wind turbine       |
|   | 12410 | KVILLSFORS           | 572543.0N 0153242.0E | 591          | 1296       | FLG W              | Wind turbine       |
|   | 12411 | KVILLSFORS           | 572530.3N 0153256.3E | 591          | 1293       | FLG W              | Wind turbine       |
|   | 12412 | KVILLSFORS           | 572550.7N 0153208.9E | 591          | 1332       | FLG W              | Wind turbine       |
|   | 12413 | KVILLSFORS           | 572557.9N 0153144.9E | 591          | 1332       | FLG W              | Wind turbine       |
|   | 12414 | KVILLSFORS           | 572612.3N 0153124.3E | 591          | 1319       | FLG W              | Wind turbine       |
|   | 13283 | SKEDE                | 573040.1N 0151131.8E | 459          | 1303       | F R                | Mast               |
|   | 15143 | ÅSEDA                | 570823.3N 0151903.6E | 627          | 1516       | FLG W              | Wind turbine       |
|   | 15144 | ÅSEDA                | 570826.3N 0152027.0E | 627          | 1499       | FLG W              | Wind turbine       |
|   | 15145 | ÅSEDA                | 570834.5N 0151957.2E | 627          | 1499       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 15146 | ÅSEDA       | 570825.9N 0152113.8E | 627          | 1493       | F R                | Wind turbine       |
|      | 15147 | ÅSEDA       | 570802.2N 0151915.3E | 627          | 1535       | F R                | Wind turbine       |
|      | 15148 | ÅSEDA       | 570801.9N 0151951.3E | 627          | 1509       | F R                | Wind turbine       |
|      | 15149 | ÅSEDA       | 570758.8N 0152044.5E | 627          | 1509       | F R                | Wind turbine       |
|      | 15150 | ÅSEDA       | 570805.2N 0152114.8E | 627          | 1476       | F R                | Wind turbine       |
|      | 15151 | ÅSEDA       | 570809.9N 0152153.0E | 627          | 1434       | FLG W              | Wind turbine       |
|      | 15152 | ÅSEDA       | 570749.7N 0151857.4E | 627          | 1516       | F R                | Wind turbine       |
|      | 15153 | ÅSEDA       | 570743.2N 0151950.1E | 627          | 1506       | F R                | Wind turbine       |
|      | 15154 | ÅSEDA       | 570744.8N 0152123.5E | 627          | 1486       | F R                | Wind turbine       |
|      | 15155 | ÅSEDA       | 570756.8N 0152139.7E | 627          | 1473       | F R                | Wind turbine       |
|      | 15156 | ÅSEDA       | 570736.5N 0151833.6E | 627          | 1526       | FLG W              | Wind turbine       |
|      | 15157 | ÅSEDA       | 570736.4N 0151912.2E | 627          | 1519       | F R                | Wind turbine       |
|      | 15158 | ÅSEDA       | 570728.9N 0151952.9E | 627          | 1476       | F R                | Wind turbine       |
|      | 15159 | ÅSEDA       | 570723.2N 0152047.2E | 627          | 1506       | F R                | Wind turbine       |
|      | 15160 | ÅSEDA       | 570735.7N 0152100.6E | 627          | 1499       | F R                | Wind turbine       |
|      | 15161 | ÅSEDA       | 570727.3N 0152127.3E | 627          | 1486       | F R                | Wind turbine       |
|      | 15162 | ÅSEDA       | 570716.3N 0151853.3E | 627          | 1522       | FLG W              | Wind turbine       |
|      | 15163 | ÅSEDA       | 570705.2N 0151942.4E | 627          | 1490       | F R                | Wind turbine       |
|      | 15164 | ÅSEDA       | 570711.9N 0152059.1E | 627          | 1476       | F R                | Wind turbine       |
|      | 15165 | ÅSEDA       | 570658.2N 0152050.9E | 627          | 1480       | F R                | Wind turbine       |
|      | 15166 | ÅSEDA       | 570633.0N 0152031.6E | 627          | 1476       | FLG W              | Wind turbine       |
|      | 15167 | ÅSEDA       | 570639.7N 0152104.1E | 627          | 1457       | F R                | Wind turbine       |
|      | 15168 | ÅSEDA       | 570625.9N 0152108.3E | 627          | 1476       | F R                | Wind turbine       |
|      | 15169 | ÅSEDA       | 570629.3N 0152314.6E | 627          | 1440       | F R                | Wind turbine       |
|      | 15170 | ÅSEDA       | 570631.6N 0152359.3E | 627          | 1473       | F R                | Wind turbine       |
|      | 15171 | ÅSEDA       | 570640.2N 0152429.6E | 627          | 1434       | F R                | Wind turbine       |
|      | 15172 | ÅSEDA       | 570654.6N 0152446.6E | 627          | 1453       | FLG W              | Wind turbine       |
|      | 15173 | ÅSEDA       | 570616.5N 0152245.4E | 627          | 1440       | F R                | Wind turbine       |
|      | 15174 | ÅSEDA       | 570621.1N 0152416.9E | 627          | 1450       | F R                | Wind turbine       |
|      | 15175 | ÅSEDA       | 570630.5N 0152445.2E | 627          | 1440       | F R                | Wind turbine       |
|      | 15176 | ÅSEDA       | 570608.4N 0152309.1E | 627          | 1467       | F R                | Wind turbine       |
|      | 15177 | ÅSEDA       | 570603.5N 0152344.7E | 627          | 1480       | F R                | Wind turbine       |
|      | 15178 | ÅSEDA       | 570550.9N 0152213.0E | 627          | 1440       | FLG W              | Wind turbine       |
|      | 15179 | ÅSEDA       | 570555.2N 0152245.3E | 627          | 1463       | F R                | Wind turbine       |
|      | 15180 | ÅSEDA       | 570539.2N 0152233.5E | 627          | 1499       | F R                | Wind turbine       |
|      | 15181 | ÅSEDA       | 570548.9N 0152335.6E | 627          | 1450       | F R                | Wind turbine       |
|      | 15182 | ÅSEDA       | 570555.6N 0152439.6E | 627          | 1450       | F R                | Wind turbine       |
|      | 15183 | ÅSEDA       | 570556.7N 0152510.8E | 627          | 1440       | F R                | Wind turbine       |
|      | 15184 | ÅSEDA       | 570523.3N 0152239.3E | 627          | 1473       | F R                | Wind turbine       |
|      | 15185 | ÅSEDA       | 570526.4N 0152314.6E | 627          | 1437       | F R                | Wind turbine       |
|      | 15186 | ÅSEDA       | 570539.2N 0152350.3E | 627          | 1437       | F R                | Wind turbine       |
|      | 15187 | ÅSEDA       | 570532.6N 0152440.8E | 627          | 1430       | F R                | Wind turbine       |
|      | 15188 | ÅSEDA       | 570541.9N 0152510.4E | 627          | 1440       | FLG W              | Wind turbine       |
|      | 15189 | ÅSEDA       | 570509.0N 0152258.0E | 627          | 1457       | FLG W              | Wind turbine       |
|      | 15510 | GREVEKULLA  | 574339.3N 0151504.5E | 656          | 1540       | FLG W              | Wind turbine       |
|      | 15511 | GREVEKULLA  | 574353.4N 0151523.4E | 656          | 1572       | FLG W              | Wind turbine       |
|      | 15512 | GREVEKULLA  | 574341.3N 0151555.8E | 656          | 1558       | FLG W              | Wind turbine       |
|      | 15513 | GREVEKULLA  | 574330.9N 0151528.4E | 656          | 1624       | F R                | Wind turbine       |
|      | 15514 | GREVEKULLA  | 574313.6N 0151531.7E | 656          | 1555       | F R                | Wind turbine       |
|      | 15515 | GREVEKULLA  | 574302.1N 0151559.8E | 656          | 1578       | FLG W              | Wind turbine       |
|      | 15684 | ÅSEDA       | 570636.5N 0151728.9E | 627          | 1529       | FLG W              | Wind turbine       |
|      | 15685 | ÅSEDA       | 570618.8N 0151753.9E | 627          | 1523       | FLG W              | Wind turbine       |
|      | 15686 | ÅSEDA       | 570517.6N 0151859.9E | 627          | 1550       | FLG W              | Wind turbine       |
|      | 15687 | ÅSEDA       | 570524.0N 0151725.1E | 627          | 1568       | FLG W              | Wind turbine       |
|      | 15688 | ÅSEDA       | 570403.2N 0151442.2E | 627          | 1568       | FLG W              | Wind turbine       |
|      | 15689 | ÅSEDA       | 570352.4N 0151410.3E | 627          | 1542       | F R                | Wind turbine       |
|      | 15690 | ÅSEDA       | 570351.4N 0151331.0E | 627          | 1555       | FLG W              | Wind turbine       |
|      | 15691 | ÅSEDA       | 570424.6N 0151832.3E | 627          | 1555       | FLG W              | Wind turbine       |
|      | 15692 | ÅSEDA       | 570416.8N 0151901.8E | 627          | 1539       | F R                | Wind turbine       |
|      | 15693 | ÅSEDA       | 570404.4N 0151924.0E | 627          | 1575       | FLG W              | Wind turbine       |
|      | 15694 | ÅSEDA       | 570350.1N 0151842.4E | 627          | 1535       | F R                | Wind turbine       |
|      | 15695 | ÅSEDA       | 570358.6N 0151813.2E | 627          | 1562       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                      |                      |              |            |                    |  |
|---|-------|----------------------|----------------------|--------------|------------|--------------------|--|
| Area  | No    | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles                             |
|   | 15696 | ÅSEDA                | 570330.6N 0151902.4E | 627          | 1554       | FLG W              | Wind turbine                                   |
|   | 15697 | ÅSEDA                | 570302.9N 0151845.1E | 627          | 1540       | F R                | Wind turbine                                   |
|   | 15698 | ÅSEDA                | 570246.2N 0151837.9E | 627          | 1491       | F R                | Wind turbine                                   |
|   | 15699 | ÅSEDA                | 570231.6N 0151828.4E | 627          | 1492       | FLG W              | Wind turbine                                   |
|   | 15700 | ÅSEDA                | 570319.5N 0151818.0E | 627          | 1522       | F R                | Wind turbine                                   |
|   | 15701 | ÅSEDA                | 570332.4N 0151804.5E | 627          | 1527       | F R                | Wind turbine                                   |
|   | 15702 | ÅSEDA                | 570319.0N 0151740.6E | 627          | 1514       | FLG W              | Wind turbine                                   |
|   | 15703 | ÅSEDA                | 570300.9N 0151814.9E | 627          | 1521       | F R                | Wind turbine                                   |
|   | 15704 | LENHOVDA             | 570223.6N 0151719.7E | 607          | 1488       | FLG W              | Wind turbine                                   |
|   | 15705 | LENHOVDA             | 570244.8N 0151701.2E | 607          | 1518       | FLG W              | Wind turbine                                   |
|   | 15706 | LENHOVDA             | 570223.7N 0151634.4E | 607          | 1503       | F R                | Wind turbine                                   |
|   | 15707 | LENHOVDA             | 570206.0N 0151600.2E | 607          | 1517       | F R                | Wind turbine                                   |
|   | 15708 | LENHOVDA             | 570215.3N 0151526.0E | 607          | 1552       | FLG W              | Wind turbine                                   |
|   | 15709 | LENHOVDA             | 570201.6N 0151521.2E | 607          | 1538       | F R                | Wind turbine                                   |
|   | 15710 | LENHOVDA             | 570144.7N 0151515.7E | 607          | 1528       | FLG W              | Wind turbine                                   |
|   | 15860 | LÖNHULT              | 574516.4N 0150357.9E | 423          | 1375       | F R                | Mast   |
|   | 16830 | NYHOLM               | 570043.9N 0152914.2E | 328          | 1065       | unknown            | Wind turbine                                   |
| 57N 16E   | 145   | LOFTAHAMMAR          | 575435.8N 0164429.2E | 367          | 491        | F R                | Mast   |
|   | 146   | RUDA                 | 570713.2N 0160910.8E | 696          | 999        | F R/FLG W          | Mast, Note:Support cables within radius 300 m. |
|   | 147   | VÄSTERVIK/FÄRHULT    | 574315.3N 0162533.8E | 1099         | 1396       | F R/FLG W          | Mast   |
|   | 148   | VÄSTERVIK/MARIELUND  | 574334.2N 0163933.3E | 417          | 486        | F R                | Mast   |
|   | 149   | OSKARSHAMN/SIMPEVARP | 572446.3N 0164003.8E | 364          | 383        | F R                | Chimney  |
|   | 712   | OSKARSHAMN/SIMPEVARP | 572450.6N 0163935.2E | 338          | 373        | F R                | Mast   |
|   | 1292  | BLANKAHOLM           | 573532.3N 0163006.3E | 344          | 428        | F R                | Mast   |
|   | 4141  | GAMLEBY/LINKÖPING    | 575428.9N 0162350.7E | 344          | 559        | F R                | Mast   |
|   | 4500  | VÄSTERVIK/FÄRHULT    | 574315.0N 0162536.6E | 577          | 878        | F R                | Mast   |
|   | 4906  | OSKARSHAMN/SIMPEVARP | 572458.6N 0164022.9E | 328          | 338        | F R                | Chimney  |
|   | 9872  | MÖNSTERÅS            | 570524.9N 0163124.2E | 492          | 558        | FLG R              | Wind turbine                                   |
|   | 9873  | MÖNSTERÅS            | 570536.1N 0163143.5E | 492          | 541        | FLG R              | Wind turbine                                   |
|   | 9874  | MÖNSTERÅS            | 570549.7N 0163207.4E | 492          | 541        | FLG R              | Wind turbine                                   |
|   | 9875  | MÖNSTERÅS            | 570603.7N 0163232.0E | 492          | 518        | FLG R              | Wind turbine                                   |
|   | 9876  | MÖNSTERÅS            | 570554.3N 0163311.7E | 492          | 512        | FLG R              | Wind turbine                                   |
|   | 9877  | MÖNSTERÅS            | 570542.9N 0163348.4E | 492          | 504        | FLG R              | Wind turbine                                   |
|   | 9954  | MÖNSTERÅS/NYGÅRD     | 570532.6N 0163047.5E | 492          | 535        | FLG R              | Wind turbine                                   |
|   | 9955  | MÖNSTERÅS/NYGÅRD     | 570550.0N 0163119.7E | 492          | 535        | FLG R              | Wind turbine                                   |
|   | 9956  | MÖNSTERÅS/NYGÅRD     | 570604.0N 0163145.5E | 492          | 518        | FLG R              | Wind turbine                                   |
|   | 9957  | MÖNSTERÅS/NYGÅRD     | 570619.5N 0163214.0E | 492          | 520        | FLG R              | Wind turbine                                   |
|   | 10314 | GAMLEBY              | 575023.6N 0162214.8E | 492          | 758        | FLG R              | Wind turbine                                   |
|   | 10315 | GAMLEBY              | 575017.5N 0162146.5E | 492          | 771        | FLG R              | Wind turbine                                   |
|   | 10316 | GAMLEBY              | 575027.6N 0162127.9E | 492          | 810        | FLG R              | Wind turbine                                   |
|   | 10317 | GAMLEBY              | 575038.6N 0162156.5E | 492          | 764        | FLG R              | Wind turbine                                   |
|   | 10318 | GAMLEBY              | 575046.6N 0162133.7E | 492          | 768        | FLG R              | Wind turbine                                   |
|   | 14602 | FLISERYD             | 570723.0N 0161813.9E | 656          | 773        | FLG W              | Wind turbine                                   |
|   | 14603 | FLISERYD             | 570702.9N 0161753.5E | 656          | 807        | FLG W              | Wind turbine                                   |
|   | 14604 | FLISERYD             | 570704.9N 0161853.1E | 656          | 785        | F R                | Wind turbine                                   |
|   | 14605 | FLISERYD             | 570651.2N 0161823.7E | 656          | 805        | F R                | Wind turbine                                   |
|   | 14606 | FLISERYD             | 570630.0N 0161819.4E | 656          | 789        | F R                | Wind turbine                                   |
|   | 14607 | FLISERYD             | 570614.2N 0161820.4E | 656          | 790        | FLG W              | Wind turbine                                   |
|   | 14608 | FLISERYD             | 570639.8N 0161853.7E | 656          | 779        | F R                | Wind turbine                                   |
|   | 14609 | FLISERYD             | 570653.2N 0161929.7E | 656          | 792        | F R                | Wind turbine                                   |
|   | 14610 | FLISERYD             | 570639.6N 0161952.2E | 656          | 802        | FLG W              | Wind turbine                                   |
|   | 14611 | FLISERYD             | 570621.4N 0161900.5E | 656          | 794        | F R                | Wind turbine                                   |
|   | 14612 | FLISERYD             | 570600.7N 0161905.5E | 656          | 813        | F R                | Wind turbine                                   |
|   | 14613 | FLISERYD             | 570543.3N 0161921.7E | 656          | 795        | FLG W              | Wind turbine                                   |
|   | 14614 | FLISERYD             | 570616.4N 0162003.2E | 656          | 810        | F R                | Wind turbine                                   |
|   | 14615 | FLISERYD             | 570617.0N 0162052.6E | 656          | 777        | F R                | Wind turbine                                   |
|   | 14616 | FLISERYD             | 570621.5N 0162129.8E | 656          | 739        | F R                | Wind turbine                                   |
|   | 14617 | FLISERYD             | 570555.9N 0161959.8E | 656          | 800        | F R                | Wind turbine                                   |
|   | 14618 | FLISERYD             | 570601.1N 0162037.9E | 656          | 788        | F R                | Wind turbine                                   |
|   | 14619 | FLISERYD             | 570545.0N 0162019.5E | 656          | 811        | F R                | Wind turbine                                   |
|   | 14620 | FLISERYD             | 570550.4N 0162118.9E | 656          | 767        | F R                | Wind turbine                                   |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                 |                          |              |            |                    |                    |
|---|-------|-----------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation     | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14621 | FLISERYD        | 570531.0N 0162040.7E     | 656          | 812        | FLG W              | Wind turbine       |
|   | 14622 | FLISERYD        | 570530.1N 0162121.2E     | 656          | 753        | F R                | Wind turbine       |
|   | 14623 | FLISERYD        | 570619.1N 0162215.9E     | 656          | 789        | F R                | Wind turbine       |
|   | 14624 | FLISERYD        | 570600.3N 0162208.1E     | 656          | 746        | F R                | Wind turbine       |
|   | 14625 | FLISERYD        | 570530.2N 0162221.6E     | 656          | 756        | FLG W              | Wind turbine       |
|   | 14626 | FLISERYD        | 570559.8N 0162247.9E     | 656          | 784        | F R                | Wind turbine       |
|   | 14627 | FLISERYD        | 570544.4N 0162243.1E     | 656          | 790        | F R                | Wind turbine       |
|   | 14628 | FLISERYD        | 570730.7N 0162248.3E     | 656          | 741        | FLG W              | Wind turbine       |
|   | 14629 | FLISERYD        | 570703.3N 0162308.2E     | 656          | 734        | F R                | Wind turbine       |
|   | 14630 | FLISERYD        | 570646.9N 0162403.3E     | 656          | 738        | F R                | Wind turbine       |
|   | 14631 | FLISERYD        | 570635.4N 0162425.7E     | 656          | 742        | FLG W              | Wind turbine       |
|   | 14632 | FLISERYD        | 570622.0N 0162341.8E     | 656          | 746        | F R                | Wind turbine       |
|   | 14633 | FLISERYD        | 570613.0N 0162413.3E     | 656          | 755        | F R                | Wind turbine       |
|   | 14634 | FLISERYD        | 570616.4N 0162452.3E     | 656          | 722        | F R                | Wind turbine       |
|   | 14635 | FLISERYD        | 570601.3N 0162505.8E     | 656          | 732        | F R                | Wind turbine       |
|   | 14636 | FLISERYD        | 570539.8N 0162439.2E     | 656          | 730        | FLG W              | Wind turbine       |
|   | 14637 | FLISERYD        | 570544.7N 0162519.8E     | 656          | 743        | FLG W              | Wind turbine       |
|   | 15852 | LEBO            | 573807.7N 0162637.9E     | 656          | 773        | FLG W              | Wind turbine       |
|   | 15853 | LEBO            | 573704.1N 0162742.9E     | 656          | 807        | FLG W              | Wind turbine       |
|   | 15854 | LEBO            | 573644.7N 0162748.4E     | 656          | 825        | F R                | Wind turbine       |
|   | 15855 | LEBO            | 573606.0N 0162740.8E     | 656          | 805        | FLG W              | Wind turbine       |
|   | 15856 | LEBO            | 573629.8N 0162658.0E     | 656          | 821        | FLG W              | Wind turbine       |
|   | 15890 | HJORTED         | 573905.3N 0161529.7E     | 656          | 944        | FW                 | Wind turbine       |
|   | 15891 | HJORTED         | 573859.6N 0161528.2E     | 656          | 922        | FLG R              | Wind turbine       |
|   | 15892 | HJORTED         | 573855.1N 0161502.5E     | 656          | 977        | FLG R              | Wind turbine       |
|   | 15893 | HJORTED         | 573859.3N 0161438.4E     | 656          | 992        | FLG R              | Wind turbine       |
|   | 15894 | HJORTED         | 573851.6N 0161410.4E     | 656          | 930        | FLG W              | Wind turbine       |
|   | 15895 | HJORTED         | 573855.2N 0161349.9E     | 656          | 1003       | FLG R              | Wind turbine       |
|   | 15896 | HJORTED         | 573739.3N 0161453.4E     | 656          | 988        | FLG W              | Wind turbine       |
|   | 16473 | SVARTGÖL        | 575054.4N 0162105.1E     | 476          | 750        | unknown            | Wind turbine       |
| 57N 17E   | 152   | BYXELKROK       | 572106.8N 0170406.5E     | 420          | 444        | F R                | Mast               |
|   | 3687  | MELLBÖDA        | 571353.8N 0170420.0E     | 397          | 402        | F R                | Wind turbine       |
|   | 11061 | BÖDA            | 571544.2N 0170001.3E     | 354          | 396        | F R                | Mast               |
|   | 11284 | YTTERGRUND      | 570032.8N 0170016.6E (*) | 446          | 446        | FLG R              | Wind turbine       |
|   | 11285 | YTTERGRUND      | 570019.5N 0170018.8E (*) | 446          | 446        | FLG R              | Wind turbine       |
|   | 11286 | YTTERGRUND      | 570006.1N 0170019.6E (*) | 446          | 446        | FLG R              | Wind turbine       |
| 57N 18E   | 159   | IRE             | 574917.2N 0183627.1E     | 420          | 520        | F R                | Mast               |
|   | 160   | VISBY/FOLLINGBO | 573533.6N 0182222.7E     | 853          | 1109       | F R/FLG W          | Mast               |
|   | 161   | VISBY/YGNE      | 573507.7N 0181101.2E     | 459          | 619        | F R                | Mast               |
|   | 689   | SLITE 2         | 574233.2N 0184812.2E     | 367          | 404        | F R                | Tower              |
|   | 728   | NÄSUDDEN        | 570422.9N 0181327.2E     | 453          | 478        | FLG R              | Wind turbine       |
|   | 1289  | LOJSTA          | 572008.3N 0182046.1E     | 328          | 612        | F R                | Mast               |
|   | 1320  | LJUGARN         | 572109.5N 0184353.0E     | 361          | 413        | F R                | Mast               |
|   | 1449  | SLITE           | 574232.4N 0184804.1E     | 358          | 403        | F R                | Silo               |
|   | 1586  | NÄSUDDEN        | 570420.5N 0181314.6E (*) | 394          | 413        | F R                | Mast               |
|   | 2193  | NÄS             | 570350.3N 0181312.0E (*) | 387          | 394        | F R                | Wind turbine       |
|   | 2214  | NÄS             | 570642.5N 0181311.8E (*) | 410          | 413        | FLG R              | Wind turbine       |
|   | 3249  | NÄS             | 570422.9N 0181353.4E     | 328          | 369        | F R                | Wind turbine       |
|   | 3969  | SMÖJEN          | 574359.9N 0185632.1E (*) | 328          | 361        | F R                | Wind turbine       |
|   | 3970  | SMÖJEN          | 574351.5N 0185640.5E (*) | 328          | 344        | F R                | Wind turbine       |
|   | 3971  | SMÖJEN          | 574342.6N 0185649.7E (*) | 328          | 361        | F R                | Wind turbine       |
|   | 3972  | SMÖJEN          | 574334.5N 0185657.9E (*) | 328          | 351        | F R                | Wind turbine       |
|   | 4031  | STORA VIKERS    | 575006.3N 0184908.4E (*) | 328          | 443        | F R                | Wind turbine       |
|   | 4032  | STORA VIKERS    | 575005.9N 0184928.4E (*) | 328          | 443        | F R                | Wind turbine       |
|   | 4033  | STORA VIKERS    | 575009.6N 0184947.3E (*) | 328          | 443        | F R                | Wind turbine       |
|   | 4034  | STORA VIKERS    | 575014.3N 0185004.4E (*) | 328          | 459        | F R                | Wind turbine       |
|   | 4035  | STORA VIKERS    | 575017.9N 0185022.4E (*) | 328          | 459        | F R                | Wind turbine       |
|   | 4036  | STORA VIKERS    | 575016.6N 0185042.4E (*) | 328          | 456        | F R                | Wind turbine       |
|   | 4195  | NÄSUDDEN        | 570354.6N 0181301.5E (*) | 328          | 341        | -                  | Wind turbine       |
|   | 4355  | LÄRBRO          | 575024.1N 0185038.8E (*) | 364          | 479        | F R                | Wind turbine       |
|   | 4356  | LÄRBRO          | 575027.1N 0185007.4E (*) | 364          | 489        | F R                | Wind turbine       |
|   | 4357  | LÄRBRO          | 575020.5N 0184953.0E (*) | 364          | 489        | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                     |                          |              |            |                    |                      |
|---|-------|---------------------|--------------------------|--------------|------------|--------------------|----------------------|
| Area  | No    | Designation         | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles   |
|   | 5343  | NÄSUDDEN            | 570409.4N 0181428.7E (*) | 410          | 420        | F R                | Wind turbine         |
|   | 9485  | NÄS                 | 570632.2N 0181310.9E (*) | 410          | 417        | FLG R              | Wind turbine         |
|   | 9486  | NÄS                 | 570621.8N 0181310.1E (*) | 410          | 417        | FLG R              | Wind turbine         |
|   | 9487  | NÄS                 | 570611.5N 0181309.3E (*) | 410          | 417        | FLG R              | Wind turbine         |
|   | 9488  | NÄS                 | 570601.1N 0181308.4E (*) | 410          | 417        | FLG R              | Wind turbine         |
|   | 9489  | NÄS                 | 570550.8N 0181307.6E (*) | 410          | 417        | FLG R              | Wind turbine         |
|   | 9494  | GRÖTLINGBO          | 570544.7N 0181949.6E (*) | 410          | 443        | FLG R              | Wind turbine         |
|   | 9495  | GRÖTLINGBO          | 570451.5N 0181949.2E (*) | 410          | 443        | FLG R              | Wind turbine         |
|   | 10113 | LÄRBRO              | 574838.8N 0184543.8E (*) | 489          | 571        | FLG R              | Wind turbine         |
|   | 10114 | LÄRBRO              | 574827.4N 0184601.9E (*) | 489          | 581        | FLG R              | Wind turbine         |
|   | 10368 | KRÄKLINGBO          | 572632.6N 0184601.8E (*) | 459          | 486        | FLG R              | Wind turbine         |
|   | 10387 | NÄSUDDEN            | 570542.4N 0181241.5E (*) | 443          | 449        | FLG R              | Wind turbine         |
|   | 10388 | NÄSUDDEN            | 570531.9N 0181240.7E (*) | 443          | 449        | FLG R              | Wind turbine         |
|   | 10389 | NÄSUDDEN            | 570521.2N 0181239.9E (*) | 443          | 449        | FLG R              | Wind turbine         |
|   | 10390 | NÄSUDDEN            | 570510.9N 0181239.1E (*) | 443          | 453        | FLG R              | Wind turbine         |
|   | 10391 | NÄSUDDEN            | 570500.4N 0181238.2E (*) | 443          | 459        | FLG R              | Wind turbine         |
|   | 10392 | NÄSUDDEN            | 570449.7N 0181237.4E (*) | 443          | 463        | FLG R              | Wind turbine         |
|   | 10393 | NÄSUDDEN            | 570540.4N 0181306.8E (*) | 443          | 456        | FLG R              | Wind turbine         |
|   | 10394 | NÄSUDDEN            | 570508.3N 0181304.3E (*) | 443          | 463        | FLG R              | Wind turbine         |
|   | 10395 | NÄSUDDEN            | 570458.0N 0181303.4E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10396 | NÄSUDDEN            | 570447.7N 0181302.6E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10397 | NÄSUDDEN            | 570529.4N 0181305.9E (*) | 443          | 459        | FLG R              | Wind turbine         |
|   | 10398 | NÄSUDDEN            | 570518.7N 0181305.1E (*) | 443          | 459        | FLG R              | Wind turbine         |
|   | 10399 | NÄSUDDEN            | 570431.5N 0181211.2E (*) | 443          | 449        | FLG R              | Wind turbine         |
|   | 10400 | NÄSUDDEN            | 570412.2N 0181209.6E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10401 | NÄSUDDEN            | 570421.9N 0181210.4E (*) | 443          | 456        | FLG R              | Wind turbine         |
|   | 10402 | NÄSUDDEN            | 570402.5N 0181208.9E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10403 | NÄSUDDEN            | 570352.7N 0181208.1E (*) | 443          | 456        | FLG R              | Wind turbine         |
|   | 10404 | NÄSUDDEN            | 570429.2N 0181235.8E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10405 | NÄSUDDEN            | 570419.5N 0181235.0E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10406 | NÄSUDDEN            | 570400.0N 0181233.4E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10407 | NÄSUDDEN            | 570350.1N 0181232.7E (*) | 443          | 466        | FLG R              | Wind turbine         |
|   | 10408 | SMÖJEN              | 574350.6N 0185710.3E (*) | 456          | 469        | FLG R              | Wind turbine         |
|   | 10751 | STENGRINDE          | 574528.1N 0185153.1E (*) | 492          | 561        | FLG R              | Wind turbine         |
|   | 10791 | STORA VIKERS        | 574937.3N 0184924.3E (*) | 492          | 610        | FLG R              | Wind turbine         |
|   | 12077 | STORUNGS            | 574957.8N 0185043.7E (*) | 492          | 610        | FLG W              | Wind turbine         |
|   | 12103 | STORUNGS            | 574947.7N 0184959.6E (*) | 492          | 614        | FLG W              | Wind turbine         |
|   | 12731 | KRÄKLINGBO          | 572641.1N 0184536.9E (*) | 489          | 522        | FLG R              | Wind turbine         |
|   | 13137 | NÄSUDDEN            | 570439.6N 0181236.6E (*) | 476          | 495        | FLG R              | Wind turbine         |
|   | 13138 | NÄSUDDEN            | 570427.0N 0181301.0E (*) | 476          | 499        | FLG R              | Wind turbine         |
|   | 13139 | NÄSUDDEN            | 570437.3N 0181301.8E (*) | 476          | 499        | FLG R              | Wind turbine         |
|   | 14503 | NÄR                 | 571321.6N 0183857.8E     | 476          | 500        | FLG R              | Wind turbine         |
| 57N 19E   | 165   | BUNGE               | 575155.9N 0190008.0E     | 387          | 575        | F R                | Mast                 |
|   | 999   | HOLMUDDEN           | 575729.7N 0192039.4E     | 666          | 716        | F R/FLG W          | Mast, 40 per min.    |
| 58N 11E   | 170   | GREBBESTAD 2        | 584117.7N 0111530.4E     | 341          | 492        | F R                | Mast                 |
|   | 176   | STRÖMSTAD           | 585607.3N 0111108.8E     | 377          | 544        | F R                | Mast                 |
|   | 177   | UDDEVALLA/HERRESTAD | 582226.5N 0114916.7E     | 1089         | 1621       | F R/FLG W          | Mast                 |
|   | 179   | TANUM               | 584337.3N 0112527.9E     | 387          | 877        | F R                | Mast                 |
|   | 180   | SVANESUND/ORUST     | 581128.1N 0114803.8E     | 417          | 704        | F R                | Mast                 |
|   | 181   | LYSEKIL             | 582044.0N 0112520.1E     | 459          | 542        | F R                | Chimney              |
|   | 719   | STENUNGSUND 3       | 580507.6N 0114931.0E     | 410          | 489        | -                  | Chimney, Torch.      |
|   | 803   | TJÖRNBRON           | 580333.9N 0114640.6E     | 404          | 442        | F R                | Tower                |
|   | 1725  | KUNGSHAMN           | 582125.5N 0111510.2E     | 344          | 455        | F R                | Mast                 |
|   | 3958  | UDDEVALLABRON       | 581927.3N 0115049.1E     | 492          | 492        | F R/FLG W          | Tower, 60 per minute |
|   | 3959  | UDDEVALLABRON       | 581936.2N 0115030.1E     | 492          | 492        | F R/FLG W          | Tower, 60 per minute |
|   | 4433  | TJÖRNBRON           | 580333.0N 0114702.9E     | 404          | 440        | F R                | Tower                |
|   | 4495  | LYSEKIL             | 582046.0N 0112526.4E     | 463          | 543        | F R                | Chimney              |
|   | 7800  | MUNGSERÖD           | 584616.6N 0112241.9E     | 331          | 676        | F R                | Wind turbine         |
|   | 7801  | MUNGSERÖD           | 584628.7N 0112237.4E     | 331          | 682        | F R                | Wind turbine         |
|   | 7802  | MUNGSERÖD           | 584627.4N 0112305.2E     | 331          | 728        | F R                | Wind turbine         |
|   | 7803  | MUNGSERÖD           | 584637.8N 0112251.1E     | 331          | 705        | F R                | Wind turbine         |
|   | 7804  | MUNGSERÖD           | 584637.4N 0112323.8E     | 331          | 781        | F R                | Wind turbine         |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation   | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|---------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 7805  | MUNGSERÖD     | 584646.8N 0112312.8E | 331          | 758        | F R                | Wind turbine       |
|      | 7876  | HÄLLEVADSHOLM | 583616.5N 0113141.4E | 328          | 820        | F R                | Wind turbine       |
|      | 7877  | HÄLLEVADSHOLM | 583528.3N 0112947.3E | 328          | 741        | F R                | Wind turbine       |
|      | 8243  | RÅLANDA       | 582223.0N 0114305.9E | 328          | 610        | F R                | Wind turbine       |
|      | 8670  | ÖDEBORG       | 583159.2N 0115016.5E | 328          | 820        | F R                | Wind turbine       |
|      | 8856  | HUMLEKÄRR     | 582036.0N 0112435.4E | 453          | 614        | FLG R              | Wind turbine       |
|      | 8857  | HUMLEKÄRR     | 582026.5N 0112445.8E | 453          | 688        | FLG R              | Wind turbine       |
|      | 8984  | TANUMSHEDE    | 584009.9N 0112513.3E | 476          | 856        | FLG R              | Wind turbine       |
|      | 8985  | TANUMSHEDE    | 583949.5N 0112539.5E | 476          | 886        | FLG R              | Wind turbine       |
|      | 8986  | TANUMSHEDE    | 583857.7N 0112646.7E | 476          | 888        | FLG R              | Wind turbine       |
|      | 8987  | TANUMSHEDE    | 583910.8N 0112652.9E | 476          | 915        | FLG R              | Wind turbine       |
|      | 8992  | TANUMSHEDE    | 583918.8N 0112608.9E | 476          | 923        | FLG R              | Wind turbine       |
|      | 8993  | TANUMSHEDE    | 583906.2N 0112624.4E | 476          | 909        | FLG R              | Wind turbine       |
|      | 9451  | LUR           | 584908.4N 0111646.1E | 456          | 607        | FLG R              | Wind turbine       |
|      | 9452  | LUR           | 584914.7N 0111624.4E | 456          | 669        | FLG R              | Wind turbine       |
|      | 9453  | LUR           | 584924.5N 0111641.9E | 456          | 656        | FLG R              | Wind turbine       |
|      | 9454  | LUR           | 584935.6N 0111629.8E | 456          | 624        | FLG R              | Wind turbine       |
|      | 9752  | HEDEKAS       | 583711.6N 0114911.1E | 476          | 998        | FLG R              | Wind turbine       |
|      | 9753  | HEDEKAS       | 583654.6N 0114819.3E | 476          | 1058       | FLG R              | Wind turbine       |
|      | 9754  | HEDEKAS       | 583650.7N 0114748.9E | 476          | 1089       | FLG R              | Wind turbine       |
|      | 9755  | HEDEKAS       | 583652.2N 0114857.1E | 476          | 998        | FLG R              | Wind turbine       |
|      | 9756  | HEDEKAS       | 583641.7N 0114824.4E | 476          | 1052       | FLG R              | Wind turbine       |
|      | 9758  | HEDEKAS       | 583627.5N 0114810.2E | 476          | 1101       | FLG R              | Wind turbine       |
|      | 9963  | HERRESTAD     | 582214.6N 0114311.3E | 482          | 775        | FLG R              | Wind turbine       |
|      | 9964  | HERRESTAD     | 582201.2N 0114339.8E | 482          | 806        | FLG R              | Wind turbine       |
|      | 9970  | TEGNEBY/ORUST | 581005.3N 0113840.3E | 459          | 725        | FLG R              | Wind turbine       |
|      | 9971  | TEGNEBY/ORUST | 581019.0N 0113827.0E | 459          | 764        | FLG R              | Wind turbine       |
|      | 9972  | TEGNEBY/ORUST | 581019.9N 0113852.3E | 459          | 758        | FLG R              | Wind turbine       |
|      | 10102 | VIK           | 585157.8N 0111641.1E | 459          | 666        | FLG R              | Wind turbine       |
|      | 10103 | VIK           | 585142.8N 0111651.1E | 459          | 640        | FLG R              | Wind turbine       |
|      | 10104 | VIK           | 585132.4N 0111657.8E | 459          | 666        | FLG R              | Wind turbine       |
|      | 10207 | TÖFTEDAL      | 585227.7N 0114838.4E | 492          | 1135       | FLG R              | Wind turbine       |
|      | 10208 | TÖFTEDAL      | 585215.4N 0114910.0E | 492          | 1198       | FLG R              | Wind turbine       |
|      | 10209 | TÖFTEDAL      | 585155.1N 0114904.9E | 492          | 1188       | FLG R              | Wind turbine       |
|      | 10210 | TÖFTEDAL      | 585153.7N 0114953.6E | 492          | 1211       | FLG R              | Wind turbine       |
|      | 10211 | TÖFTEDAL      | 585138.9N 0114945.3E | 492          | 1188       | FLG R              | Wind turbine       |
|      | 10212 | TÖFTEDAL      | 585134.9N 0114915.3E | 492          | 1191       | FLG R              | Wind turbine       |
|      | 10213 | TÖFTEDAL      | 585121.3N 0114945.9E | 492          | 1207       | FLG R              | Wind turbine       |
|      | 10214 | TÖFTEDAL      | 585105.7N 0114911.7E | 492          | 1198       | FLG R              | Wind turbine       |
|      | 10215 | TÖFTEDAL      | 585054.9N 0114931.2E | 492          | 1217       | FLG R              | Wind turbine       |
|      | 10216 | TÖFTEDAL      | 585051.4N 0114857.3E | 492          | 1184       | FLG R              | Wind turbine       |
|      | 10217 | TÖFTEDAL      | 585040.0N 0114923.9E | 492          | 1198       | FLG R              | Wind turbine       |
|      | 10218 | TÖFTEDAL      | 585031.4N 0115005.3E | 492          | 1165       | FLG R              | Wind turbine       |
|      | 10219 | TÖFTEDAL      | 585023.7N 0115034.8E | 492          | 1099       | FLG R              | Wind turbine       |
|      | 10220 | TÖFTEDAL      | 585028.7N 0115128.1E | 492          | 1053       | FLG R              | Wind turbine       |
|      | 10221 | TÖFTEDAL      | 585035.7N 0115158.2E | 492          | 1086       | FLG R              | Wind turbine       |
|      | 10222 | TÖFTEDAL      | 585231.4N 0114752.3E | 492          | 1096       | FLG R              | Wind turbine       |
|      | 10223 | TÖFTEDAL      | 585103.3N 0115032.6E | 492          | 1158       | FLG R              | Wind turbine       |
|      | 10224 | TÖFTEDAL      | 585055.4N 0115102.6E | 492          | 1109       | FLG R              | Wind turbine       |
|      | 10225 | TÖFTEDAL      | 585120.1N 0115106.7E | 492          | 1112       | FLG R              | Wind turbine       |
|      | 10226 | TÖFTEDAL      | 585113.4N 0115136.3E | 492          | 1132       | FLG R              | Wind turbine       |
|      | 10227 | TÖFTEDAL      | 585059.4N 0115143.5E | 492          | 1083       | FLG R              | Wind turbine       |
|      | 10233 | BOKENÄS       | 581832.1N 0113746.8E | 394          | 877        | FLG R              | Wind turbine       |
|      | 10234 | BOKENÄS       | 581827.6N 0113801.6E | 394          | 841        | FLG R              | Wind turbine       |
|      | 10550 | TOLVMANSTEGEN | 585248.3N 0112450.3E | 492          | 942        | FLG R              | Wind turbine       |
|      | 10551 | TOLVMANSTEGEN | 585247.9N 0112521.8E | 492          | 1018       | FLG R              | Wind turbine       |
|      | 10554 | TOLVMANSTEGEN | 585312.5N 0112418.0E | 492          | 959        | FLG R              | Wind turbine       |
|      | 10555 | TOLVMANSTEGEN | 585315.7N 0112454.4E | 492          | 1053       | FLG R              | Wind turbine       |
|      | 10556 | TOLVMANSTEGEN | 585305.1N 0112508.4E | 492          | 1044       | FLG R              | Wind turbine       |
|      | 10557 | TOLVMANSTEGEN | 585337.8N 0112357.5E | 492          | 945        | FLG R              | Wind turbine       |
|      | 10558 | TOLVMANSTEGEN | 585315.8N 0112530.3E | 492          | 1085       | FLG R              | Wind turbine       |
|      | 10559 | TOLVMANSTEGEN | 585342.9N 0112522.8E | 492          | 1004       | FLG R              | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |               |                      |              |            |                    |                    |
|---|-------|---------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation   | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 10560 | TOLVMANSTEGEN | 585356.2N 0112503.8E | 492          | 1070       | FLG R              | Wind turbine       |
|   | 10561 | TOLVMANSTEGEN | 585405.3N 0112534.1E | 492          | 1106       | FLG R              | Wind turbine       |
|   | 10562 | TOLVMANSTEGEN | 585409.5N 0112510.1E | 492          | 1075       | FLG R              | Wind turbine       |
|   | 10563 | TOLVMANSTEGEN | 585328.2N 0112429.1E | 492          | 978        | FLG R              | Wind turbine       |
|   | 10564 | TOLVMANSTEGEN | 585329.3N 0112456.5E | 492          | 1020       | FLG R              | Wind turbine       |
|   | 10565 | TOLVMANSTEGEN | 585325.3N 0112516.2E | 492          | 1076       | FLG R              | Wind turbine       |
|   | 10566 | TOLVMANSTEGEN | 585341.0N 0112456.3E | 492          | 1056       | FLG R              | Wind turbine       |
|   | 10567 | TOLVMANSTEGEN | 585350.7N 0112412.5E | 492          | 986        | FLG R              | Wind turbine       |
|   | 10568 | TOLVMANSTEGEN | 585348.3N 0112439.9E | 492          | 1017       | FLG R              | Wind turbine       |
|   | 10569 | TOLVMANSTEGEN | 585403.8N 0112434.1E | 492          | 1006       | FLG R              | Wind turbine       |
|   | 10570 | TOLVMANSTEGEN | 585424.5N 0112524.2E | 492          | 1043       | FLG R              | Wind turbine       |
|   | 10571 | TOLVMANSTEGEN | 585421.7N 0112547.9E | 492          | 1043       | FLG R              | Wind turbine       |
|   | 10681 | MUNKEDAL      | 583102.5N 0114417.7E | 492          | 986        | FLG R              | Wind turbine       |
|   | 10682 | MUNKEDAL      | 583114.7N 0114359.8E | 492          | 992        | FLG R              | Wind turbine       |
|   | 10683 | MUNKEDAL      | 583131.8N 0114413.6E | 492          | 1088       | FLG R              | Wind turbine       |
|   | 10949 | HÄLLEVADSHOLM | 583355.6N 0113023.0E | 489          | 896        | FLG R              | Wind turbine       |
|   | 10950 | HÄLLEVADSHOLM | 583402.4N 0113051.9E | 489          | 886        | FLG R              | Wind turbine       |
|   | 11106 | GUNNARBY      | 582423.8N 0114116.8E | 489          | 957        | FLG R              | Wind turbine       |
|   | 11107 | GUNNARBY      | 582405.8N 0114115.1E | 489          | 903        | FLG R              | Wind turbine       |
|   | 11108 | GUNNARBY      | 582417.5N 0114055.5E | 489          | 932        | FLG R              | Wind turbine       |
|   | 11109 | GUNNARBY      | 582340.6N 0114201.8E | 489          | 922        | FLG R              | Wind turbine       |
|   | 11110 | GUNNARP       | 582318.4N 0114235.5E | 489          | 886        | FLG R              | Wind turbine       |
|   | 11111 | GUNNARBY      | 582310.1N 0114302.8E | 489          | 810        | FLG R              | Wind turbine       |
|   | 11112 | GUNNARBY      | 582355.9N 0114121.5E | 489          | 922        | FLG R              | Wind turbine       |
|   | 11113 | GUNNARBY      | 582351.3N 0114139.4E | 489          | 919        | FLG R              | Wind turbine       |
|   | 11258 | DINGLE        | 583212.7N 0112920.2E | 489          | 928        | FLG R              | Wind turbine       |
|   | 11259 | DINGLE        | 583215.4N 0112952.3E | 489          | 919        | FLG R              | Wind turbine       |
|   | 11260 | DINGLE        | 583229.2N 0112959.0E | 489          | 827        | FLG R              | Wind turbine       |
|   | 11261 | DINGLE        | 583202.1N 0112941.5E | 489          | 928        | FLG R              | Wind turbine       |
|   | 11262 | DINGLE        | 583210.1N 0112853.7E | 489          | 951        | FLG R              | Wind turbine       |
|   | 11263 | DINGLE        | 583210.1N 0112824.6E | 489          | 971        | FLG R              | Wind turbine       |
|   | 11264 | DINGLE        | 583239.0N 0113520.4E | 489          | 1004       | FLG R              | Wind turbine       |
|   | 11265 | DINGLE        | 583227.4N 0113548.9E | 489          | 965        | FLG R              | Wind turbine       |
|   | 11266 | DINGLE        | 583234.6N 0113616.7E | 489          | 889        | FLG R              | Wind turbine       |
|   | 11267 | DINGLE        | 583220.7N 0113525.4E | 489          | 981        | FLG R              | Wind turbine       |
|   | 11268 | DINGLE        | 583221.3N 0113627.2E | 489          | 889        | FLG R              | Wind turbine       |
|   | 11269 | DINGLE        | 583233.9N 0113718.8E | 489          | 886        | FLG R              | Wind turbine       |
|   | 11878 | TANUMSHEDE    | 584542.7N 0112449.0E | 492          | 948        | FLG R              | Wind turbine       |
|   | 11879 | TANUMSHEDE    | 584551.9N 0112512.1E | 492          | 978        | FLG R              | Wind turbine       |
|   | 11880 | TANUMSHEDE    | 584609.2N 0112524.8E | 492          | 1021       | FLG R              | Wind turbine       |
|   | 11881 | TANUMSHEDE    | 584621.8N 0112550.1E | 492          | 1039       | FLG R              | Wind turbine       |
|   | 11882 | TANUMSHEDE    | 584608.6N 0112607.3E | 492          | 1017       | FLG R              | Wind turbine       |
|   | 11883 | TANUMSHEDE    | 584552.7N 0112610.7E | 492          | 1043       | FLG R              | Wind turbine       |
|   | 11884 | TANUMSHEDE    | 584536.9N 0112616.9E | 492          | 1007       | FLG R              | Wind turbine       |
|   | 11885 | TANUMSHEDE    | 584529.6N 0112550.5E | 492          | 984        | FLG R              | Wind turbine       |
|   | 11886 | TANUMSHEDE    | 584613.9N 0112631.3E | 492          | 1066       | FLG R              | Wind turbine       |
|   | 11887 | TANUMSHEDE    | 584602.8N 0112654.2E | 492          | 1071       | FLG R              | Wind turbine       |
|   | 11888 | TANUMSHEDE    | 584547.2N 0112648.3E | 492          | 1013       | FLG R              | Wind turbine       |
|   | 11989 | TANUMSHEDE    | 584647.2N 0112344.5E | 476          | 928        | FLG R              | Wind turbine       |
|   | 11990 | TANUMSHEDE    | 584659.7N 0112332.3E | 476          | 928        | FLG R              | Wind turbine       |
|   | 11991 | TANUMSHEDE    | 584614.6N 0112318.6E | 476          | 906        | FLG R              | Wind turbine       |
|   | 11992 | TANUMSHEDE    | 584631.3N 0112341.4E | 476          | 942        | FLG R              | Wind turbine       |
|   | 11993 | TANUMSHEDE    | 584635.8N 0112408.8E | 476          | 948        | FLG R              | Wind turbine       |
|   | 11994 | TANUMSHEDE    | 584606.3N 0112405.8E | 476          | 935        | FLG R              | Wind turbine       |
|   | 11995 | TANUMSHEDE    | 584618.9N 0112419.1E | 476          | 958        | FLG R              | Wind turbine       |
|   | 11996 | TANUMSHEDE    | 584631.3N 0112439.0E | 476          | 1020       | FLG R              | Wind turbine       |
|   | 12201 | TANUMSHEDE    | 584444.0N 0112646.9E | 492          | 908        | FLG R              | Wind turbine       |
|   | 12384 | STENUNGSUND   | 580741.7N 0115537.3E | 410          | 849        | FLG R              | Wind turbine       |
|   | 12822 | HÄLLEVADSHOLM | 583346.4N 0113001.1E | 492          | 837        | FLG R              | Wind turbine       |
|   | 12991 | TANUMSHEDE    | 584556.1N 0112424.8E | 364          | 768        | FLG R              | Wind turbine       |
|   | 12992 | TANUMSHEDE    | 584607.2N 0112441.7E | 364          | 792        | FLG R              | Wind turbine       |
|   | 12993 | TANUMSHEDE    | 584618.1N 0112500.0E | 364          | 848        | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                        |                          |              |            |                    |                    |
|---|-------|------------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation            | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 12994 | TANUMSHEDE             | 584628.5N 0112508.2E     | 364          | 859        | FLG R              | Wind turbine       |
|   | 13881 | SKEE                   | 585429.9N 0111833.2E     | 492          | 850        | FLG R              | Wind turbine       |
|   | 13882 | SKEE                   | 585416.7N 0111849.0E     | 492          | 820        | FLG R              | Wind turbine       |
|   | 15322 | LUR                    | 585048.2N 0112003.9E     | 656          | 1004       | FLG W              | Wind turbine       |
|   | 15323 | LUR                    | 585025.7N 0111941.5E     | 656          | 978        | FLG W              | Wind turbine       |
|   | 15324 | LUR                    | 585034.0N 0112016.5E     | 656          | 997        | FLG W              | Wind turbine       |
|   | 15325 | SKEE                   | 585349.1N 0111557.2E     | 656          | 961        | FLG W              | Wind turbine       |
|   | 15326 | SKEE                   | 585320.9N 0111521.3E     | 656          | 909        | FLG W              | Wind turbine       |
|   | 15327 | SKEE                   | 585341.3N 0111524.5E     | 656          | 915        | F R                | Wind turbine       |
|   | 15328 | SKEE                   | 585253.8N 0111555.8E     | 656          | 797        | FLG W              | Wind turbine       |
|   | 15329 | SKEE                   | 585303.3N 0111534.2E     | 656          | 810        | F R                | Wind turbine       |
|   | 15330 | SKEE                   | 585316.9N 0111548.9E     | 656          | 892        | F R                | Wind turbine       |
|   | 15331 | SKEE                   | 585334.1N 0111549.8E     | 656          | 942        | F R                | Wind turbine       |
|   | 15666 | TORMOSERÖD             | 585138.6N 0112442.6E     | 656          | 1112       | FLG W              | Wind turbine       |
|   | 15667 | TORMOSERÖD             | 585136.8N 0112522.0E     | 656          | 1137       | F R                | Wind turbine       |
|   | 15668 | TORMOSERÖD             | 585140.1N 0112603.9E     | 656          | 1197       | F R                | Wind turbine       |
|   | 15669 | TORMOSERÖD             | 585154.7N 0112632.5E     | 656          | 1189       | FLG W              | Wind turbine       |
|   | 15670 | TORMOSERÖD             | 585151.6N 0112717.0E     | 656          | 1249       | F R                | Wind turbine       |
|   | 15671 | TORMOSERÖD             | 585146.2N 0112749.4E     | 656          | 1284       | FLG W              | Wind turbine       |
|   | 15672 | TORMOSERÖD             | 585130.9N 0112636.3E     | 656          | 1170       | F R                | Wind turbine       |
|   | 15673 | TORMOSERÖD             | 585119.8N 0112539.4E     | 656          | 1115       | FLG W              | Wind turbine       |
|   | 15674 | TORMOSERÖD             | 585105.5N 0112632.7E     | 656          | 1168       | F R                | Wind turbine       |
|   | 15675 | TORMOSERÖD             | 585128.0N 0112741.0E     | 656          | 1263       | F R                | Wind turbine       |
|   | 15676 | TORMOSERÖD             | 585107.1N 0112712.0E     | 656          | 1203       | FLG W              | Wind turbine       |
|   | 16244 | MOSOTEN                | 585348.9N 0114810.8E     | 390          | 1141       | unknown            | Mast               |
|   | 16254 | RUNNEMYR               | 585317.6N 0112347.1E     | 492          | 895        | unknown            | Wind turbine       |
|   | 16255 | LESTINGS MYR           | 585302.5N 0112436.8E     | 492          | 980        | unknown            | Wind turbine       |
|   | 16881 | ALMÖN                  | 580334.7N 0114640.8E     | 387          | 423        | unknown            | Bridge             |
|   | 16921 | LUNNEBUKTEN            | 582045.5N 0112540.8E     | 331          | 454        | unknown            | Chimney            |
|   | 16922 | LUNNEBUKTEN            | 582042.9N 0112543.4E     | 348          | 468        | unknown            | Chimney            |
|   | 17032 | STENUNGSUND            | 580332.3N 0114702.6E     | 390          | 422        | F R                | Bridge             |
| 58N 12E   | 186   | BÄCKEFORS              | 584920.1N 0121201.0E     | 1073         | 1820       | F R/FLG W          | Mast               |
|   | 191   | TROLLHÄTTAN/STRÖMSLUND | 581721.7N 0121637.7E     | 397          | 688        | F R                | Mast               |
|   | 4524  | BÄCKEFORS              | 584920.3N 0121200.8E     | 449          | 1197       | -                  | Mast               |
|   | 5161  | SKOG                   | 583304.3N 0125919.7E (*) | 328          | 538        | F R                | Wind turbine       |
|   | 5295  | HÄBERG                 | 582002.4N 0123443.9E     | 328          | 489        | F R                | Wind turbine       |
|   | 5786  | FLO HALLEBO            | 582038.0N 0123740.1E     | 328          | 511        | F R                | Wind turbine       |
|   | 5971  | VÅRGÅRDA               | 580025.4N 0123348.3E     | 354          | 916        | F R                | Mast               |
|   | 6430  | FRITTORP               | 582046.8N 0124732.0E     | 328          | 561        | F R                | Wind turbine       |
|   | 7098  | BREDVIKEN              | 583232.4N 0123140.6E     | 328          | 531        | F R                | Wind turbine       |
|   | 7631  | ERIKSTAD               | 583717.4N 0122558.9E     | 328          | 541        | F R                | Wind turbine       |
|   | 7767  | BOLSTAD                | 583431.0N 0122739.9E     | 328          | 525        | F R                | Wind turbine       |
|   | 8466  | LILLA EDET             | 580833.8N 0120851.7E     | 331          | 784        | F R                | Wind turbine       |
|   | 8516  | VARA                   | 581347.0N 0125955.2E (*) | 328          | 614        | F R                | Wind turbine       |
|   | 8583  | JÄRN                   | 583928.1N 0123153.3E     | 328          | 531        | F R                | Wind turbine       |
|   | 8608  | SÖDRA HÄRENE           | 580718.3N 0125126.1E     | 328          | 655        | F R                | Wind turbine       |
|   | 8666  | BRÅLANDA               | 583446.3N 0122242.2E     | 328          | 526        | F R                | Wind turbine       |
|   | 8667  | BRÅLANDA               | 583522.5N 0122226.9E     | 328          | 512        | F R                | Wind turbine       |
|   | 8671  | BOLSTAD                | 583716.0N 0123142.8E     | 328          | 501        | F R                | Wind turbine       |
|   | 8672  | GRINSTAD               | 583718.3N 0123158.9E     | 328          | 500        | F R                | Wind turbine       |
|   | 8711  | BOLSTAD                | 583604.5N 0123319.5E     | 456          | 623        | F R                | Wind turbine       |
|   | 8712  | BOLSTAD                | 583610.2N 0123346.1E     | 456          | 625        | F R                | Wind turbine       |
|   | 8713  | BOLSTAD                | 583602.3N 0123403.5E     | 456          | 625        | F R                | Wind turbine       |
|   | 8724  | ARENTORP               | 581248.4N 0124934.9E     | 328          | 619        | F R                | Wind turbine       |
|   | 8876  | ST LEVENE              | 581859.2N 0125821.6E (*) | 328          | 561        | F R                | Wind turbine       |
|   | 8886  | VARA                   | 581549.8N 0125437.3E (*) | 328          | 587        | F R                | Wind turbine       |
|   | 9103  | VÄNERSNÄS              | 582801.5N 0123639.4E     | 328          | 488        | FLG R              | Wind turbine       |
|   | 9119  | ERIKSTAD               | 583725.1N 0122338.8E     | 459          | 686        | FLG R              | Wind turbine       |
|   | 9120  | ERIKSTAD               | 583727.9N 0122407.0E     | 459          | 682        | FLG R              | Wind turbine       |
|   | 9121  | ERIKSTAD               | 583712.7N 0122421.2E     | 459          | 679        | FLG R              | Wind turbine       |
|   | 9122  | ERIKSTAD               | 583710.5N 0122343.8E     | 459          | 685        | FLG R              | Wind turbine       |
|   | 9134  | ERIKSTAD               | 583528.0N 0122501.9E     | 459          | 653        | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |               |                          |              |            |                    |                    |
|---|-------|---------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation   | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 9135  | ERIKSTAD      | 583516.8N 0122520.4E     | 459          | 653        | FLG R              | Wind turbine       |
|   | 9178  | STORA MELLBY  | 581000.9N 0123825.6E     | 328          | 738        | FLG R              | Wind turbine       |
|   | 9254  | ST LEVENE     | 581925.9N 0125741.2E (*) | 328          | 571        | F R                | Wind turbine       |
|   | 9302  | RYDA          | 581714.1N 0125358.9E (*) | 335          | 597        | FLG R              | Wind turbine       |
|   | 9408  | HÄBERG        | 581948.1N 0123459.5E     | 492          | 656        | FLG R              | Wind turbine       |
|   | 9409  | HÄBERG        | 582007.7N 0123506.6E     | 492          | 656        | FLG R              | Wind turbine       |
|   | 9410  | GRÅSTORP      | 582106.9N 0123730.3E     | 492          | 667        | FLG R              | Wind turbine       |
|   | 9417  | VARA          | 581603.6N 0125219.6E (*) | 328          | 600        | F R                | Wind turbine       |
|   | 9446  | HÅKANTORP     | 581816.9N 0125541.2E (*) | 456          | 696        | FLG R              | Wind turbine       |
|   | 9447  | HÅKANTORP     | 581831.1N 0125559.6E (*) | 456          | 692        | FLG R              | Wind turbine       |
|   | 9471  | GRINSTAD      | 583635.0N 0123026.5E     | 456          | 621        | FLG R              | Wind turbine       |
|   | 9472  | GRINSTAD      | 583618.5N 0123029.8E     | 456          | 621        | FLG R              | Wind turbine       |
|   | 9482  | VARA          | 581655.6N 0125918.9E (*) | 459          | 719        | FLG R              | Wind turbine       |
|   | 9483  | VARA          | 581702.2N 0125829.9E (*) | 459          | 719        | FLG R              | Wind turbine       |
|   | 9484  | VARA          | 581658.8N 0125855.5E (*) | 459          | 712        | FLG R              | Wind turbine       |
|   | 9542  | ESSUNGA       | 581144.9N 0124949.6E     | 492          | 784        | FLG R              | Wind turbine       |
|   | 9543  | ESSUNGA       | 581132.1N 0124940.9E     | 509          | 807        | FLG R              | Wind turbine       |
|   | 9717  | LILLA EDET    | 580829.4N 0120905.1E     | 331          | 797        | FLG R              | Wind turbine       |
|   | 9774  | FLAKEBERG     | 582012.0N 0124707.1E     | 459          | 687        | FLG R              | Wind turbine       |
|   | 9775  | FLAKEBERG     | 581959.3N 0124714.9E     | 459          | 688        | FLG R              | Wind turbine       |
|   | 9776  | FLAKEBERG     | 581946.7N 0124722.6E     | 459          | 692        | FLG R              | Wind turbine       |
|   | 9777  | FLAKEBERG     | 581923.3N 0124829.5E     | 459          | 702        | FLG R              | Wind turbine       |
|   | 9778  | VARA          | 581922.2N 0124802.4E     | 459          | 693        | FLG R              | Wind turbine       |
|   | 9817  | LILLA EDET    | 580854.0N 0120938.8E     | 456          | 906        | FLG R              | Wind turbine       |
|   | 9818  | LILLA EDET    | 580845.3N 0120839.4E     | 456          | 841        | FLG R              | Wind turbine       |
|   | 9819  | LILLA EDET    | 580859.9N 0121004.5E     | 456          | 843        | FLG R              | Wind turbine       |
|   | 9830  | GRÅSTORP      | 582141.2N 0123655.4E     | 492          | 662        | FLG R              | Wind turbine       |
|   | 9987  | GRINSTAD      | 583742.0N 0123004.6E     | 492          | 689        | FLG R              | Wind turbine       |
|   | 10016 | ERIKSTAD      | 583710.0N 0122542.5E     | 492          | 707        | FLG R              | Wind turbine       |
|   | 10074 | ERIKSTAD      | 583830.0N 0122556.6E     | 492          | 704        | FLG R              | Wind turbine       |
|   | 10075 | ERIKSTAD      | 583821.9N 0122625.2E     | 492          | 702        | FLG R              | Wind turbine       |
|   | 10078 | SVECKLINGEBYN | 583924.7N 0122335.4E     | 492          | 723        | FLG R              | Wind turbine       |
|   | 10079 | SVECKLINGEBYN | 583908.9N 0122354.1E     | 492          | 719        | FLG R              | Wind turbine       |
|   | 10080 | BOLSTAD       | 583414.4N 0122807.2E     | 489          | 671        | FLG R              | Wind turbine       |
|   | 10125 | BOLSTAD       | 583455.5N 0122930.0E     | 489          | 654        | FLG R              | Wind turbine       |
|   | 10126 | BOLSTAD       | 583459.9N 0122901.3E     | 489          | 653        | FLG R              | Wind turbine       |
|   | 10127 | BRÅLANDA      | 583438.0N 0122223.5E     | 489          | 686        | FLG R              | Wind turbine       |
|   | 10128 | BRÅLANDA      | 583436.8N 0122153.1E     | 489          | 689        | FLG R              | Wind turbine       |
|   | 10203 | LILLA EDET    | 580916.7N 0120846.9E     | 492          | 924        | FLG R              | Wind turbine       |
|   | 10204 | LILLA EDET    | 580901.5N 0120856.6E     | 492          | 912        | FLG R              | Wind turbine       |
|   | 10205 | LILLA EDET    | 580822.3N 0120931.7E     | 492          | 914        | FLG R              | Wind turbine       |
|   | 10278 | RANGELTORP    | 581323.5N 0125955.2E (*) | 489          | 784        | FLG R              | Wind turbine       |
|   | 10504 | GRÅSTORP      | 581738.1N 0124636.6E     | 459          | 709        | FLG R              | Wind turbine       |
|   | 10505 | GRÅSTORP      | 581721.9N 0124629.2E     | 459          | 712        | FLG R              | Wind turbine       |
|   | 10761 | LILLA EDET    | 580617.3N 0120423.9E     | 459          | 932        | FLG R              | Wind turbine       |
|   | 10762 | LILLA EDET    | 580633.0N 0120448.9E     | 459          | 887        | FLG R              | Wind turbine       |
|   | 13130 | RÅNSLIDEN     | 585025.9N 0121903.6E     | 656          | 1322       | FLG W              | Wind turbine       |
|   | 13131 | RÅNSLIDEN     | 585009.3N 0121857.7E     | 656          | 1273       | F R                | Wind turbine       |
|   | 13132 | RÅNSLIDEN     | 584951.2N 0121855.0E     | 656          | 1260       | FLG W              | Wind turbine       |
|   | 13133 | RÅNSLIDEN     | 585030.9N 0121827.3E     | 656          | 1319       | F R                | Wind turbine       |
|   | 13134 | RÅNSLIDEN     | 585014.5N 0121812.8E     | 656          | 1322       | F R                | Wind turbine       |
|   | 13135 | RÅNSLIDEN     | 584958.4N 0121817.1E     | 656          | 1306       | FLG W              | Wind turbine       |
|   | 13136 | RÅNSLIDEN     | 585026.9N 0121750.5E     | 656          | 1322       | FLG W              | Wind turbine       |
|   | 14406 | SVENSHÖGEN    | 580949.3N 0120042.6E     | 591          | 1066       | FLG W              | Wind turbine       |
|   | 14407 | SVENSHÖGEN    | 580926.6N 0120047.0E     | 591          | 1102       | FLG W              | Wind turbine       |
|   | 14408 | SVENSHÖGEN    | 580933.8N 0120142.9E     | 591          | 1102       | FLG W              | Wind turbine       |
|   | 14440 | SVARTEHALLEN  | 580656.6N 0120023.4E     | 591          | 1063       | FLG W              | Wind turbine       |
|   | 14441 | SVARTEHALLEN  | 580620.0N 0120059.6E     | 591          | 1073       | FLG W              | Wind turbine       |
|   | 14442 | SVARTEHALLEN  | 580619.1N 0120134.1E     | 591          | 1083       | FLG W              | Wind turbine       |
|   | 15225 | KINGEBOL      | 585539.0N 0123403.7E     | 656          | 1073       | FLG R              | Wind turbine       |
|   | 15226 | KINGEBOL      | 585520.1N 0123340.4E     | 656          | 1073       | FLG R              | Wind turbine       |
|   | 15227 | KINGEBOL      | 585456.4N 0123338.2E     | 656          | 1040       | FLG W              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |            |                          |                          |              |            |                    |                    |
|---|------------|--------------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No         | Designation              | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 58N 13E   | 15228      | KINGEBOL                 | 585510.0N 0123410.2E     | 656          | 1060       | FLG W              | Wind turbine       |
|   | 15229      | KINGEBOL                 | 585534.3N 0123322.6E     | 656          | 1099       | FLG W              | Wind turbine       |
|   | 15230      | KINGEBOL                 | 585553.1N 0123354.0E     | 656          | 1076       | FLG W              | Wind turbine       |
|   | 16249      | LILLA FÅRHAGA            | 581126.8N 0125704.8E     | 328          | 636        | unknown            | Wind turbine       |
|   | 16250      | HASSLEDALEN              | 583215.5N 0123121.3E     | 492          | 709        | unknown            | Wind turbine       |
|   | 16251      | JÄRBORÖS                 | 583212.4N 0123147.2E     | 492          | 716        | unknown            | Wind turbine       |
|   | 16252      | HASSLEDALEN              | 583159.3N 0123134.6E     | 492          | 707        | unknown            | Wind turbine       |
|   | 199        | SKÖVDE/BILLINGEN         | 582435.2N 0134848.5E     | 1070         | 2000       | FLG W              | Mast               |
|   | 776        | BILLINGEN 2              | 582604.0N 0134907.0E     | 358          | 1317       | F R                | Mast               |
|   | 4523       | SKÖVDE/BILLINGEN         | 582435.4N 0134847.9E     | 328          | 1265       | F R                | Mast               |
|   | 5759       | STORA LUND               | 582816.2N 0132758.7E (*) | 328          | 741        | F R                | Wind turbine       |
|   | 6000       | ERIKSTORP                | 582743.6N 0133220.8E (*) | 328          | 735        | F R                | Wind turbine       |
|   | 6188       | MÄRENE                   | 582532.1N 0132915.2E (*) | 328          | 728        | F R                | Wind turbine       |
|   | 6233       | SKARA                    | 582721.8N 0133431.6E (*) | 328          | 755        | F R                | Wind turbine       |
|   | 6368       | NOLGÅRDEN                | 580505.3N 0134233.6E (*) | 328          | 1083       | F R                | Wind turbine       |
|   | 6689       | BROBY                    | 583005.2N 0132217.1E (*) | 328          | 545        | F R                | Wind turbine       |
|   | 6786       | MÖRKAGÅRDEN              | 581700.9N 0131332.6E (*) | 328          | 630        | F R                | Wind turbine       |
|   | 6963       | LEDSJÖ                   | 582806.5N 0132909.0E (*) | 328          | 758        | F R                | Wind turbine       |
|   | 6981       | LEDSJÖ                   | 582724.7N 0132807.5E (*) | 328          | 725        | F R                | Wind turbine       |
|   | 7060       | LUNDSBRUNN               | 582910.6N 0132400.9E (*) | 328          | 577        | F R                | Wind turbine       |
|   | 7249       | N VÅNGA                  | 581627.2N 0131529.0E (*) | 328          | 653        | F R                | Wind turbine       |
|   | 7408       | SKÅNINGS-ÅSAKA           | 582544.5N 0133009.4E (*) | 328          | 722        | F R                | Wind turbine       |
|   | 7409       | STOMMEN                  | 582312.1N 0131206.9E (*) | 328          | 561        | F R                | Wind turbine       |
|   | 7595       | DIMBO                    | 580934.4N 0134836.1E (*) | 328          | 1115       | F R                | Wind turbine       |
|   | 7643       | LUNDSBRUNN               | 582802.4N 0132743.2E (*) | 328          | 738        | F R                | Wind turbine       |
|   | 7687       | HANGELÖSA                | 582811.0N 0132037.9E (*) | 328          | 587        | F R                | Wind turbine       |
|   | 7721       | BROBY                    | 582937.1N 0132235.2E (*) | 328          | 568        | F R                | Wind turbine       |
|   | 7722       | SKALLMEJA                | 582349.7N 0131138.5E (*) | 328          | 564        | F R                | Wind turbine       |
|   | 7840       | SANDHEM                  | 580055.0N 0134903.6E (*) | 328          | 1250       | F R                | Wind turbine       |
|   | 7905       | KINNARP                  | 580510.1N 0132917.0E (*) | 331          | 981        | F R                | Wind turbine       |
|   | 8326       | EGGBY                    | 582618.6N 0133530.9E (*) | 328          | 761        | F R                | Wind turbine       |
|   | 8330       | BRUNNSGRÅDEN             | 580448.1N 0134254.7E (*) | 335          | 1086       | F R                | Wind turbine       |
|   | 8331       | BROBY                    | 583014.7N 0132135.1E (*) | 335          | 564        | F R                | Wind turbine       |
|   | 8350       | KVÅNUM                   | 581706.3N 0131346.5E (*) | 331          | 633        | F R                | Wind turbine       |
|   | 8351       | KVÅNUM                   | 581710.5N 0131333.0E (*) | 331          | 633        | F R                | Wind turbine       |
|   | 8387       | LANNA                    | 582143.1N 0130918.8E (*) | 459          | 705        | F R                | Wind turbine       |
|   | 8388       | LANNA                    | 582133.9N 0130936.6E (*) | 459          | 709        | F R                | Wind turbine       |
|   | 8417       | SALEBY                   | 582254.8N 0131211.9E (*) | 335          | 574        | FLG R              | Wind turbine       |
|   | 8497       | LUNDSBRUNN               | 582712.0N 0133036.5E (*) | 328          | 741        | FLG R              | Wind turbine       |
|   | 8515       | SKÅNINGS ÅSAKA           | 582656.9N 0133313.7E (*) | 328          | 761        | F R                | Wind turbine       |
|   | 8517       | FALKÖPING                | 580701.5N 0132640.4E (*) | 328          | 971        | F R                | Wind turbine       |
|   | 8522       | HÄRJEVAD                 | 582224.0N 0130325.0E (*) | 328          | 558        | FLG R              | Wind turbine       |
|   | 8573       | SYNNERBY                 | 582244.3N 0131759.2E (*) | 390          | 686        | FLG R              | Wind turbine       |
|   | 8574       | SYNNERBY                 | 582242.0N 0131823.4E (*) | 390          | 689        | FLG R              | Wind turbine       |
|   | 8575       | LUTTRA                   | 580650.9N 0133338.4E (*) | 390          | 1119       | FLG R              | Wind turbine       |
|   | 8578       | LOVENE                   | 582559.8N 0130233.0E (*) | 328          | 528        | FLG R              | Wind turbine       |
|   | 8579       | HJÅLSTAD                 | 583553.2N 0135940.3E     | 335          | 581        | F R                | Wind turbine       |
|   | 8622       | N VÅNGA                  | 581550.1N 0131519.1E (*) | 328          | 659        | FLG R              | Wind turbine       |
|   | 8668       | KVÅNUM                   | 581814.4N 0130828.1E (*) | 459          | 719        | FLG R              | Wind turbine       |
|   | 8688       | SKÖRSTORP                | 580721.6N 0134446.7E (*) | 456          | 1243       | F R                | Wind turbine       |
|   | 8689       | SKÖRSTORP                | 580712.4N 0134450.8E (*) | 456          | 1243       | F R                | Wind turbine       |
|   | 8690       | SKÖRSTORP                | 580702.2N 0134457.5E (*) | 456          | 1250       | F R                | Wind turbine       |
| 8722  | KVÅNUM     | 581807.1N 0130742.8E (*) | 459                      | 719          | FLG R      | Wind turbine       |                    |
| 8845  | BROBY      | 582957.2N 0132230.1E (*) | 328                      | 558          | F R        | Wind turbine       |                    |
| 8846  | BROBY      | 582948.2N 0132238.5E (*) | 328                      | 561          | FLG W      | Wind turbine       |                    |
| 8850  | ESKILSÅTER | 585811.9N 0131237.2E     | 328                      | 538          | F R        | Wind turbine       |                    |
| 8871  | FALKÖPING  | 580620.6N 0132640.2E (*) | 328                      | 968          | F R        | Wind turbine       |                    |
| 8973  | YLLESTAD   | 580318.5N 0134346.6E (*) | 328                      | 1109         | F R        | Wind turbine       |                    |
| 9075  | VEDUM      | 581232.2N 0130319.9E (*) | 328                      | 646          | F R        | Wind turbine       |                    |
| 9089  | SANDHEM    | 580106.7N 0134920.6E (*) | 459                      | 1378         | FLG R      | Wind turbine       |                    |
| 9209  | HASSLÖSA   | 582542.1N 0131510.6E (*) | 328                      | 597          | F R        | Wind turbine       |                    |
| 9210  | GUDHEM     | 581318.5N 0133327.4E (*) | 328                      | 1076         | F R        | Wind turbine       |                    |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |                    |                            |                          |                      |            |                    |                    |      |
|---|--------------------|----------------------------|--------------------------|----------------------|------------|--------------------|--------------------|------|
| Area  | No                 | Designation                | Coordinates              | Height<br>ft         | Elev<br>ft | Light<br>Character | Types of obstacles |      |
| 59N 18E   | 325                | BROTBY                     | 593524.0N 0182156.3E     | 407                  | 643        | F R                | Mast               |      |
|   | 329                | ORNÖ                       | 590117.0N 0182252.9E     | 358                  | 447        | F R                | Mast               |      |
|   | 332                | VÄDDÖ                      | 595805.7N 0185023.8E     | 505                  | 623        | F R/FLG W          | Mast               |      |
|   | 337                | ÅGESTA                     | 591222.4N 0180506.2E     | 397                  | 606        | F R                | Mast               |      |
|   | 338                | STOCKHOLM/DJURGÅRDEN       | 591923.7N 0180549.1E     | 328                  | 340        | F R/FLG W          | Tower              |      |
|   | 339                | STOCKHOLM/HÖGDALEN         | 591523.5N 0180341.3E     | 459                  | 613        | F R                | Chimney            |      |
|   | 340                | STOCKHOLM/KAKNÄS           | 592006.2N 0180736.5E     | 518                  | 582        | F R/FLG W          | Tower              |      |
|   | 341                | STOCKHOLM/KLARA K:A        | 591952.4N 0180340.0E     | 348                  | 375        | -                  | Church             |      |
|   | 342                | STOCKHOLM/NACKA            | 591751.4N 0181022.7E     | 984                  | 1174       | F R/FLG W          | Mast               |      |
|   | 343                | STOCKHOLM/STADSHUSET       | 591938.2N 0180321.6E     | 344                  | 348        | -                  | Building           |      |
|   | 345                | STOCKHOLM/VÄRTAN2(B)       | 592112.3N 0180611.7E     | 463                  | 528        | F R                | Chimney            |      |
|   | 924                | STOCKHOLM/HAMMARBY         | 591800.6N 0180553.6E     | 348                  | 442        | F R                | Tower              |      |
|   | 972                | STOCKHOLM/HAMMARBYGÅRD     | 591820.6N 0180541.8E     | 344                  | 385        | F R                | Chimney            |      |
|   | 1146               | BLADÅKER                   | 595937.5N 0181803.3E     | 354                  | 454        | F R                | Mast               |      |
|   | 1399               | VAXTUNA                    | 593628.8N 0183623.1E     | 344                  | 448        | F R                | Mast               |      |
|   | 1400               | SONÖ                       | 595352.1N 0183613.8E     | 331                  | 414        | F R                | Mast               |      |
|   | 1498               | NYSÄTTRA                   | 594916.2N 0185310.3E     | 341                  | 406        | F R                | Mast               |      |
|   | 1530               | STOCKHOLM/LIDINGÖ          | 592038.4N 0180933.4E     | 328                  | 335        | F R                | Chimney            |      |
|   | 1569               | STOCKHOLM/SKATTEHUSET      | 591843.5N 0180424.8E     | 361                  | 439        | -                  | Building           |      |
|   | 2026               | ÅKERSBERGA/LADVIK          | 592519.1N 0181402.0E     | 344                  | 468        | F R                | Mast               |      |
|   | 2371               | GOTTRÖRA                   | 594456.6N 0180638.9E     | 341                  | 454        | F R                | Mast               |      |
|   | 3331               | RÖ/LOVISEDAL               | 594007.5N 0182753.8E     | 417                  | 637        | F R                | Mast               |      |
|   | 3397               | KÄPPALA                    | 592119.7N 0181334.7E     | 492                  | 555        | F R                | Chimney            |      |
|   | 4414               | STOCKHOLM/VÄRTAN2          | 592111.8N 0180603.4E     | 341                  | 402        | -                  | Chimney            |      |
|   | 4415               | STOCKHOLM                  | 591746.0N 0181034.9E     | 984                  | 1172       | F R/FLG W          | Mast               |      |
|   | 7353               | NORRA LJUSTERÖ             | 593046.2N 0183617.6E     | 328                  | 453        | F R                | Wind turbine       |      |
|   | 10896              | SVANBERGA                  | 595006.9N 0184206.2E     | 492                  | 525        | FLG R              | Wind turbine       |      |
|   | 10897              | SVANBERGA                  | 594947.9N 0184042.7E     | 492                  | 541        | FLG R              | Wind turbine       |      |
|   | 11277              | GRÖNA LUND                 | 591922.7N 0180546.6E     | 397                  | 410        | F R                | Tower              |      |
|   | 12717              | NORRA LJUSTERÖ             | 593054.9N 0183609.3E     | 492                  | 571        | FLG R              | Wind turbine       |      |
|   | 13368              | STOCKHOLM                  | 592045.9N 0180202.8E     | 420                  | 474        | F R                | Building           |      |
|   | 13904              | STOCKHOLM/HAMMARBY SJÖSTAD | 591804.2N 0180459.8E     | 367                  | 410        | F R                | Building           |      |
|   | 15883              | NACKA                      | 591823.8N 0180713.8E     | 377                  | 435        | F R                | Building           |      |
|   | 16606              | HAMMARBYLEDEN              | 591812.3N 0180508.5E     | 338                  | 356        | unknown            | Chimney            |      |
|   | 16632              | TORSPLAN                   | 592044.6N 0180159.1E     | 387                  | 447        | F R                | Building           |      |
|   | 17029              | STOCKHOLM/FRIHAMN          | 592035.7N 0180718.9E     | 338                  | 346        | F R                | Granary            |      |
|   | 59N 19E            | 346                        | TJÄRVEN                  | 594407.6N 0192010.0E | 354        | 378                | F R                | Mast |
|   | 60N 12E            | 350                        | SYSSLEBÄCK               | 604243.6N 0125416.4E | 400        | 1582               | F R                | Mast |
|   | 60N 13E            | 353                        | LOFFSTRAND/ENNARBOL      | 601831.9N 0132257.2E | 384        | 1545               | F R                | Mast |
|   |                    | 359                        | MALUNG                   | 604000.9N 0133926.0E | 344        | 1995               | F R                | Mast |
| 8720  |                    | BYRÅSEN                    | 604004.8N 0133900.4E     | 387                  | 1982       | FLG R              | Wind turbine       |      |
| 8721  |                    | BYRÅSEN                    | 603958.6N 0133913.9E     | 387                  | 1999       | FLG R              | Wind turbine       |      |
| 10036   |                    | KYRKBERGET                 | 605241.3N 0133645.5E (*) | 463                  | 2539       | FLG R              | Wind turbine       |      |
| 10037   |                    | KYRKBERGET                 | 605254.1N 0133647.5E (*) | 463                  | 2546       | F R                | Wind turbine       |      |
| 10038   |                    | KYRKBERGET                 | 605305.1N 0133652.0E (*) | 463                  | 2523       | FLG R              | Wind turbine       |      |
| 10039   |                    | KYRKBERGET                 | 605317.7N 0133650.2E (*) | 463                  | 2474       | F R                | Wind turbine       |      |
| 10040   |                    | KYRKBERGET                 | 605328.7N 0133655.1E (*) | 463                  | 2497       | FLG R              | Wind turbine       |      |
| 10041   |                    | KYRKBERGET                 | 605351.7N 0133709.2E (*) | 463                  | 2516       | FLG R              | Wind turbine       |      |
| 10042   |                    | KYRKBERGET                 | 605340.8N 0133708.8E (*) | 463                  | 2562       | F R                | Wind turbine       |      |
| 10043   |                    | KYRKBERGET                 | 605341.4N 0133743.1E (*) | 463                  | 2503       | FLG R              | Wind turbine       |      |
| 10044   |                    | KYRKBERGET                 | 605314.2N 0133721.1E (*) | 463                  | 2585       | FLG R              | Wind turbine       |      |
| 10045   |                    | KYRKBERGET                 | 605322.4N 0133750.3E (*) | 463                  | 2562       | FLG R              | Wind turbine       |      |
| 10494   |                    | ST. SVEDBERGET             | 602123.4N 0135643.5E     | 492                  | 2149       | FLG R              | Wind turbine       |      |
| 10495   |                    | ST. SVEDBERGET             | 602104.3N 0135634.3E     | 492                  | 2178       | FLG R              | Wind turbine       |      |
| 10496   |                    | ST. SVEDBERGET             | 602050.1N 0135651.7E     | 492                  | 2297       | FLG R              | Wind turbine       |      |
| 10497   |                    | ST. SVEDBERGET             | 602034.9N 0135655.4E     | 492                  | 2336       | FLG R              | Wind turbine       |      |
| 10498   |                    | ST. SVEDBERGET             | 602016.2N 0135649.8E     | 492                  | 2247       | FLG R              | Wind turbine       |      |
| 10499   | ST. SVEDBERGET     | 602005.0N 0135620.1E       | 492                      | 2172                 | FLG R      | Wind turbine       |                    |      |
| 10500   | ST. SVEDBERGET     | 602014.0N 0135536.9E       | 492                      | 2175                 | FLG R      | Wind turbine       |                    |      |
| 10501   | ST. SVEDBERGET     | 602033.4N 0135601.3E       | 492                      | 2208                 | FLG R      | Wind turbine       |                    |      |
| 10502   | ST. SVEDBERGET     | 602050.5N 0135548.8E       | 492                      | 2192                 | FLG R      | Wind turbine       |                    |      |
| 11601   | ÄPPELBO / HÅBERGET | 602408.2N 0135347.2E       | 574                      | 2067                 | FLG W      | Wind turbine       |                    |      |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                      |                      |              |            |                    |                    |
|---|-------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 11602 | ÄPPELBO / HÄBERGET   | 602350.8N 0135422.1E | 574          | 2300       | FLG W              | Wind turbine       |
|   | 11603 | ÄPPELBO / HÄBERGET   | 602334.9N 0135407.9E | 574          | 2316       | FLG W              | Wind turbine       |
|   | 11604 | ÄPPELBO / HÄBERGET   | 602320.7N 0135338.7E | 574          | 2169       | FLG W              | Wind turbine       |
|   | 11605 | ÄPPELBO / HÄBERGET   | 602311.3N 0135515.6E | 574          | 2139       | FLG W              | Wind turbine       |
|   | 11606 | ÄPPELBO / HÄBERGET   | 602259.6N 0135531.5E | 574          | 2228       | FLG W              | Wind turbine       |
|   | 11607 | ÄPPELBO / HÄBERGET   | 602245.0N 0135547.4E | 574          | 2169       | FLG W              | Wind turbine       |
|   | 13902 | MALUNG/BRÄNDBERGET   | 603611.5N 0133016.8E | 440          | 2211       | F R                | Mast               |
|   | 15583 | YTTERMALUNG          | 603144.8N 0133433.0E | 394          | 2090       | F R                | Mast               |
|   | 15784 | MALUNG               | 602741.0N 0132842.6E | 651          | 2352       | F R                | Wind turbine       |
|   | 15785 | MALUNG               | 602739.9N 0132915.4E | 649          | 2335       | FLG W              | Wind turbine       |
|   | 15786 | MALUNG               | 602739.4N 0132709.9E | 655          | 2192       | FLG W              | Wind turbine       |
|   | 15787 | MALUNG               | 602724.8N 0132734.4E | 655          | 2379       | F R                | Wind turbine       |
|   | 15788 | MALUNG               | 602716.1N 0132818.1E | 649          | 2354       | F R                | Wind turbine       |
|   | 15789 | MALUNG               | 602714.4N 0132906.5E | 650          | 2351       | F R                | Wind turbine       |
|   | 15790 | MALUNG               | 602702.2N 0132808.5E | 648          | 2341       | FLG W              | Wind turbine       |
|   | 15791 | MALUNG               | 602644.2N 0132916.7E | 650          | 2243       | FLG W              | Wind turbine       |
| 60N 14E   | 362   | VANSBRO/HUMMELBERGET | 602612.8N 0140628.6E | 423          | 2030       | F R                | Mast               |
|   | 7265  | ÄPPELBO              | 603011.3N 0140115.0E | 374          | 1909       | F R                | Wind turbine       |
|   | 8284  | ÖRTJÄRN              | 600610.2N 0145340.6E | 410          | 1922       | F R                | Wind turbine       |
|   | 8285  | ÖRTJÄRN              | 600606.2N 0145402.1E | 410          | 1881       | F R                | Wind turbine       |
|   | 8286  | ÖRTJÄRN              | 600602.4N 0145423.0E | 410          | 1900       | F R                | Wind turbine       |
|   | 8287  | ÖRTJÄRN              | 600546.3N 0145458.2E | 410          | 1913       | F R                | Wind turbine       |
|   | 8391  | ÖRTJÄRN              | 600555.8N 0145442.8E | 410          | 1906       | F R                | Wind turbine       |
|   | 8694  | RÖBERGSFJÄLLET       | 601709.5N 0141322.0E | 410          | 2123       | F R                | Wind turbine       |
|   | 8695  | FLATBERGET           | 601659.9N 0141335.1E | 410          | 2083       | F R                | Wind turbine       |
|   | 8696  | RÖBERGSFJÄLLET       | 601652.9N 0141310.9E | 410          | 2087       | F R                | Wind turbine       |
|   | 8697  | FLATBERGET           | 601647.9N 0141348.8E | 410          | 2106       | F R                | Wind turbine       |
|   | 8698  | RÖBERGSFJÄLLET       | 601641.0N 0141315.1E | 410          | 2133       | F R                | Wind turbine       |
|   | 8699  | RÖBERGSFJÄLLET       | 601638.7N 0141335.7E | 410          | 2139       | F R                | Wind turbine       |
|   | 8700  | RÖBERGSFJÄLLET       | 601633.7N 0141240.6E | 410          | 2087       | F R                | Wind turbine       |
|   | 8701  | RÖBERGSFJÄLLET       | 601625.6N 0141313.7E | 410          | 2152       | F R                | Wind turbine       |
|   | 8801  | BRINGSJÖBERG         | 600631.1N 0144651.3E | 335          | 1791       | FLG R              | Wind turbine       |
|   | 9079  | SILKOMHÖJDEN         | 601421.2N 0141152.1E | 456          | 1864       | F R                | Wind turbine       |
|   | 9080  | SILKOMHÖJDEN         | 601432.3N 0141149.2E | 456          | 1961       | F R                | Wind turbine       |
|   | 9081  | SILKOMHÖJDEN         | 601443.9N 0141147.4E | 456          | 1850       | F R                | Wind turbine       |
|   | 9082  | SILKOMHÖJDEN         | 601451.6N 0141246.1E | 456          | 1952       | F R                | Wind turbine       |
|   | 9083  | SILKOMHÖJDEN         | 601504.4N 0141232.0E | 456          | 1932       | F R                | Wind turbine       |
|   | 9084  | KJÖKEBERGET          | 601514.9N 0141238.3E | 456          | 1972       | F R                | Wind turbine       |
|   | 9107  | GRÄNGESBERG          | 600727.8N 0145655.6E | 492          | 1803       | F R                | Wind turbine       |
|   | 9108  | GRÄNGESBERG          | 600730.5N 0145626.9E | 492          | 1857       | FLG R              | Wind turbine       |
|   | 9109  | GRÄNGESBERG          | 600734.7N 0145724.8E | 492          | 1841       | F R                | Wind turbine       |
|   | 9110  | GRÄNGESBERG          | 600712.9N 0145430.4E | 492          | 1937       | FLG R              | Wind turbine       |
|   | 9111  | GRÄNGESBERG          | 600717.8N 0145344.7E | 492          | 1834       | FLG R              | Wind turbine       |
|   | 9112  | GRÄNGESBERG          | 600713.9N 0145517.7E | 492          | 1857       | FLG R              | Wind turbine       |
|   | 9113  | GRÄNGESBERG          | 600725.9N 0145459.8E | 492          | 1850       | F R                | Wind turbine       |
|   | 9114  | GRÄNGESBERG          | 600606.7N 0145615.7E | 492          | 1842       | FLG R              | Wind turbine       |
|   | 9115  | GRÄNGESBERG          | 600746.3N 0145740.0E | 492          | 1931       | FLG R              | Wind turbine       |
|   | 9116  | GRÄNGESBERG          | 600744.6N 0145501.9E | 492          | 1837       | FLG R              | Wind turbine       |
|   | 9117  | GRÄNGESBERG          | 600609.2N 0145513.4E | 492          | 1965       | FLG R              | Wind turbine       |
|   | 9118  | GRÄNGESBERG          | 600725.9N 0145417.1E | 492          | 1877       | F R                | Wind turbine       |
|   | 9124  | SÄLEN                | 604855.8N 0142411.1E | 410          | 2053       | FLG R              | Wind turbine       |
|   | 9125  | SÄLEN                | 604838.8N 0142403.2E | 410          | 2118       | F R                | Wind turbine       |
|   | 9126  | SÄLEN                | 604833.2N 0142428.2E | 410          | 2176       | F R                | Wind turbine       |
|   | 9127  | SÄLEN                | 604824.0N 0142402.3E | 410          | 2187       | FLG R              | Wind turbine       |
|   | 9128  | SÄLEN                | 604759.6N 0142411.7E | 410          | 2263       | FLG R              | Wind turbine       |
|   | 9129  | SÄLEN                | 604748.6N 0142406.8E | 410          | 2231       | F R                | Wind turbine       |
|   | 9130  | SÄLEN                | 604735.5N 0142359.2E | 410          | 2332       | F R                | Wind turbine       |
|   | 9131  | SÄLEN                | 604725.0N 0142408.1E | 410          | 2291       | FLG R              | Wind turbine       |
|   | 13619 | GRÄNGESBERG          | 600545.7N 0145326.9E | 591          | 1936       | F R                | Wind turbine       |
|   | 13620 | GRÄNGESBERG          | 600541.7N 0145352.2E | 591          | 1949       | FLG W              | Wind turbine       |
|   | 16995 | BADDOBERGET          | 600550.1N 0145259.1E | 591          | 1913       | unknown            | Wind turbine       |
| 60N 15E   | 363   | BORLÄNGE/IDKERBERGET | 602256.3N 0150818.2E | 1073         | 2676       | FLG W              | Mast               |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |             |                      |                      |              |            |                    |                    |
|---|-------------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No          | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 60N 16E   | 370         | VIKMANSHYTTAN        | 601838.9N 0154929.5E | 338          | 971        | F R                | Mast               |
|   | 3613        | FALUN/LÖVBERGET      | 603735.0N 0153406.8E | 371          | 1074       | F R                | Mast               |
|   | 8398        | UVBERGET             | 600942.6N 0152358.2E | 328          | 1322       | FLG R              | Wind turbine       |
|   | 9046        | SÖRSKOG              | 604810.3N 0152323.8E | 459          | 1969       | FLG R              | Wind turbine       |
|   | 9047        | SÖRSKOG              | 604756.9N 0152330.6E | 459          | 1969       | FLG R              | Wind turbine       |
|   | 9048        | SÖRSKOG              | 604728.1N 0152406.6E | 459          | 1949       | FLG R              | Wind turbine       |
|   | 9049        | SÖRSKOG              | 604719.3N 0152344.7E | 459          | 1893       | FLG R              | Wind turbine       |
|   | 9050        | SÖRSKOG              | 604743.5N 0152434.2E | 459          | 1952       | FLG R              | Wind turbine       |
|   | 9879        | UVBERGET             | 600949.3N 0152413.5E | 328          | 1286       | FLG R              | Wind turbine       |
|   | 9885        | TAVELBERGET          | 605208.3N 0155757.2E | 492          | 1936       | FLG R              | Wind turbine       |
|   | 9886        | TAVELBERGET          | 605154.2N 0155814.4E | 492          | 1936       | FLG R              | Wind turbine       |
|   | 9887        | TAVELBERGET          | 605136.3N 0155748.6E | 492          | 1962       | FLG R              | Wind turbine       |
|   | 9888        | TAVELBERGET          | 605123.0N 0155729.8E | 492          | 1982       | FLG R              | Wind turbine       |
|   | 9889        | TAVELBERGET          | 605114.3N 0155754.8E | 492          | 1936       | FLG R              | Wind turbine       |
|   | 12702       | TAVELBERGET          | 605135.1N 0155846.5E | 492          | 1962       | FLG R              | Wind turbine       |
|   | 13738       | IDKERBERGET          | 602205.8N 0150528.0E | 489          | 2024       | FLG R              | Wind turbine       |
|   | 13739       | IDKERBERGET          | 602150.1N 0150515.1E | 489          | 1955       | FLG R              | Wind turbine       |
|   | 13740       | IDKERBERGET          | 602155.7N 0150553.2E | 489          | 2014       | FLG R              | Wind turbine       |
|   | 13741       | IDKERBERGET          | 602145.3N 0150621.4E | 489          | 1982       | FLG R              | Wind turbine       |
|   | 13742       | IDKERBERGET          | 602130.2N 0150547.2E | 489          | 1965       | FLG R              | Wind turbine       |
|   | 13743       | IDKERBERGET          | 602106.3N 0150548.7E | 489          | 1896       | FLG R              | Wind turbine       |
|   | 13744       | IDKERBERGET          | 602118.0N 0150614.4E | 489          | 1985       | FLG R              | Wind turbine       |
|   | 13745       | IDKERBERGET          | 602111.2N 0150644.6E | 489          | 1972       | FLG R              | Wind turbine       |
|   | 13746       | IDKERBERGET          | 602055.7N 0150635.8E | 489          | 2005       | FLG R              | Wind turbine       |
|   | 9682        | IVANTJÄRN            | 604627.5N 0163524.8E | 489          | 1352       | FLG R              | Wind turbine       |
|   | 9683        | IVANTJÄRN            | 604615.2N 0163511.1E | 489          | 1335       | FLG R              | Wind turbine       |
|   | 10284       | SNEÅSEN              | 604650.6N 0162051.7E | 361          | 1322       | F R                | Mast               |
|   | 10305       | VETTÅSEN             | 604746.0N 0163443.0E | 492          | 1381       | FLG R              | Wind turbine       |
|   | 10306       | VETTÅSEN             | 604730.8N 0163445.9E | 492          | 1362       | FLG R              | Wind turbine       |
|   | 10307       | VETTÅSEN             | 604720.7N 0163459.2E | 492          | 1329       | FLG R              | Wind turbine       |
|   | 10308       | VETTÅSEN             | 604704.5N 0163449.7E | 492          | 1318       | FLG R              | Wind turbine       |
|   | 10309       | VETTÅSEN             | 604701.7N 0163542.7E | 492          | 1263       | FLG R              | Wind turbine       |
|   | 10310       | VETTÅSEN             | 604647.4N 0163527.1E | 492          | 1289       | FLG R              | Wind turbine       |
|   | 10323       | MÄRTENSKLACK         | 604843.7N 0163921.6E | 492          | 1332       | FLG R              | Wind turbine       |
|   | 10324       | MÄRTENSKLACK         | 604834.7N 0163942.8E | 492          | 1378       | FLG R              | Wind turbine       |
|   | 10325       | MÄRTENSKLACK         | 604848.6N 0163946.1E | 492          | 1332       | FLG R              | Wind turbine       |
|   | 10326       | MÄRTENSKLACK         | 604839.4N 0164007.9E | 492          | 1358       | FLG R              | Wind turbine       |
|   | 10709       | JÄDRAÅS              | 604740.5N 0161804.0E | 394          | 1457       | F R                | Mast               |
|   | 10710       | JÄDRAÅS              | 604813.2N 0161738.1E | 394          | 1417       | F R                | Mast               |
|   | 10711       | JÄDRAÅS              | 604917.2N 0162408.2E | 394          | 1398       | F R                | Mast               |
|   | 10793       | KUNGSBERG            | 604704.8N 0162707.4E | 492          | 1506       | FLG R              | Wind turbine       |
|   | 10794       | KUNGSBERG            | 604712.6N 0162747.2E | 492          | 1500       | FLG R              | Wind turbine       |
| 10838   | ROBERTSHOLM | 603525.9N 0161828.2E | 492                  | 1401         | FLG R      | Wind turbine       |                    |
| 10839   | ROBERTSHOLM | 603546.7N 0161856.5E | 492                  | 1342         | FLG R      | Wind turbine       |                    |
| 10840   | ROBERTSHOLM | 603526.2N 0161920.2E | 492                  | 1345         | FLG R      | Wind turbine       |                    |
| 10841   | ROBERTSHOLM | 603511.9N 0161918.7E | 492                  | 1355         | FLG R      | Wind turbine       |                    |
| 10843   | JÄDRAÅS     | 604735.3N 0162842.7E | 574                  | 1414         | FLG W      | Wind turbine       |                    |
| 10844   | JÄDRAÅS     | 604747.5N 0162830.3E | 574                  | 1460         | F R        | Wind turbine       |                    |
| 10845   | JÄDRAÅS     | 604743.3N 0162753.4E | 574                  | 1562         | F R        | Wind turbine       |                    |
| 10846   | JÄDRAÅS     | 604729.7N 0162737.9E | 574                  | 1594         | F R        | Wind turbine       |                    |
| 10847   | JÄDRAÅS     | 604740.5N 0162713.9E | 574                  | 1549         | FLG W      | Wind turbine       |                    |
| 10848   | JÄDRAÅS     | 604727.8N 0162656.3E | 574                  | 1555         | F R        | Wind turbine       |                    |
| 10849   | JÄDRAÅS     | 604743.2N 0162636.0E | 574                  | 1532         | F R        | Wind turbine       |                    |
| 10850   | JÄDRAÅS     | 604728.6N 0162624.3E | 574                  | 1562         | F R        | Wind turbine       |                    |
| 10851   | JÄDRAÅS     | 604744.1N 0162557.0E | 574                  | 1516         | F R        | Wind turbine       |                    |
| 10852   | JÄDRAÅS     | 604731.6N 0162526.0E | 574                  | 1506         | FLG W      | Wind turbine       |                    |
| 10853   | JÄDRAÅS     | 604754.7N 0162523.0E | 574                  | 1499         | F R        | Wind turbine       |                    |
| 10854   | JÄDRAÅS     | 604732.9N 0162424.5E | 574                  | 1473         | F R        | Wind turbine       |                    |
| 10877   | GARPENBERG  | 602024.5N 0161238.0E | 492                  | 1355         | FLG R      | Wind turbine       |                    |
| 10878   | GARPENBERG  | 602058.4N 0161422.8E | 492                  | 1352         | FLG R      | Wind turbine       |                    |
| 10879   | GARPENBERG  | 602055.1N 0161324.1E | 492                  | 1341         | FLG R      | Wind turbine       |                    |
| 10880   | GARPENBERG  | 602037.0N 0161619.8E | 492                  | 1339         | FLG R      | Wind turbine       |                    |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |             |                      |              |            |                    |                    |
|---|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 10881 | GARPENBERG  | 602024.5N 0161633.3E | 492          | 1322       | FLG R              | Wind turbine       |
|   | 10882 | GARPENBERG  | 602158.2N 0161704.5E | 492          | 1276       | FLG R              | Wind turbine       |
|   | 10883 | GARPENBERG  | 602203.7N 0161807.6E | 492          | 1309       | FLG R              | Wind turbine       |
|   | 11035 | JÄDRAÅS     | 604737.4N 0162305.1E | 574          | 1542       | F R                | Wind turbine       |
|   | 11036 | JÄDRAÅS     | 604752.0N 0162312.7E | 574          | 1631       | F R                | Wind turbine       |
|   | 11037 | JÄDRAÅS     | 604802.8N 0162255.3E | 574          | 1808       | F R                | Wind turbine       |
|   | 11038 | JÄDRAÅS     | 604750.0N 0162230.5E | 574          | 1716       | F R                | Wind turbine       |
|   | 11039 | JÄDRAÅS     | 604806.2N 0162224.3E | 574          | 1657       | F R                | Wind turbine       |
|   | 11040 | JÄDRAÅS     | 604803.2N 0162147.9E | 574          | 1660       | F R                | Wind turbine       |
|   | 11041 | JÄDRAÅS     | 604750.7N 0162133.3E | 574          | 1640       | F R                | Wind turbine       |
|   | 11042 | JÄDRAÅS     | 604801.1N 0162106.3E | 574          | 1640       | F R                | Wind turbine       |
|   | 11043 | JÄDRAÅS     | 604715.6N 0162143.1E | 574          | 1568       | F R                | Wind turbine       |
|   | 11044 | JÄDRAÅS     | 604625.6N 0162205.1E | 574          | 1549       | FLG W              | Wind turbine       |
|   | 11045 | JÄDRAÅS     | 604656.1N 0162114.8E | 574          | 1565       | F R                | Wind turbine       |
|   | 11046 | JÄDRAÅS     | 604641.4N 0162059.7E | 574          | 1552       | F R                | Wind turbine       |
|   | 11047 | JÄDRAÅS     | 604656.4N 0162030.2E | 574          | 1581       | FLG W              | Wind turbine       |
|   | 11048 | JÄDRAÅS     | 604714.1N 0162030.8E | 574          | 1647       | F R                | Wind turbine       |
|   | 11049 | JÄDRAÅS     | 604731.1N 0162016.1E | 574          | 1660       | F R                | Wind turbine       |
|   | 11050 | JÄDRAÅS     | 604708.0N 0161947.7E | 574          | 1680       | F R                | Wind turbine       |
|   | 11126 | JÄDRAÅS     | 604734.3N 0161941.5E | 574          | 1693       | F R                | Wind turbine       |
|   | 11128 | JÄDRAÅS     | 604719.9N 0161921.2E | 574          | 1680       | F R                | Wind turbine       |
|   | 11129 | JÄDRAÅS     | 604736.1N 0161908.1E | 574          | 1699       | F R                | Wind turbine       |
|   | 11130 | JÄDRAÅS     | 604747.2N 0161858.1E | 574          | 1729       | F R                | Wind turbine       |
|   | 11131 | JÄDRAÅS     | 604727.5N 0161828.7E | 574          | 1709       | F R                | Wind turbine       |
|   | 11132 | JÄDRAÅS     | 604739.9N 0161822.3E | 574          | 1693       | FLG W              | Wind turbine       |
|   | 11133 | JÄDRAÅS     | 604801.0N 0161859.1E | 574          | 1693       | F R                | Wind turbine       |
|   | 11134 | JÄDRAÅS     | 604813.6N 0161908.7E | 574          | 1608       | F R                | Wind turbine       |
|   | 11135 | JÄDRAÅS     | 604755.4N 0161829.6E | 574          | 1690       | F R                | Wind turbine       |
|   | 11136 | JÄDRAÅS     | 604748.7N 0161756.0E | 574          | 1670       | F R                | Wind turbine       |
|   | 11137 | JÄDRAÅS     | 604813.5N 0161812.8E | 574          | 1663       | F R                | Wind turbine       |
|   | 11138 | JÄDRAÅS     | 604827.0N 0161837.6E | 574          | 1591       | F R                | Wind turbine       |
|   | 11139 | JÄDRAÅS     | 604821.0N 0161744.9E | 574          | 1634       | FLG W              | Wind turbine       |
|   | 11140 | JÄDRAÅS     | 604804.7N 0161737.8E | 574          | 1644       | F R                | Wind turbine       |
|   | 11193 | JÄDRAÅS     | 605004.2N 0161839.5E | 574          | 1624       | FLG W              | Wind turbine       |
|   | 11194 | JÄDRAÅS     | 604946.7N 0161912.8E | 574          | 1757       | F R                | Wind turbine       |
|   | 11195 | JÄDRAÅS     | 605003.5N 0161914.6E | 574          | 1713       | F R                | Wind turbine       |
|   | 11196 | JÄDRAÅS     | 605010.6N 0161942.1E | 574          | 1713       | F R                | Wind turbine       |
|   | 11197 | JÄDRAÅS     | 604926.9N 0161936.1E | 574          | 1686       | F R                | Wind turbine       |
|   | 11198 | JÄDRAÅS     | 604945.4N 0161943.4E | 574          | 1716       | F R                | Wind turbine       |
|   | 11199 | JÄDRAÅS     | 605000.7N 0161957.9E | 574          | 1696       | FLG W              | Wind turbine       |
|   | 11200 | JÄDRAÅS     | 604949.1N 0162012.4E | 574          | 1670       | F R                | Wind turbine       |
|   | 11201 | JÄDRAÅS     | 604931.4N 0162107.9E | 574          | 1716       | F R                | Wind turbine       |
|   | 11202 | JÄDRAÅS     | 604920.7N 0162142.0E | 574          | 1677       | F R                | Wind turbine       |
|   | 11203 | JÄDRAÅS     | 604938.6N 0162156.2E | 574          | 1647       | F R                | Wind turbine       |
|   | 11204 | JÄDRAÅS     | 604942.1N 0162232.7E | 574          | 1568       | F R                | Wind turbine       |
|   | 11205 | JÄDRAÅS     | 604952.2N 0162305.4E | 574          | 1519       | FLG W              | Wind turbine       |
|   | 11206 | JÄDRAÅS     | 604936.7N 0162341.6E | 574          | 1535       | F R                | Wind turbine       |
|   | 11207 | JÄDRAÅS     | 604921.0N 0162355.1E | 574          | 1591       | F R                | Wind turbine       |
|   | 11208 | JÄDRAÅS     | 604910.1N 0162416.4E | 574          | 1549       | F R                | Wind turbine       |
|   | 11209 | JÄDRAÅS     | 604855.8N 0162428.0E | 574          | 1516       | FLG W              | Wind turbine       |
|   | 11218 | JÄDRAÅS     | 604916.5N 0161952.3E | 574          | 1703       | F R                | Wind turbine       |
|   | 11219 | JÄDRAÅS     | 604932.7N 0162001.7E | 574          | 1729       | F R                | Wind turbine       |
|   | 11220 | JÄDRAÅS     | 604937.8N 0162033.3E | 574          | 1706       | F R                | Wind turbine       |
|   | 11221 | JÄDRAÅS     | 604916.3N 0162045.8E | 574          | 1614       | F R                | Wind turbine       |
|   | 11222 | JÄDRAÅS     | 604907.7N 0162121.1E | 574          | 1617       | F R                | Wind turbine       |
|   | 11223 | JÄDRAÅS     | 604909.2N 0162218.7E | 574          | 1565       | F R                | Wind turbine       |
|   | 12738 | KUNGSBERG   | 604452.3N 0162256.8E | 623          | 1522       | F R                | Wind turbine       |
|   | 12739 | KUNGSBERG   | 604434.9N 0162244.6E | 623          | 1532       | FLG W              | Wind turbine       |
|   | 12740 | KUNGSBERG   | 604501.8N 0162331.3E | 623          | 1506       | FLG W              | Wind turbine       |
|   | 12741 | KUNGSBERG   | 604437.7N 0162322.4E | 623          | 1539       | F R                | Wind turbine       |
|   | 12742 | KUNGSBERG   | 604417.2N 0162318.1E | 623          | 1594       | F R                | Wind turbine       |
|   | 12743 | KUNGSBERG   | 604459.1N 0162406.9E | 623          | 1496       | F R                | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |             |                      |              |            |                    |                    |
|---|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 12744 | KUNGSBERG   | 604427.5N 0162402.1E | 623          | 1496       | F R                | Wind turbine       |
|   | 12745 | KUNGSBERG   | 604402.8N 0162349.4E | 623          | 1539       | FLG W              | Wind turbine       |
|   | 12746 | KUNGSBERG   | 604446.9N 0162437.7E | 623          | 1470       | FLG W              | Wind turbine       |
|   | 12747 | KUNGSBERG   | 604413.1N 0162428.4E | 623          | 1483       | FLG W              | Wind turbine       |
|   | 13839 | SVARTNÄS    | 605040.9N 0160752.8E | 591          | 1886       | FLG W              | Wind turbine       |
|   | 13840 | SVARTNÄS    | 605016.6N 0160818.1E | 591          | 1942       | F R                | Wind turbine       |
|   | 13841 | SVARTNÄS    | 605034.2N 0160839.7E | 591          | 1916       | F R                | Wind turbine       |
|   | 13842 | SVARTNÄS    | 604946.4N 0160707.4E | 591          | 1952       | FLG W              | Wind turbine       |
|   | 13843 | SVARTNÄS    | 604955.4N 0160804.3E | 591          | 1982       | F R                | Wind turbine       |
|   | 13844 | SVARTNÄS    | 604926.4N 0160839.8E | 591          | 1818       | F R                | Wind turbine       |
|   | 13845 | SVARTNÄS    | 604957.0N 0160900.0E | 591          | 1886       | F R                | Wind turbine       |
|   | 13846 | SVARTNÄS    | 604934.8N 0160936.6E | 591          | 1896       | F R                | Wind turbine       |
|   | 13847 | SVARTNÄS    | 605018.7N 0160951.1E | 591          | 1880       | FLG W              | Wind turbine       |
|   | 13848 | SVARTNÄS    | 605037.7N 0160922.1E | 591          | 1864       | FLG W              | Wind turbine       |
|   | 13849 | SVARTNÄS    | 604905.1N 0160824.7E | 591          | 1762       | F R                | Wind turbine       |
|   | 13850 | SVARTNÄS    | 604848.3N 0160758.0E | 591          | 1759       | FLG W              | Wind turbine       |
|   | 13851 | SVARTNÄS    | 604815.0N 0161149.9E | 591          | 1699       | FLG W              | Wind turbine       |
|   | 13852 | SVARTNÄS    | 604820.5N 0161111.0E | 591          | 1719       | F R                | Wind turbine       |
|   | 13853 | SVARTNÄS    | 604839.1N 0161109.6E | 591          | 1801       | FLG W              | Wind turbine       |
|   | 13854 | SVARTNÄS    | 604832.3N 0161029.7E | 591          | 1739       | F R                | Wind turbine       |
|   | 13855 | SVARTNÄS    | 604820.9N 0160953.4E | 591          | 1686       | FLG W              | Wind turbine       |
|   | 13856 | SVARTNÄS    | 604839.0N 0160944.7E | 591          | 1775       | F R                | Wind turbine       |
|   | 13857 | SVARTNÄS    | 604839.5N 0160858.7E | 591          | 1729       | F R                | Wind turbine       |
|   | 13858 | SVARTNÄS    | 604745.2N 0161208.0E | 591          | 1650       | F R                | Wind turbine       |
|   | 13859 | SVARTNÄS    | 604711.8N 0161400.9E | 591          | 1703       | F R                | Wind turbine       |
|   | 13860 | SVARTNÄS    | 604652.0N 0161433.1E | 591          | 1617       | F R                | Wind turbine       |
|   | 13861 | SVARTNÄS    | 604642.9N 0161514.9E | 591          | 1594       | F R                | Wind turbine       |
|   | 13862 | SVARTNÄS    | 604707.7N 0161547.9E | 591          | 1660       | FLG W              | Wind turbine       |
|   | 13863 | SVARTNÄS    | 604725.9N 0161525.0E | 591          | 1677       | FLG W              | Wind turbine       |
|   | 13864 | SVARTNÄS    | 604723.3N 0161442.1E | 591          | 1660       | F R                | Wind turbine       |
|   | 13865 | SVARTNÄS    | 604620.6N 0161455.1E | 591          | 1499       | FLG W              | Wind turbine       |
|   | 13866 | SVARTNÄS    | 604631.1N 0161419.0E | 591          | 1506       | F R                | Wind turbine       |
|   | 13867 | SVARTNÄS    | 604702.3N 0161258.6E | 591          | 1650       | F R                | Wind turbine       |
|   | 13868 | SVARTNÄS    | 604709.5N 0161217.1E | 591          | 1673       | FLG W              | Wind turbine       |
|   | 13869 | SVARTNÄS    | 604645.4N 0161235.3E | 591          | 1578       | F R                | Wind turbine       |
|   | 13870 | SVARTNÄS    | 604625.6N 0161301.2E | 591          | 1529       | FLG W              | Wind turbine       |
|   | 13871 | SVARTNÄS    | 605310.3N 0160840.3E | 591          | 1985       | FLG W              | Wind turbine       |
|   | 13872 | SVARTNÄS    | 605215.4N 0160808.2E | 591          | 2047       | F R                | Wind turbine       |
|   | 13873 | SVARTNÄS    | 605220.8N 0160850.9E | 591          | 1913       | FLG W              | Wind turbine       |
|   | 13874 | SVARTNÄS    | 605227.0N 0160747.0E | 591          | 2021       | FLG W              | Wind turbine       |
|   | 13875 | SVARTNÄS    | 605230.3N 0160828.9E | 591          | 2087       | F R                | Wind turbine       |
|   | 13876 | SVARTNÄS    | 605239.7N 0160912.5E | 591          | 1959       | FLG W              | Wind turbine       |
|   | 13877 | SVARTNÄS    | 605241.6N 0160815.2E | 591          | 2060       | F R                | Wind turbine       |
|   | 13878 | SVARTNÄS    | 605255.0N 0160849.8E | 591          | 1919       | F R                | Wind turbine       |
|   | 13879 | SVARTNÄS    | 605253.8N 0160806.9E | 591          | 1936       | F R                | Wind turbine       |
|   | 13941 | JÄDRAÅS     | 604838.2N 0161353.0E | 466          | 1519       | F R                | Mast               |
|   | 14122 | SVÄRDSJÖ    | 604159.0N 0160106.1E | 492          | 1493       | FLG R              | Wind turbine       |
|   | 14244 | AVESTA      | 600638.2N 0160406.7E | 656          | 1171       | FLG W              | Wind turbine       |
|   | 14245 | AVESTA      | 600602.3N 0160426.8E | 656          | 1227       | F R                | Wind turbine       |
|   | 14246 | AVESTA      | 600545.2N 0160525.6E | 656          | 1207       | F R                | Wind turbine       |
|   | 14247 | AVESTA      | 600632.7N 0160310.7E | 656          | 1211       | FLG W              | Wind turbine       |
|   | 14248 | AVESTA      | 600548.6N 0160613.1E | 656          | 1204       | F R                | Wind turbine       |
|   | 14249 | AVESTA      | 600552.3N 0160705.2E | 656          | 1184       | FLG W              | Wind turbine       |
|   | 14250 | AVESTA      | 600621.5N 0160712.8E | 656          | 1135       | FLG W              | Wind turbine       |
|   | 14251 | AVESTA      | 600618.7N 0160628.9E | 656          | 1165       | F R                | Wind turbine       |
|   | 14252 | AVESTA      | 600622.3N 0160751.2E | 656          | 1115       | F R                | Wind turbine       |
|   | 14253 | AVESTA      | 600610.6N 0160809.9E | 656          | 1129       | F R                | Wind turbine       |
|   | 14254 | AVESTA      | 600557.2N 0160822.0E | 656          | 1099       | F R                | Wind turbine       |
|   | 14255 | AVESTA      | 600559.0N 0160908.5E | 656          | 1122       | F R                | Wind turbine       |
|   | 14256 | AVESTA      | 600626.5N 0160953.0E | 656          | 1040       | FLG W              | Wind turbine       |
|   | 14257 | AVESTA      | 600544.2N 0160929.6E | 656          | 1102       | F R                | Wind turbine       |
|   | 14258 | AVESTA      | 600608.3N 0160959.3E | 656          | 1043       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
|         | 14259 | AVESTA               | 600528.9N 0160942.6E | 656          | 1138       | F R                | Wind turbine       |
|         | 14260 | AVESTA               | 600616.1N 0160314.2E | 656          | 1243       | FLG W              | Wind turbine       |
|         | 14261 | AVESTA               | 600543.7N 0160353.3E | 656          | 1240       | FLG W              | Wind turbine       |
|         | 14262 | AVESTA               | 600521.4N 0160435.6E | 656          | 1175       | FLG W              | Wind turbine       |
|         | 14263 | AVESTA               | 600518.2N 0161040.1E | 656          | 1070       | FLG W              | Wind turbine       |
|         | 14264 | AVESTA               | 600441.3N 0160849.3E | 656          | 1099       | F R                | Wind turbine       |
|         | 14265 | AVESTA               | 600415.0N 0160856.1E | 656          | 1037       | FLG W              | Wind turbine       |
|         | 14266 | AVESTA               | 600557.8N 0160502.9E | 656          | 1220       | F R                | Wind turbine       |
|         | 14267 | AVESTA               | 600501.6N 0160922.5E | 656          | 1079       | F R                | Wind turbine       |
|         | 14268 | AVESTA               | 600414.4N 0160938.0E | 656          | 1020       | FLG W              | Wind turbine       |
|         | 14269 | AVESTA               | 600621.2N 0160440.5E | 656          | 1171       | F R                | Wind turbine       |
|         | 14270 | AVESTA               | 600625.5N 0160553.8E | 656          | 1184       | FLG W              | Wind turbine       |
|         | 14443 | ÅMOT                 | 605600.9N 0162459.1E | 591          | 1624       | F R                | Mast               |
|         | 14444 | ÅMOT                 | 605424.3N 0162629.1E | 492          | 1562       | F R                | Mast               |
|         | 14863 | LÅNGSHYTTAN          | 603226.4N 0160557.1E | 656          | 1642       | FLG W              | Wind turbine       |
|         | 14864 | LÅNGSHYTTAN          | 603226.4N 0160507.1E | 656          | 1636       | FLG W              | Wind turbine       |
|         | 14865 | LÅNGSHYTTAN          | 603227.9N 0160430.4E | 656          | 1593       | F R                | Wind turbine       |
|         | 14866 | LÅNGSHYTTAN          | 603219.4N 0160320.7E | 656          | 1681       | FLG W              | Wind turbine       |
|         | 14867 | LÅNGSHYTTAN          | 603209.7N 0160510.3E | 656          | 1599       | F R                | Wind turbine       |
|         | 14868 | LÅNGSHYTTAN          | 603202.7N 0160436.5E | 656          | 1603       | F R                | Wind turbine       |
|         | 14869 | LÅNGSHYTTAN          | 603151.9N 0160455.3E | 656          | 1659       | FLG W              | Wind turbine       |
|         | 15768 | HOFORS               | 603006.1N 0161417.3E | 656          | 1286       | FLG W              | Wind turbine       |
|         | 15769 | HOFORS               | 602959.5N 0161451.1E | 656          | 1234       | FLG W              | Wind turbine       |
|         | 15770 | HOFORS               | 602940.4N 0161446.8E | 656          | 1168       | FLG W              | Wind turbine       |
|         | 15771 | HOFORS               | 602940.3N 0161359.4E | 656          | 1204       | FLG W              | Wind turbine       |
|         | 15772 | HOFORS               | 602144.3N 0162850.5E | 656          | 1222       | FLG W              | Wind turbine       |
|         | 15773 | HOFORS               | 602104.4N 0162912.4E | 656          | 1186       | FLG W              | Wind turbine       |
|         | 15774 | HOFORS               | 602110.3N 0162752.6E | 656          | 1190       | FLG W              | Wind turbine       |
|         | 15775 | HOFORS               | 602045.1N 0162814.9E | 656          | 1294       | FLG R              | Wind turbine       |
|         | 15776 | HOFORS               | 602022.1N 0162721.6E | 656          | 1259       | FLG W              | Wind turbine       |
|         | 15777 | HOFORS               | 602015.2N 0162825.2E | 656          | 1257       | FLG R              | Wind turbine       |
|         | 15778 | HOFORS               | 602002.1N 0162911.1E | 656          | 1208       | FLG W              | Wind turbine       |
|         | 15779 | HOFORS               | 602001.5N 0162737.0E | 656          | 1242       | FLG R              | Wind turbine       |
|         | 15780 | HOFORS               | 601940.2N 0162806.0E | 656          | 1188       | FLG W              | Wind turbine       |
|         | 15781 | HOFORS               | 601828.6N 0163117.7E | 656          | 1169       | FLG W              | Wind turbine       |
|         | 15782 | HOFORS               | 601830.4N 0163223.4E | 656          | 1167       | FLG W              | Wind turbine       |
|         | 15783 | HOFORS               | 601832.0N 0163308.3E | 656          | 1144       | FLG R              | Wind turbine       |
|         | 15888 | LÅNGHYTTAN           | 603113.8N 0160444.5E | 335          | 1385       | F R                | Mast               |
|         | 16280 | TROLLBERGET          | 604212.7N 0160050.9E | 492          | 1572       | unknown            | Wind turbine       |
|         | 16284 | SNEÅSEN              | 604750.1N 0161939.0E | 574          | 1697       | unknown            | Wind turbine       |
| 60N 17E | 383   | GÄVLE                | 603751.2N 0170745.5E | 1070         | 1232       | F R/FLG W          | Mast               |
|         | 384   | SKUTSKÄR             | 603844.2N 0172315.8E | 394          | 423        | F R                | Chimney            |
|         | 386   | GÄVLE/KARSKÄRSVERKEN | 604058.3N 0171616.2E | 482          | 496        | F R                | Chimney            |
|         | 681   | SALSTA/SLÄSBY        | 600445.2N 0174950.2E | 374          | 606        | F R                | Mast               |
|         | 1145  | TÄRNSJÖ              | 600921.5N 0170226.8E | 348          | 523        | F R                | Mast               |
|         | 1402  | EDSBO                | 601759.9N 0172029.1E | 338          | 469        | F R                | Mast               |
|         | 1611  | NORUNDA              | 600511.0N 0172846.2E | 341          | 483        | F R                | Mast               |
|         | 2305  | GÄVLE/STUREBORG      | 603824.8N 0170759.8E | 361          | 531        | F R                | Mast               |
|         | 3224  | TOBO                 | 601712.7N 0173959.8E | 394          | 539        | F R                | Mast               |
|         | 6370  | SKUTSKÄR             | 603843.1N 0172320.6E | 335          | 347        | F R                | Chimney            |
|         | 9614  | SKUTSKÄR             | 603912.3N 0172259.9E | 492          | 505        | FLG R              | Wind turbine       |
|         | 9615  | SKUTSKÄR             | 603914.8N 0172326.0E | 492          | 505        | FLG R              | Wind turbine       |
|         | 9616  | SKUTSKÄR             | 603914.1N 0172402.1E | 492          | 502        | FLG R              | Wind turbine       |
|         | 9617  | SKUTSKÄR             | 603917.0N 0172421.2E | 492          | 505        | FLG R              | Wind turbine       |
|         | 9618  | SKUTSKÄR             | 603910.7N 0172441.7E | 492          | 515        | FLG R              | Wind turbine       |
|         | 13297 | GÄVLE                | 603339.8N 0171317.6E | 486          | 656        | FLG R              | Mast               |
|         | 14511 | GÄVLE                | 604131.9N 0171350.9E | 407          | 417        | FLG R              | Crane              |
|         | 14512 | GÄVLE                | 604131.6N 0171349.0E | 407          | 417        | FLG R              | Crane              |
|         | 16742 | KARSKÄR              | 604053.1N 0171621.2E | 328          | 342        | unknown            | Chimney            |
|         | 16744 | KARSKÄR              | 604051.4N 0171621.2E | 381          | 396        | unknown            | Chimney            |
|         | 16745 | KARSKÄR              | 604054.0N 0171618.1E | 361          | 375        | unknown            | Chimney            |
| 60N 18E | 394   | ÖSTHAMMAR/VALÖ       | 601546.9N 0180421.3E | 1086         | 1228       | F R/FLG W          | Mast               |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |           |                      |                          |              |            |                    |  |
|---|-----------|----------------------|--------------------------|--------------|------------|--------------------|--|
| Area  | No        | Designation          | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles                             |
| 61N 13E   | 395       | FORSMARK 1           | 602413.8N 0181024.6E     | 335          | 340        | F R                | Chimney  |
|   | 396       | FORSMARK 2           | 602404.9N 0181058.5E     | 344          | 350        | F R                | Mast   |
|   | 397       | GRISSEHAMN           | 600530.8N 0184857.6E     | 361          | 458        | F R                | Mast   |
|   | 398       | GRÄSÖ                | 602949.6N 0182352.0E     | 358          | 419        | F R                | Mast   |
|   | 840       | FORSMARK 5           | 602419.3N 0180939.3E     | 328          | 338        | F R                | Chimney  |
|   | 1134      | HALLSTAVIK           | 600417.4N 0183446.3E     | 341          | 396        | F R                | Mast   |
|   | 1404      | LÅNGALMA             | 601613.6N 0182825.7E     | 348          | 366        | F R                | Mast   |
|   | 3918      | GUDINGE              | 603127.4N 0180043.8E     | 702          | 712        | F R/FLG W          | Mast, Note:Support cables within radius 300 m. |
|   | 5091      | FORSMARK             | 602409.4N 0181031.1E     | 335          | 340        | F R                | Chimney  |
|   | 11938     | HALLSTAVIK           | 600459.4N 0183359.0E     | 607          | 699        | FLG R              | Wind turbine                                   |
|   | 11939     | HALLSTAVIK           | 600448.5N 0183416.0E     | 607          | 699        | FLG R              | Wind turbine                                   |
|   | 11940     | HALLSTAVIK           | 600427.1N 0183322.8E     | 607          | 709        | FLG R              | Wind turbine                                   |
|   | 11941     | HALLSTAVIK           | 600418.0N 0183342.5E     | 607          | 705        | FLG R              | Wind turbine                                   |
|   | 11942     | HALLSTAVIK           | 600350.6N 0183355.8E     | 607          | 689        | FLG R              | Wind turbine                                   |
|   | 11943     | HALLSTAVIK           | 600520.9N 0183258.6E     | 607          | 696        | FLG R              | Wind turbine                                   |
|   | 11944     | HALLSTAVIK           | 600522.2N 0183325.1E     | 607          | 696        | FLG R              | Wind turbine                                   |
|   | 11945     | HALLSTAVIK           | 600517.9N 0183409.9E     | 607          | 673        | FLG R              | Wind turbine                                   |
|   | 11946     | HALLSTAVIK           | 600504.9N 0183234.4E     | 607          | 689        | FLG R              | Wind turbine                                   |
|   | 11947     | HALLSTAVIK           | 600454.2N 0183316.7E     | 607          | 709        | FLG R              | Wind turbine                                   |
|   | 11948     | HALLSTAVIK           | 600525.0N 0183212.4E     | 607          | 653        | FLG W              | Wind turbine                                   |
|   | 11949     | HALLSTAVIK           | 600531.5N 0183400.3E     | 607          | 682        | FLG W              | Wind turbine                                   |
|   | 11950     | HALLSTAVIK           | 600510.1N 0183202.2E     | 607          | 659        | FLG W              | Wind turbine                                   |
|   | 11951     | HALLSTAVIK           | 600426.2N 0183246.9E     | 607          | 692        | FLG W              | Wind turbine                                   |
|   | 11952     | HALLSTAVIK           | 600431.0N 0183428.8E     | 607          | 692        | FLG W              | Wind turbine                                   |
|   | 11953     | HALLSTAVIK           | 600357.5N 0183321.8E     | 607          | 699        | FLG W              | Wind turbine                                   |
|   | 11954     | HALLSTAVIK           | 600357.5N 0183426.8E     | 607          | 692        | FLG W              | Wind turbine                                   |
|   | 12377     | FORSMARK             | 602430.8N 0180951.0E     | 335          | 350        | F R                | Mast   |
|   | 407       | TRANSTRAND           | 610307.9N 0131812.2E     | 361          | 2295       | F R                | Mast   |
|   | 10046     | BOSEL-ANDERSKITT     | 611245.6N 0135053.5E (*) | 410          | 2467       | FLG R              | Wind turbine                                   |
|   | 10047     | BOSEL-ANDERSKITT     | 611231.3N 0135041.3E (*) | 410          | 2500       | FLG R              | Wind turbine                                   |
|   | 10048     | BOSEL-ANDERSKITT     | 611233.1N 0135104.0E (*) | 410          | 2480       | FLG R              | Wind turbine                                   |
|   | 10049     | BOSEL-ANDERSKITT     | 611223.8N 0135120.2E (*) | 410          | 2464       | FLG R              | Wind turbine                                   |
|   | 10050     | BOSEL-ANDERSKITT     | 611214.8N 0135139.1E (*) | 410          | 2415       | FLG R              | Wind turbine                                   |
|   | 14516     | ÅNDBERGET            | 614746.6N 0135812.3E     | 591          | 2728       | FLG W              | Wind turbine                                   |
|   | 14517     | ÅNDBERGET            | 614734.2N 0135836.3E     | 591          | 2785       | FLG W              | Wind turbine                                   |
|   | 14518     | ÅNDBERGET            | 614721.4N 0135901.2E     | 591          | 2702       | F R                | Wind turbine                                   |
|   | 14519     | ÅNDBERGET            | 614659.3N 0135739.0E     | 591          | 2867       | F R                | Wind turbine                                   |
|   | 14520     | ÅNDBERGET            | 614645.8N 0135806.7E     | 591          | 2795       | FLG W              | Wind turbine                                   |
|   | 14521     | ÅNDBERGET            | 614630.9N 0135851.2E     | 591          | 2936       | F R                | Wind turbine                                   |
|   | 14522     | ÅNDBERGET            | 614640.2N 0135933.6E     | 591          | 2726       | F R                | Wind turbine                                   |
|   | 14523     | ÅNDBERGET            | 614617.1N 0135915.2E     | 591          | 2851       | FLG W              | Wind turbine                                   |
|   | 14524     | ÅNDBERGET            | 614630.0N 0135623.1E     | 591          | 2749       | F R                | Wind turbine                                   |
|   | 14525     | ÅNDBERGET            | 614621.4N 0135700.9E     | 591          | 2838       | FLG W              | Wind turbine                                   |
|   | 14526     | ÅNDBERGET            | 614618.3N 0135748.2E     | 591          | 2838       | FLG W              | Wind turbine                                   |
|   | 14527     | ÅNDBERGET            | 614602.9N 0135829.0E     | 591          | 2867       | F R                | Wind turbine                                   |
|   | 14528     | ÅNDBERGET            | 614600.4N 0135627.6E     | 591          | 2776       | FLG W              | Wind turbine                                   |
|   | 14529     | ÅNDBERGET            | 614603.6N 0135716.5E     | 591          | 2887       | F R                | Wind turbine                                   |
| 14530   | ÅNDBERGET | 614552.1N 0135748.5E | 591                      | 3038         | F R        | Wind turbine       |  |
| 14531   | ÅNDBERGET | 614543.6N 0135829.8E | 591                      | 2953         | FLG W      | Wind turbine       |  |
| 14532   | ÅNDBERGET | 614541.3N 0135705.1E | 591                      | 2861         | F R        | Wind turbine       |  |
| 14533   | ÅNDBERGET | 614530.5N 0135751.4E | 591                      | 3048         | F R        | Wind turbine       |  |
| 14534   | ÅNDBERGET | 614526.1N 0135838.2E | 591                      | 2851         | FLG W      | Wind turbine       |  |
| 14535   | ÅNDBERGET | 614507.4N 0135621.2E | 591                      | 2792         | FLG W      | Wind turbine       |  |
| 14536   | ÅNDBERGET | 614509.4N 0135722.4E | 591                      | 2848         | F R        | Wind turbine       |  |
| 14537   | ÅNDBERGET | 614459.4N 0135743.8E | 591                      | 2910         | F R        | Wind turbine       |  |
| 14538   | ÅNDBERGET | 614448.1N 0135840.9E | 591                      | 2923         | FLG W      | Wind turbine       |  |
| 14539   | ÅNDBERGET | 614443.1N 0135701.2E | 591                      | 2969         | F R        | Wind turbine       |  |
| 14540   | ÅNDBERGET | 614441.4N 0135754.8E | 591                      | 3081         | F R        | Wind turbine       |  |
| 14541   | ÅNDBERGET | 614419.4N 0135806.2E | 591                      | 2933         | F R        | Wind turbine       |  |
| 14542   | ÅNDBERGET | 614413.7N 0135844.1E | 591                      | 2743         | F R        | Wind turbine       |  |
| 14543   | ÅNDBERGET | 614359.0N 0135454.8E | 591                      | 2782         | F R        | Wind turbine       |  |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation   | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|---------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 14544 | ÅNDBERGET     | 614357.6N 0135543.8E     | 591          | 2730       | F R                | Wind turbine       |
|         | 14545 | ÅNDBERGET     | 614340.0N 0135501.5E     | 591          | 2736       | F R                | Wind turbine       |
|         | 14546 | ÅNDBERGET     | 614339.8N 0135558.5E     | 591          | 2795       | F R                | Wind turbine       |
|         | 14548 | ÅNDBERGET     | 614322.7N 0135518.7E     | 591          | 2785       | F R                | Wind turbine       |
|         | 14549 | ÅNDBERGET     | 614316.6N 0135726.2E     | 591          | 2851       | F R                | Wind turbine       |
|         | 14550 | ÅNDBERGET     | 614304.8N 0135531.1E     | 591          | 2854       | F R                | Wind turbine       |
|         | 14551 | ÅNDBERGET     | 614304.2N 0135645.1E     | 591          | 2936       | F R                | Wind turbine       |
|         | 14552 | ÅNDBERGET     | 614257.6N 0135726.7E     | 591          | 2949       | FLG W              | Wind turbine       |
|         | 14553 | ÅNDBERGET     | 614303.3N 0135932.6E     | 591          | 2841       | FLG W              | Wind turbine       |
|         | 14554 | ÅNDBERGET     | 614244.9N 0135623.7E     | 591          | 3045       | F R                | Wind turbine       |
|         | 14555 | ÅNDBERGET     | 614243.3N 0135751.5E     | 591          | 3012       | F R                | Wind turbine       |
|         | 14556 | ÅNDBERGET     | 614241.6N 0135832.5E     | 591          | 2930       | FLG W              | Wind turbine       |
|         | 14557 | ÅNDBERGET     | 614243.6N 0135957.8E     | 591          | 2943       | F R                | Wind turbine       |
|         | 14560 | ÅNDBERGET     | 614233.1N 0135653.7E     | 591          | 3041       | F R                | Wind turbine       |
|         | 14561 | ÅNDBERGET     | 614223.8N 0135723.9E     | 591          | 3002       | F R                | Wind turbine       |
|         | 14562 | ÅNDBERGET     | 614227.0N 0135807.4E     | 591          | 3110       | FLG W              | Wind turbine       |
|         | 14564 | ÅNDBERGET     | 614207.7N 0135950.6E     | 591          | 2956       | F R                | Wind turbine       |
|         | 14567 | ÅNDBERGET     | 614153.5N 0135917.3E     | 591          | 2963       | FLG W              | Wind turbine       |
|         | 14568 | ÅNDBERGET     | 614133.5N 0135920.0E     | 591          | 2858       | FLG W              | Wind turbine       |
| 61N 14E | 409   | MORA/ELDRIS   | 610101.5N 0141743.7E     | 1063         | 2817       | FLG W              | Mast               |
|         | 410   | SVEG/BRICKAN  | 615524.8N 0141844.4E     | 1060         | 3374       | F R/FLG W          | Mast               |
|         | 412   | KRÄCKELBÄCKEN | 612934.0N 0141229.0E     | 335          | 2667       | F R                | Mast               |
|         | 8663  | BRICKAN       | 615520.1N 0141825.9E (*) | 410          | 2690       | F R                | Wind turbine       |
|         | 11553 | SKAFTÅSEN     | 614534.3N 0142722.4E (*) | 459          | 2608       | F R                | Mast               |
|         | 11919 | BÖSJÖVARDEN   | 611907.4N 0142004.1E     | 492          | 2625       | FLG R              | Wind turbine       |
|         | 11920 | BÖSJÖVARDEN   | 611852.6N 0141947.9E     | 492          | 2730       | FLG R              | Wind turbine       |
|         | 11921 | BÖSJÖVARDEN   | 611855.1N 0141914.8E     | 492          | 2644       | FLG R              | Wind turbine       |
|         | 11923 | BÖSJÖVARDEN   | 611827.2N 0141904.3E     | 492          | 2575       | FLG R              | Wind turbine       |
|         | 11924 | BÖSJÖVARDEN   | 611817.1N 0141930.4E     | 492          | 2575       | FLG R              | Wind turbine       |
|         | 11925 | BÖSJÖVARDEN   | 611831.9N 0141957.5E     | 492          | 2621       | FLG R              | Wind turbine       |
|         | 11926 | BÖSJÖVARDEN   | 611756.7N 0141922.3E     | 492          | 2520       | FLG R              | Wind turbine       |
|         | 11927 | BÖSJÖVARDEN   | 611803.4N 0142003.7E     | 492          | 2520       | FLG R              | Wind turbine       |
|         | 12090 | MÄSSINGBERGET | 611934.9N 0143717.4E     | 476          | 2343       | FLG R              | Wind turbine       |
|         | 12091 | MÄSSINGBERGET | 611931.8N 0143632.3E     | 476          | 2316       | FLG R              | Wind turbine       |
|         | 12092 | MÄSSINGBERGET | 611920.4N 0143653.9E     | 476          | 2395       | F R                | Wind turbine       |
|         | 12093 | MÄSSINGBERGET | 611911.0N 0143716.6E     | 476          | 2329       | FLG R              | Wind turbine       |
|         | 12094 | MÄSSINGBERGET | 611853.9N 0143714.9E     | 476          | 2320       | FLG R              | Wind turbine       |
|         | 12095 | MÄSSINGBERGET | 611902.6N 0143640.0E     | 476          | 2375       | FLG R              | Wind turbine       |
|         | 12096 | MÄSSINGBERGET | 611914.2N 0143605.4E     | 476          | 2372       | F R                | Wind turbine       |
|         | 12097 | MÄSSINGBERGET | 611924.2N 0143537.2E     | 476          | 2349       | FLG R              | Wind turbine       |
|         | 12098 | MÄSSINGBERGET | 611917.0N 0143507.7E     | 476          | 2316       | FLG R              | Wind turbine       |
|         | 12099 | MÄSSINGBERGET | 611901.7N 0143510.8E     | 476          | 2314       | FLG R              | Wind turbine       |
|         | 12100 | MÄSSINGBERGET | 611856.5N 0143559.0E     | 476          | 2329       | FLG R              | Wind turbine       |
|         | 14547 | ÅNDBERGET     | 614337.2N 0140014.9E     | 591          | 2595       | FLG W              | Wind turbine       |
|         | 14558 | ÅNDBERGET     | 614255.6N 0140040.0E     | 591          | 2812       | F R                | Wind turbine       |
|         | 14559 | ÅNDBERGET     | 614243.7N 0140103.1E     | 591          | 2940       | F R                | Wind turbine       |
|         | 14563 | ÅNDBERGET     | 614225.7N 0140111.9E     | 591          | 2808       | F R                | Wind turbine       |
|         | 14565 | ÅNDBERGET     | 614203.8N 0140027.9E     | 591          | 2861       | F R                | Wind turbine       |
|         | 14566 | ÅNDBERGET     | 614208.0N 0140105.5E     | 591          | 2812       | F R                | Wind turbine       |
|         | 14776 | SKAFTÅSEN     | 614733.2N 0142840.2E     | 591          | 2307       | FLG W              | Wind turbine       |
|         | 14777 | SKAFTÅSEN     | 614715.1N 0142856.2E     | 591          | 2300       | FLG W              | Wind turbine       |
|         | 14778 | SKAFTÅSEN     | 614657.5N 0142614.1E     | 591          | 2494       | FLG W              | Wind turbine       |
|         | 14779 | SKAFTÅSEN     | 614653.3N 0142649.9E     | 591          | 2532       | F R                | Wind turbine       |
|         | 14780 | SKAFTÅSEN     | 614653.0N 0142729.5E     | 591          | 2463       | F R                | Wind turbine       |
|         | 14781 | SKAFTÅSEN     | 614555.9N 0142610.5E     | 591          | 2470       | FLG W              | Wind turbine       |
|         | 14782 | SKAFTÅSEN     | 614604.1N 0142647.9E     | 591          | 2483       | F R                | Wind turbine       |
|         | 14783 | SKAFTÅSEN     | 614543.3N 0142626.7E     | 591          | 2611       | F R                | Wind turbine       |
|         | 14784 | SKAFTÅSEN     | 614539.4N 0142657.2E     | 591          | 2711       | F R                | Wind turbine       |
|         | 14785 | SKAFTÅSEN     | 614532.0N 0142745.8E     | 591          | 2802       | F R                | Wind turbine       |
|         | 14786 | SKAFTÅSEN     | 614548.5N 0142736.0E     | 591          | 2705       | F R                | Wind turbine       |
|         | 14787 | SKAFTÅSEN     | 614606.4N 0142730.7E     | 591          | 2506       | F R                | Wind turbine       |
|         | 14788 | SKAFTÅSEN     | 614603.3N 0142819.6E     | 591          | 2612       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                  |                      |              |            |                    |                    |
|---|-------|------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation      | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14789 | SKAFTÅSEN        | 614601.4N 0142915.7E | 591          | 2578       | F R                | Wind turbine       |
|   | 14790 | SKAFTÅSEN        | 614601.0N 0142949.7E | 591          | 2616       | FLG W              | Wind turbine       |
|   | 14791 | SKAFTÅSEN        | 614534.1N 0142817.7E | 591          | 2744       | F R                | Wind turbine       |
|   | 14792 | SKAFTÅSEN        | 614524.3N 0142912.1E | 591          | 2722       | FLG W              | Wind turbine       |
|   | 14793 | SKAFTÅSEN        | 614512.7N 0142812.7E | 591          | 2727       | F R                | Wind turbine       |
|   | 14794 | SKAFTÅSEN        | 614503.7N 0142845.0E | 591          | 2627       | F R                | Wind turbine       |
|   | 14795 | SKAFTÅSEN        | 614437.1N 0142823.0E | 591          | 2743       | F R                | Wind turbine       |
|   | 14796 | SKAFTÅSEN        | 614438.8N 0142854.1E | 591          | 2772       | F R                | Wind turbine       |
|   | 14797 | SKAFTÅSEN        | 614419.7N 0142828.6E | 591          | 2677       | F R                | Wind turbine       |
|   | 14798 | SKAFTÅSEN        | 614408.3N 0142904.3E | 591          | 2750       | F R                | Wind turbine       |
|   | 14799 | SKAFTÅSEN        | 614415.4N 0142737.9E | 591          | 2636       | F R                | Wind turbine       |
|   | 14800 | SKAFTÅSEN        | 614408.8N 0142659.3E | 591          | 2583       | FLG W              | Wind turbine       |
|   | 14801 | SKAFTÅSEN        | 614350.1N 0142709.4E | 591          | 2614       | F R                | Wind turbine       |
|   | 14802 | SKAFTÅSEN        | 614345.4N 0142749.4E | 591          | 2806       | F R                | Wind turbine       |
|   | 14803 | SKAFTÅSEN        | 614342.3N 0142823.0E | 591          | 2784       | FLG W              | Wind turbine       |
|   | 14804 | SKAFTÅSEN        | 614355.0N 0142936.4E | 591          | 2671       | F R                | Wind turbine       |
|   | 14805 | SKAFTÅSEN        | 614351.3N 0143027.1E | 591          | 2659       | FLG W              | Wind turbine       |
|   | 14806 | SKAFTÅSEN        | 614306.2N 0142414.8E | 591          | 2541       | FLG W              | Wind turbine       |
|   | 14807 | SKAFTÅSEN        | 614310.0N 0142459.0E | 591          | 2588       | F R                | Wind turbine       |
|   | 14808 | SKAFTÅSEN        | 614310.0N 0142536.8E | 591          | 2673       | F R                | Wind turbine       |
|   | 14809 | SKAFTÅSEN        | 614226.6N 0142448.8E | 591          | 2523       | FLG W              | Wind turbine       |
|   | 14810 | SKAFTÅSEN        | 614237.6N 0142533.8E | 591          | 2529       | FLG W              | Wind turbine       |
|   | 16189 | VARDTJÄRNEN      | 611839.5N 0141927.0E | 492          | 2662       | unknown            | Wind turbine       |
| 61N 15E   | 1029  | GAMMELMORSBERGET | 615119.1N 0151307.2E | 341          | 2096       | F R                | Mast               |
|   | 9184  | STORBERGET       | 611108.2N 0152252.8E | 410          | 1967       | FLG R              | Wind turbine       |
|   | 9185  | STORBERGET       | 611054.9N 0152253.1E | 410          | 1955       | F R                | Wind turbine       |
|   | 9186  | STORBERGET       | 611044.8N 0152311.0E | 410          | 2029       | F R                | Wind turbine       |
|   | 9187  | STORBERGET       | 611036.2N 0152341.1E | 410          | 1933       | FLG R              | Wind turbine       |
|   | 9188  | STORBERGET       | 611049.6N 0152415.7E | 459          | 1872       | F R                | Wind turbine       |
|   | 9189  | STORBERGET       | 611037.1N 0152423.9E | 410          | 1827       | FLG R              | Wind turbine       |
|   | 9190  | STORBERGET       | 611020.7N 0152243.4E | 410          | 1969       | F R                | Wind turbine       |
|   | 9191  | STORBERGET       | 611010.1N 0152256.7E | 410          | 1920       | F R                | Wind turbine       |
|   | 9192  | STORBERGET       | 611004.7N 0152316.7E | 410          | 1963       | FLG R              | Wind turbine       |
|   | 10105 | STORBERGET       | 611014.7N 0152321.8E | 492          | 1991       | FLG R              | Wind turbine       |
|   | 10106 | STORBERGET       | 611030.7N 0152303.3E | 492          | 2034       | F R                | Wind turbine       |
|   | 10107 | STORBERGET       | 611058.2N 0152320.2E | 492          | 1980       | FLG R              | Wind turbine       |
|   | 10108 | STORBERGET       | 611104.3N 0152149.4E | 492          | 1927       | FLG R              | Wind turbine       |
|   | 10109 | STORBERGET       | 611050.9N 0152213.3E | 492          | 2013       | FLG R              | Wind turbine       |
|   | 10110 | STORBERGET       | 611028.2N 0152221.2E | 492          | 1985       | FLG R              | Wind turbine       |
|   | 11479 | SVARTVALLSBERGET | 614335.3N 0155915.8E | 456          | 1696       | FLG R              | Wind turbine       |
|   | 11480 | SVARTVALLSBERGET | 614345.9N 0155932.6E | 456          | 1602       | FLG R              | Wind turbine       |
|   | 11481 | SVARTVALLSBERGET | 614413.2N 0155725.1E | 456          | 1690       | FLG R              | Wind turbine       |
|   | 11482 | SVARTVALLSBERGET | 614415.2N 0155755.4E | 456          | 1683       | FLG R              | Wind turbine       |
|   | 11483 | SVARTVALLSBERGET | 614401.1N 0155741.4E | 456          | 1762       | FLG R              | Wind turbine       |
|   | 11484 | SVARTVALLSBERGET | 614354.1N 0155712.5E | 456          | 1660       | F R                | Wind turbine       |
|   | 11485 | SVARTVALLSBERGET | 614344.9N 0155741.2E | 456          | 1696       | F R                | Wind turbine       |
|   | 11486 | SVARTVALLSBERGET | 614331.2N 0155719.2E | 456          | 1709       | F R                | Wind turbine       |
|   | 11487 | SVARTVALLSBERGET | 614318.8N 0155732.9E | 456          | 1757       | F R                | Wind turbine       |
|   | 11488 | SVARTVALLSBERGET | 614353.0N 0155809.1E | 456          | 1703       | F R                | Wind turbine       |
|   | 13102 | KORSKROGEN       | 614404.9N 0153520.1E | 673          | 1942       | FLG W              | Wind turbine       |
|   | 13103 | KORSKROGEN       | 614339.8N 0153440.6E | 673          | 2034       | FLG W              | Wind turbine       |
|   | 13104 | KORSKROGEN       | 614332.8N 0153519.5E | 673          | 2060       | FLG W              | Wind turbine       |
|   | 13105 | KORSKROGEN       | 614318.8N 0153539.6E | 673          | 2162       | FLG W              | Wind turbine       |
|   | 13106 | KORSKROGEN       | 614301.6N 0153551.1E | 673          | 2178       | FLG W              | Wind turbine       |
|   | 13107 | KORSKROGEN       | 614245.0N 0153613.4E | 673          | 2234       | FLG W              | Wind turbine       |
|   | 13108 | KORSKROGEN       | 614334.2N 0153654.0E | 673          | 1923       | FLG W              | Wind turbine       |
|   | 13109 | KORSKROGEN       | 614320.3N 0153740.3E | 673          | 1969       | FLG W              | Wind turbine       |
|   | 13110 | KORSKROGEN       | 614239.6N 0153710.8E | 673          | 2136       | FLG W              | Wind turbine       |
|   | 13111 | KORSKROGEN       | 614254.6N 0153658.8E | 673          | 2093       | FLG W              | Wind turbine       |
|   | 13112 | KORSKROGEN       | 614150.9N 0153537.3E | 673          | 2103       | FLG W              | Wind turbine       |
|   | 13113 | KORSKROGEN       | 614157.8N 0153503.4E | 673          | 2185       | FLG W              | Wind turbine       |
|   | 13114 | KORSKROGEN       | 614214.7N 0153457.2E | 673          | 2188       | FLG W              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No             | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|----------------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
| 61N 16E | 13115          | KORSKROGEN           | 614235.1N 0153435.6E | 673          | 2169       | FLG W              | Wind turbine       |
|         | 13116          | KORSKROGEN           | 614254.2N 0153456.6E | 673          | 2129       | FLG W              | Wind turbine       |
|         | 13117          | KORSKROGEN           | 614240.1N 0153519.6E | 673          | 2126       | FLG W              | Wind turbine       |
|         | 13118          | KORSKROGEN           | 614228.8N 0153628.0E | 673          | 2113       | FLG W              | Wind turbine       |
|         | 13119          | KORSKROGEN           | 614215.2N 0153656.2E | 673          | 1978       | FLG W              | Wind turbine       |
|         | 14154          | LOS/KULLAS           | 614409.7N 0152413.2E | 446          | 2105       | F R                | Mast               |
|         | 15870          | LOS                  | 615620.3N 0150644.0E | 427          | 2126       | F R                | Mast               |
|         | 15871          | LOS                  | 615032.6N 0150932.3E | 427          | 1952       | F R                | Mast               |
|         | 15872          | LOS                  | 615042.7N 0150946.3E | 427          | 2005       | F R                | Mast               |
|         | 15873          | LOS                  | 615609.2N 0150656.1E | 427          | 2123       | F R                | Mast               |
|         | 16444          | MICKELSBÄNNAN        | 614116.1N 0152432.4E | 335          | 1856       | unknown            | Mast               |
|         | 419            | HUDIKSVALL           | 614224.8N 0165121.7E | 1099         | 2154       | FLG W              | Mast               |
|         | 422            | BOLLNÄS/ARBRA        | 612900.5N 0161245.8E | 1096         | 2482       | FLG W              | Mast               |
|         | 10115          | FLÄSTA               | 612756.6N 0162827.9E | 492          | 1608       | FLG R              | Wind turbine       |
|         | 10116          | FLÄSTA               | 612747.1N 0162849.7E | 492          | 1585       | FLG R              | Wind turbine       |
|         | 10117          | FLÄSTA               | 612747.7N 0162922.6E | 492          | 1631       | FLG R              | Wind turbine       |
|         | 10416          | VACKERDALSBEGET      | 610357.9N 0163414.6E | 476          | 1575       | FLG R              | Wind turbine       |
|         | 10417          | VACKERDALSBERGET     | 610352.9N 0163501.9E | 476          | 1549       | FLG R              | Wind turbine       |
|         | 10418          | VACKERDALSBEGET      | 610404.2N 0163443.5E | 476          | 1568       | FLG R              | Wind turbine       |
|         | 11051          | FALLÅSBERGET         | 610225.3N 0163624.3E | 492          | 1457       | FLG R              | Wind turbine       |
|         | 11052          | FALLÅSBERGET         | 610231.5N 0163558.9E | 492          | 1447       | FLG R              | Wind turbine       |
|         | 11053          | FALLÅSBERGET         | 610235.7N 0163520.9E | 492          | 1329       | FLG R              | Wind turbine       |
|         | 11054          | FALLÅSBERGET         | 610246.7N 0163546.3E | 492          | 1437       | FLG R              | Wind turbine       |
|         | 11055          | FALLÅSBERGET         | 610259.9N 0163547.7E | 492          | 1309       | FLG R              | Wind turbine       |
|         | 11056          | FALLÅSBERGET         | 610252.1N 0163515.4E | 492          | 1407       | F R                | Wind turbine       |
|         | 11057          | FALLÅSBERGET         | 610239.7N 0163453.8E | 492          | 1355       | FLG R              | Wind turbine       |
|         | 11058          | FALLÅSBERGET         | 610303.6N 0163453.0E | 492          | 1430       | FLG R              | Wind turbine       |
|         | 11059          | FALLÅSBERGET         | 610250.8N 0163433.3E | 492          | 1381       | FLG R              | Wind turbine       |
|         | 11060          | FALLÅSBERGET         | 610302.2N 0163420.7E | 492          | 1365       | FLG R              | Wind turbine       |
|         | 13245          | SÖDERVALLSÅSEN       | 613650.5N 0160315.8E | 492          | 1919       | FLG R              | Wind turbine       |
|         | 13246          | SÖDERVALLSÅSEN       | 613638.2N 0160306.3E | 492          | 1926       | FLG R              | Wind turbine       |
|         | 13247          | SÖDERVALLSÅSEN       | 613640.7N 0160408.6E | 492          | 1939       | FLG R              | Wind turbine       |
|         | 13248          | SÖDERVALLSÅSEN       | 613614.9N 0160408.4E | 492          | 2008       | FLG R              | Wind turbine       |
|         | 13249          | SÖDERVALLSÅSEN       | 613643.2N 0160446.7E | 492          | 1959       | FLG R              | Wind turbine       |
|         | 13250          | SÖDERVALLSÅSEN       | 613605.8N 0160427.3E | 492          | 1985       | FLG R              | Wind turbine       |
|         | 13251          | SÖDERVALLSÅSEN       | 613623.7N 0160445.3E | 492          | 1919       | FLG R              | Wind turbine       |
|         | 13252          | SÖDERVALLSÅSEN       | 613611.6N 0160450.7E | 492          | 1919       | FLG R              | Wind turbine       |
|         | 13253          | SÖDERVALLSÅSEN       | 613619.9N 0160509.5E | 492          | 1942       | FLG R              | Wind turbine       |
|         | 13254          | SÖDERVALLSÅSEN       | 613614.7N 0160538.0E | 492          | 1857       | FLG R              | Wind turbine       |
|         | 13255          | SÖDERVALLSÅSEN       | 613603.2N 0160608.4E | 492          | 1818       | FLG R              | Wind turbine       |
|         | 13256          | SÖDERVALLSÅSEN       | 613528.3N 0160421.6E | 492          | 2001       | FLG R              | Wind turbine       |
|         | 13257          | SÖDERVALLSÅSEN       | 613548.8N 0160604.8E | 492          | 1886       | FLG R              | Wind turbine       |
|         | 13258          | SÖDERVALLSÅSEN       | 613521.1N 0160500.8E | 492          | 1969       | FLG R              | Wind turbine       |
|         | 13259          | SÖDERVALLSÅSEN       | 613550.6N 0160645.5E | 492          | 1821       | FLG R              | Wind turbine       |
|         | 13260          | SÖDERVALLSÅSEN       | 613604.1N 0160726.4E | 492          | 1808       | FLG R              | Wind turbine       |
|         | 13262          | SÖDERVALLSÅSEN       | 613521.7N 0160606.0E | 492          | 1903       | FLG R              | Wind turbine       |
|         | 13263          | SÖDERVALLSÅSEN       | 613534.5N 0160640.0E | 492          | 1831       | FLG R              | Wind turbine       |
|         | 13264          | SÖDERVALLSÅSEN       | 613532.5N 0160723.3E | 492          | 1893       | FLG R              | Wind turbine       |
|         | 13265          | SÖDERVALLSÅSEN       | 613547.9N 0160753.4E | 492          | 1768       | FLG R              | Wind turbine       |
|         | 13266          | SÖDERVALLSÅSEN       | 613455.3N 0160524.7E | 492          | 1837       | FLG R              | Wind turbine       |
|         | 13267          | SÖDERVALLSÅSEN       | 613506.1N 0160612.6E | 492          | 1890       | FLG R              | Wind turbine       |
|         | 13268          | SÖDERVALLSÅSEN       | 613516.4N 0160650.6E | 492          | 1795       | FLG R              | Wind turbine       |
| 13269   | SÖDERVALLSÅSEN | 613518.1N 0160814.7E | 492                  | 1798         | FLG R      | Wind turbine       |                    |
| 13270   | SÖDERVALLSÅSEN | 613509.5N 0160953.6E | 492                  | 1709         | FLG R      | Wind turbine       |                    |
| 13271   | SÖDERVALLSÅSEN | 613504.2N 0161016.5E | 492                  | 1722         | FLG R      | Wind turbine       |                    |
| 13272   | SÖDERVALLSÅSEN | 613451.3N 0161016.4E | 492                  | 1745         | FLG R      | Wind turbine       |                    |
| 13273   | SÖDERVALLSÅSEN | 613435.2N 0160516.7E | 492                  | 2054         | FLG R      | Wind turbine       |                    |
| 13274   | SÖDERVALLSÅSEN | 613432.0N 0160443.9E | 492                  | 1985         | FLG R      | Wind turbine       |                    |
| 13275   | SÖDERVALLSÅSEN | 613424.9N 0160501.7E | 492                  | 2077         | FLG R      | Wind turbine       |                    |
| 13276   | SÖDERVALLSÅSEN | 613418.4N 0160527.4E | 492                  | 2011         | FLG R      | Wind turbine       |                    |
| 13277   | SÖDERVALLSÅSEN | 613433.2N 0160602.8E | 492                  | 1909         | FLG R      | Wind turbine       |                    |
| 13278   | SÖDERVALLSÅSEN | 613409.2N 0160658.1E | 492                  | 1909         | FLG R      | Wind turbine       |                    |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                |                      |              |            |                    |                    |
|---|-------|----------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation    | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 13279 | SÖDERVALLSÅSEN | 613403.9N 0160719.7E | 492          | 1837       | FLG R              | Wind turbine       |
|   | 13280 | SÖDERVALLSÅSEN | 613340.7N 0160727.6E | 492          | 1804       | FLG R              | Wind turbine       |
|   | 13281 | SÖDERVALLSÅSEN | 613334.1N 0160804.1E | 492          | 1824       | FLG R              | Wind turbine       |
|   | 13747 | TÖNSEN         | 610834.3N 0162732.7E | 591          | 1716       | FLG W              | Wind turbine       |
|   | 13748 | TÖNSEN         | 610823.8N 0162806.7E | 591          | 1650       | F R                | Wind turbine       |
|   | 13749 | TÖNSEN         | 610819.8N 0162842.3E | 591          | 1640       | F R                | Wind turbine       |
|   | 13750 | TÖNSEN         | 610853.4N 0162837.7E | 591          | 1677       | FLG W              | Wind turbine       |
|   | 13751 | TÖNSEN         | 610833.8N 0162912.2E | 591          | 1657       | F R                | Wind turbine       |
|   | 13752 | TÖNSEN         | 610804.9N 0162913.5E | 591          | 1667       | F R                | Wind turbine       |
|   | 13753 | TÖNSEN         | 610828.7N 0163002.8E | 591          | 1663       | FLG W              | Wind turbine       |
|   | 13754 | TÖNSEN         | 610809.2N 0163011.0E | 591          | 1693       | FLG W              | Wind turbine       |
|   | 13755 | TÖNSEN         | 610725.9N 0162722.4E | 591          | 1673       | FLG W              | Wind turbine       |
|   | 13756 | TÖNSEN         | 610712.7N 0162750.4E | 591          | 1640       | F R                | Wind turbine       |
|   | 13757 | TÖNSEN         | 610659.6N 0162826.2E | 591          | 1726       | F R                | Wind turbine       |
|   | 13758 | TÖNSEN         | 610647.8N 0162852.4E | 591          | 1690       | F R                | Wind turbine       |
|   | 13759 | TÖNSEN         | 610709.3N 0162917.2E | 591          | 1709       | F R                | Wind turbine       |
|   | 13760 | TÖNSEN         | 610649.2N 0162935.8E | 591          | 1713       | F R                | Wind turbine       |
|   | 13761 | TÖNSEN         | 610636.0N 0163014.0E | 591          | 1654       | F R                | Wind turbine       |
|   | 13762 | TÖNSEN         | 610655.1N 0163020.1E | 591          | 1631       | F R                | Wind turbine       |
|   | 13763 | TÖNSEN         | 610646.9N 0163056.3E | 591          | 1631       | F R                | Wind turbine       |
|   | 13764 | TÖNSEN         | 610629.1N 0163104.5E | 591          | 1696       | F R                | Wind turbine       |
|   | 13765 | TÖNSEN         | 610627.1N 0163141.8E | 591          | 1752       | FLG W              | Wind turbine       |
|   | 13766 | TÖNSEN         | 610628.8N 0162909.4E | 591          | 1631       | FLG W              | Wind turbine       |
|   | 13767 | TÖNSEN         | 610605.0N 0163043.8E | 591          | 1594       | F R                | Wind turbine       |
|   | 13768 | TÖNSEN         | 610559.1N 0163121.7E | 591          | 1581       | F R                | Wind turbine       |
|   | 13769 | TÖNSEN         | 610542.2N 0163205.0E | 591          | 1650       | FLG W              | Wind turbine       |
|   | 13770 | TÖNSEN         | 610610.8N 0163231.3E | 591          | 1716       | F R                | Wind turbine       |
|   | 13771 | TÖNSEN         | 610554.7N 0163254.6E | 591          | 1709       | F R                | Wind turbine       |
|   | 13772 | TÖNSEN         | 610614.9N 0163316.2E | 591          | 1631       | FLG W              | Wind turbine       |
|   | 13773 | TÖNSEN         | 610600.5N 0163436.6E | 591          | 1722       | FLG W              | Wind turbine       |
|   | 13774 | ÅMOT           | 610514.8N 0162333.8E | 591          | 1696       | FLG W              | Wind turbine       |
|   | 13775 | ÅMOT           | 610511.8N 0162414.5E | 591          | 1778       | F R                | Wind turbine       |
|   | 13776 | ÅMOT           | 610459.8N 0162452.0E | 591          | 1706       | F R                | Wind turbine       |
|   | 13777 | ÅMOT           | 610454.3N 0162533.1E | 591          | 1637       | FLG W              | Wind turbine       |
|   | 13778 | ÅMOT           | 610447.2N 0162729.8E | 591          | 1634       | FLG W              | Wind turbine       |
|   | 13779 | ÅMOT           | 610429.3N 0162751.8E | 591          | 1624       | F R                | Wind turbine       |
|   | 13780 | ÅMOT           | 610439.5N 0162650.0E | 591          | 1614       | F R                | Wind turbine       |
|   | 13781 | ÅMOT           | 610400.1N 0162756.7E | 591          | 1558       | F R                | Wind turbine       |
|   | 13782 | ÅMOT           | 610443.8N 0162929.2E | 591          | 1608       | FLG W              | Wind turbine       |
|   | 13783 | ÅMOT           | 610422.9N 0162930.5E | 591          | 1709       | F R                | Wind turbine       |
|   | 13784 | ÅMOT           | 610434.5N 0162849.8E | 591          | 1663       | F R                | Wind turbine       |
|   | 13785 | ÅMOT           | 610450.4N 0162821.9E | 591          | 1627       | F R                | Wind turbine       |
|   | 13786 | ÅMOT           | 610409.4N 0162840.8E | 591          | 1604       | F R                | Wind turbine       |
|   | 13787 | ÅMOT           | 610453.6N 0162409.5E | 591          | 1716       | F R                | Wind turbine       |
|   | 13788 | ÅMOT           | 610423.6N 0162430.4E | 591          | 1657       | FLG W              | Wind turbine       |
|   | 13789 | ÅMOT           | 610414.9N 0162537.8E | 591          | 1640       | F R                | Wind turbine       |
|   | 13790 | ÅMOT           | 610410.3N 0162621.5E | 591          | 1617       | F R                | Wind turbine       |
|   | 13791 | ÅMOT           | 610347.4N 0162447.6E | 591          | 1627       | FLG W              | Wind turbine       |
|   | 13792 | ÅMOT           | 610333.5N 0162529.6E | 591          | 1555       | F R                | Wind turbine       |
|   | 13793 | ÅMOT           | 610254.8N 0162518.2E | 591          | 1722       | FLG W              | Wind turbine       |
|   | 13794 | ÅMOT           | 610230.6N 0162549.8E | 591          | 1690       | F R                | Wind turbine       |
|   | 13795 | ÅMOT           | 610217.6N 0162512.5E | 591          | 1624       | F R                | Wind turbine       |
|   | 13796 | ÅMOT           | 610151.5N 0162517.7E | 591          | 1617       | FLG W              | Wind turbine       |
|   | 13797 | ÅMOT           | 610141.5N 0162658.1E | 591          | 1627       | FLG W              | Wind turbine       |
|   | 13798 | ÅMOT           | 610148.3N 0162617.2E | 591          | 1696       | F R                | Wind turbine       |
|   | 13799 | ÅMOT           | 610218.6N 0162625.6E | 591          | 1719       | F R                | Wind turbine       |
|   | 13800 | ÅMOT           | 610207.1N 0162549.3E | 591          | 1696       | F R                | Wind turbine       |
|   | 13801 | ÅMOT           | 610244.0N 0162629.3E | 591          | 1637       | F R                | Wind turbine       |
|   | 13802 | ÅMOT           | 610230.9N 0162800.4E | 591          | 1621       | F R                | Wind turbine       |
|   | 13803 | ÅMOT           | 610212.5N 0162815.8E | 591          | 1634       | F R                | Wind turbine       |
|   | 13804 | ÅMOT           | 610230.1N 0162852.4E | 591          | 1598       | F R                | Wind turbine       |
|   | 13805 | ÅMOT           | 610203.1N 0162855.2E | 591          | 1535       | FLG W              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                            |                          |              |            |                    |                    |
|---|-------|----------------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation                | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 13806 | ÅMOT                       | 610240.1N 0162932.7E     | 591          | 1591       | F R                | Wind turbine       |
|   | 13807 | ÅMOT                       | 610211.8N 0162935.8E     | 591          | 1558       | F R                | Wind turbine       |
|   | 13808 | ÅMOT                       | 610230.8N 0163010.6E     | 591          | 1562       | F R                | Wind turbine       |
|   | 13809 | ÅMOT                       | 610210.1N 0163023.7E     | 591          | 1545       | F R                | Wind turbine       |
|   | 13810 | ÅMOT                       | 610153.0N 0163042.3E     | 591          | 1522       | F R                | Wind turbine       |
|   | 13811 | ÅMOT                       | 610159.6N 0163120.4E     | 591          | 1522       | F R                | Wind turbine       |
|   | 13812 | ÅMOT                       | 610149.7N 0163224.8E     | 591          | 1535       | F R                | Wind turbine       |
|   | 13813 | ÅMOT                       | 610135.1N 0163115.9E     | 591          | 1516       | FLG W              | Wind turbine       |
|   | 13814 | ÅMOT                       | 610305.0N 0163040.0E     | 591          | 1539       | FLG W              | Wind turbine       |
|   | 13815 | ÅMOT                       | 610243.7N 0163111.3E     | 591          | 1519       | F R                | Wind turbine       |
|   | 13816 | ÅMOT                       | 610234.9N 0163152.1E     | 591          | 1490       | F R                | Wind turbine       |
|   | 13817 | ÅMOT                       | 610225.5N 0163241.4E     | 591          | 1631       | FLG W              | Wind turbine       |
|   | 13818 | ÅMOT                       | 610111.4N 0163154.9E     | 591          | 1516       | F R                | Wind turbine       |
|   | 13819 | ÅMOT                       | 610054.7N 0163225.3E     | 591          | 1447       | FLG W              | Wind turbine       |
|   | 13820 | ÅMOT                       | 610134.0N 0163246.6E     | 591          | 1562       | F R                | Wind turbine       |
|   | 13821 | ÅMOT                       | 610115.3N 0163236.7E     | 591          | 1562       | F R                | Wind turbine       |
|   | 13822 | ÅMOT                       | 610118.3N 0163340.5E     | 591          | 1437       | FLG W              | Wind turbine       |
|   | 13823 | ÅMOT                       | 610058.4N 0163336.0E     | 591          | 1414       | F R                | Wind turbine       |
|   | 13824 | ÅMOT                       | 610039.9N 0163547.9E     | 591          | 1545       | FLG W              | Wind turbine       |
|   | 13825 | ÅMOT                       | 610047.0N 0163652.2E     | 591          | 1499       | F R                | Wind turbine       |
|   | 13826 | ÅMOT                       | 610030.6N 0163720.7E     | 591          | 1381       | F R                | Wind turbine       |
|   | 13827 | ÅMOT                       | 610028.3N 0163634.6E     | 591          | 1407       | F R                | Wind turbine       |
|   | 13828 | ÅMOT                       | 610013.1N 0163704.6E     | 591          | 1362       | FLG W              | Wind turbine       |
|   | 13829 | ÅMOT                       | 610105.5N 0163718.1E     | 591          | 1385       | FLG W              | Wind turbine       |
|   | 13830 | ÅMOT                       | 610047.6N 0163738.3E     | 591          | 1427       | F R                | Wind turbine       |
|   | 13831 | ÅMOT                       | 610025.7N 0163800.9E     | 591          | 1273       | FLG W              | Wind turbine       |
|   | 16443 | SÖDERVALLEN                | 613505.9N 0160509.1E     | 492          | 1867       | unknown            | Wind turbine       |
| 61N 17E   | 428   | IGGESUND/BRUKET            | 613821.8N 0170549.2E     | 400          | 407        | F R                | Chimney            |
|   | 1025  | SÖDERHAMN/MALA             | 611935.8N 0170612.1E     | 456          | 582        | FLG W              | Mast               |
|   | 9142  | STORSAND                   | 614558.4N 0171846.6E     | 410          | 604        | FLG R              | Wind turbine       |
|   | 9143  | STORSAND                   | 614600.6N 0171914.6E     | 410          | 636        | FLG R              | Wind turbine       |
|   | 9144  | STORSAND                   | 614604.3N 0171940.5E     | 410          | 656        | FLG R              | Wind turbine       |
|   | 9145  | STORSAND                   | 614607.0N 0172000.1E     | 410          | 646        | FLG R              | Wind turbine       |
|   | 9146  | STORSAND                   | 614609.0N 0172025.0E     | 410          | 607        | FLG R              | Wind turbine       |
|   | 10767 | STRANDFÄBODARNA            | 610429.2N 0170200.8E     | 492          | 722        | F R                | Mast               |
|   | 11117 | ILSBO                      | 614934.0N 0170521.9E     | 394          | 844        | F R                | Mast               |
| 62N 12E   | 429   | FUNÄSDALEN/FUNÄSDALSBERGET | 623317.1N 0123221.6E     | 348          | 3424       | F R                | Mast               |
|   | 11661 | TROLLKÄRINGVALLEN          | 622310.6N 0125205.3E (*) | 410          | 3163       | FLG W              | Wind turbine       |
|   | 11662 | TROLLKÄRINGVALLEN          | 622258.2N 0125203.5E (*) | 410          | 3140       | FLG W              | Wind turbine       |
|   | 11663 | TROLLKÄRINGVALLEN          | 622241.5N 0125236.5E (*) | 410          | 3117       | FLG W              | Wind turbine       |
|   | 11664 | TROLLKÄRINGVALLEN          | 622249.7N 0125259.1E (*) | 410          | 3150       | FLG W              | Wind turbine       |
|   | 11665 | TROLLKÄRINGVALLEN          | 622305.1N 0125256.0E (*) | 410          | 3071       | FLG W              | Wind turbine       |
|   | 16188 | BJÖRNSKALLEN               | 624848.2N 0124748.3E     | 341          | 3071       | unknown            | Wind turbine       |
| 62N 13E   | 1284  | LÅNGÅKNÄTTEN               | 622601.9N 0131344.2E     | 338          | 2754       | F R                | Mast               |
|   | 7609  | LÅNGÅVALEN                 | 622759.7N 0131711.8E (*) | 397          | 3156       | F R                | Wind turbine       |
|   | 7610  | LÅNGÅVALEN                 | 622810.8N 0131641.8E (*) | 397          | 3182       | F R                | Wind turbine       |
|   | 7611  | LÅNGÅVALEN                 | 622759.6N 0131646.2E (*) | 397          | 3153       | F R                | Wind turbine       |
|   | 7612  | LÅNGÅVALEN                 | 622818.6N 0131656.3E (*) | 397          | 3189       | F R                | Wind turbine       |
|   | 7613  | LÅNGÅVALEN                 | 622827.7N 0131647.4E (*) | 397          | 3114       | F R                | Wind turbine       |
|   | 9526  | LÅNGÅVÅLEN                 | 622749.5N 0131655.6E (*) | 456          | 3199       | F R                | Wind turbine       |
|   | 9527  | LÅNGÅVÅLEN                 | 622746.0N 0131719.1E (*) | 456          | 3202       | F R                | Wind turbine       |
|   | 11826 | GLÖTESVÅLEN                | 620842.0N 0133242.8E (*) | 410          | 3543       | FLG R              | Wind turbine       |
|   | 11827 | GLÖTESVÅLEN                | 620852.8N 0133255.0E (*) | 410          | 3586       | FLG R              | Wind turbine       |
|   | 11828 | GLÖTESVÅLEN                | 620901.4N 0133310.7E (*) | 410          | 3560       | FLG R              | Wind turbine       |
|   | 11829 | GLÖTESVÅLEN                | 620911.0N 0133324.3E (*) | 410          | 3615       | FLG R              | Wind turbine       |
|   | 11830 | GLÖTESVÅLEN                | 620919.1N 0133341.4E (*) | 410          | 3602       | FLG R              | Wind turbine       |
|   | 11831 | GLÖTESVÅLEN                | 620925.7N 0133401.1E (*) | 410          | 3573       | FLG R              | Wind turbine       |
|   | 11832 | GLÖTESVÅLEN                | 620838.5N 0133308.6E (*) | 410          | 3560       | FLG R              | Wind turbine       |
|   | 11833 | GLÖTESVÅLEN                | 620847.8N 0133322.7E (*) | 410          | 3596       | F R                | Wind turbine       |
|   | 11834 | GLÖTESVÅLEN                | 620902.1N 0133347.9E (*) | 410          | 3625       | F R                | Wind turbine       |
|   | 11835 | GLÖTESVÅLEN                | 620913.6N 0133408.4E (*) | 410          | 3619       | FLG R              | Wind turbine       |
|   | 11836 | GLÖTESVÅLEN                | 620835.0N 0133338.0E (*) | 410          | 3632       | FLG R              | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |                    |                      |                          |              |            |                    |                    |
|---|--------------------|----------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No                 | Designation          | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 62N 14E   | 11837              | GLÖTESVÅLEN          | 620849.1N 0133346.3E (*) | 410          | 3652       | F R                | Wind turbine       |
|   | 11838              | GLÖTESVÅLEN          | 620859.1N 0133414.2E (*) | 410          | 3632       | F R                | Wind turbine       |
|   | 11839              | GLÖTESVÅLEN          | 620906.2N 0133433.7E (*) | 410          | 3599       | FLG R              | Wind turbine       |
|   | 11840              | GLÖTESVÅLEN          | 620834.3N 0133403.8E (*) | 410          | 3711       | F R                | Wind turbine       |
|   | 11841              | GLÖTESVÅLEN          | 620845.6N 0133412.5E (*) | 410          | 3645       | F R                | Wind turbine       |
|   | 11842              | GLÖTESVÅLEN          | 620852.2N 0133440.9E (*) | 410          | 3589       | F R                | Wind turbine       |
|   | 11843              | GLÖTESVÅLEN          | 620857.4N 0133508.6E (*) | 410          | 3599       | FLG R              | Wind turbine       |
|   | 11844              | GLÖTESVÅLEN          | 620820.7N 0133412.7E (*) | 410          | 3704       | FLG R              | Wind turbine       |
|   | 11845              | GLÖTESVÅLEN          | 620828.6N 0133430.1E (*) | 410          | 3655       | F R                | Wind turbine       |
|   | 11846              | GLÖTESVÅLEN          | 620843.3N 0133504.9E (*) | 410          | 3553       | F R                | Wind turbine       |
|   | 11847              | GLÖTESVÅLEN          | 620845.8N 0133527.7E (*) | 410          | 3530       | FLG R              | Wind turbine       |
|   | 11848              | GLÖTESVÅLEN          | 620812.8N 0133436.9E (*) | 410          | 3648       | FLG R              | Wind turbine       |
|   | 11849              | GLÖTESVÅLEN          | 620826.5N 0133455.7E (*) | 410          | 3593       | F R                | Wind turbine       |
|   | 11850              | GLÖTESVÅLEN          | 620832.2N 0133523.3E (*) | 410          | 3527       | FLG R              | Wind turbine       |
|   | 11851              | GLÖTESVÅLEN          | 620812.1N 0133502.0E (*) | 410          | 3671       | F R                | Wind turbine       |
|   | 11852              | GLÖTESVÅLEN          | 620817.9N 0133524.2E (*) | 410          | 3606       | FLG R              | Wind turbine       |
|   | 11853              | GLÖTESVÅLEN          | 620757.8N 0133508.2E (*) | 410          | 3691       | FLG R              | Wind turbine       |
|   | 11854              | GLÖTESVÅLEN          | 620803.2N 0133528.0E (*) | 410          | 3668       | FLG R              | Wind turbine       |
|   | 11855              | GLÖTESVÅLEN          | 620800.7N 0133554.1E (*) | 410          | 3560       | FLG R              | Wind turbine       |
|   | 9593               | RODOVÅLEN            | 622056.4N 0140618.5E     | 456          | 3081       | F R                | Wind turbine       |
|   | 9594               | RODOVÅLEN            | 622101.1N 0140640.2E     | 456          | 3079       | F R                | Wind turbine       |
|   | 9595               | RODOVÅLEN            | 622045.8N 0140705.7E     | 456          | 3041       | F R                | Wind turbine       |
|   | 9927               | SVEDJE/KOMMERBERGET  | 625518.7N 0141609.3E     | 456          | 2314       | FLG R              | Wind turbine       |
|   | 10753              | SKÅLAN               | 623717.5N 0141004.0E     | 492          | 2703       | FLG R              | Wind turbine       |
|   | 10754              | SKÅLAN               | 623715.8N 0140918.8E     | 492          | 2503       | FLG R              | Wind turbine       |
|   | 10755              | SKÅLAN               | 623705.5N 0140945.7E     | 492          | 2480       | FLG R              | Wind turbine       |
|   | 11349              | RÅTAN                | 622716.6N 0143950.3E     | 587          | 2254       | FLG W              | Wind turbine       |
|   | 11350              | RÅTAN                | 622738.2N 0144001.6E     | 587          | 2267       | FLG W              | Wind turbine       |
|   | 11351              | RÅTAN                | 622721.6N 0144058.8E     | 587          | 2398       | FLG W              | Wind turbine       |
|   | 11352              | RÅTAN                | 622705.4N 0144159.7E     | 587          | 2484       | FLG W              | Wind turbine       |
|   | 11353              | RÅTAN                | 622726.0N 0144224.0E     | 587          | 2431       | FLG W              | Wind turbine       |
|   | 11354              | RÅTAN                | 622658.9N 0144238.1E     | 587          | 2520       | FLG W              | Wind turbine       |
|   | 11355              | RÅTAN                | 622711.7N 0144316.3E     | 587          | 2418       | FLG W              | Wind turbine       |
|   | 11356              | RÅTAN                | 622706.2N 0144406.4E     | 587          | 2451       | FLG W              | Wind turbine       |
|   | 11357              | RÅTAN                | 622722.6N 0144416.9E     | 587          | 2451       | FLG W              | Wind turbine       |
|   | 11358              | RÅTAN                | 622744.4N 0144402.9E     | 587          | 2323       | FLG W              | Wind turbine       |
|   | 11359              | RÅTAN                | 622754.0N 0144315.1E     | 587          | 2234       | FLG W              | Wind turbine       |
|   | 11360              | RÅTAN                | 622554.9N 0144510.6E     | 587          | 2346       | FLG W              | Wind turbine       |
|   | 11361              | RÅTAN                | 622536.6N 0144509.8E     | 587          | 2402       | FLG W              | Wind turbine       |
|   | 11362              | RÅTAN                | 622543.4N 0144425.4E     | 587          | 2425       | FLG W              | Wind turbine       |
|   | 11363              | RÅTAN                | 622603.6N 0144401.6E     | 587          | 2349       | FLG W              | Wind turbine       |
|   | 11364              | RÅTAN                | 622553.6N 0144248.6E     | 587          | 2372       | FLG W              | Wind turbine       |
|   | 11365              | RÅTAN                | 622532.4N 0144304.5E     | 587          | 2372       | FLG W              | Wind turbine       |
| 11366   | RÅTAN              | 622539.5N 0144216.0E | 587                      | 2408         | FLG W      | Wind turbine       |                    |
| 11367   | RÅTAN              | 622535.0N 0144057.4E | 587                      | 2385         | FLG W      | Wind turbine       |                    |
| 11368   | RÅTAN              | 622549.5N 0144027.9E | 587                      | 2421         | FLG W      | Wind turbine       |                    |
| 11369   | RÅTAN              | 622533.0N 0144011.1E | 587                      | 2421         | FLG W      | Wind turbine       |                    |
| 11370   | RÅTAN              | 622511.6N 0144016.4E | 587                      | 2425         | FLG W      | Wind turbine       |                    |
| 11371   | RÅTAN              | 622604.6N 0143958.4E | 587                      | 2343         | FLG W      | Wind turbine       |                    |
| 11372   | RÅTAN              | 622548.1N 0143925.5E | 587                      | 2418         | FLG W      | Wind turbine       |                    |
| 11373   | RÅTAN              | 622525.3N 0143905.6E | 587                      | 2316         | FLG W      | Wind turbine       |                    |
| 11374   | RÅTAN              | 622609.1N 0143825.5E | 587                      | 2290         | FLG W      | Wind turbine       |                    |
| 11656   | RÅTANS-DIGERBERGET | 623050.5N 0143808.5E | 476                      | 2131         | FLG R      | Wind turbine       |                    |
| 11658   | RÅTANS-DIGERBERGET | 623033.6N 0143849.1E | 476                      | 2116         | FLG W      | Wind turbine       |                    |
| 11659   | RÅTANS-DIGERBERGET | 623019.2N 0143818.8E | 459                      | 2110         | FLG W      | Wind turbine       |                    |
| 11660   | RÅTANS-DIGERBERGET | 623032.7N 0143936.0E | 476                      | 2054         | FLG W      | Wind turbine       |                    |
| 13623   | RÅTAN              | 623434.0N 0145522.6E | 722                      | 2395         | FLG W      | Wind turbine       |                    |
| 13624   | RÅTAN              | 623411.4N 0145517.0E | 722                      | 2421         | F R        | Wind turbine       |                    |
| 13625   | RÅTAN              | 623417.4N 0145600.6E | 722                      | 2421         | F R        | Wind turbine       |                    |
| 13626   | RÅTAN              | 623401.8N 0145615.2E | 722                      | 2425         | FLG W      | Wind turbine       |                    |
| 13627   | RÅTAN              | 623356.5N 0145532.0E | 722                      | 2503         | F R        | Wind turbine       |                    |
| 13631   | RÅTAN              | 623342.0N 0145511.1E | 722                      | 2434         | FLG W      | Wind turbine       |                    |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation     | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|-----------------|----------------------|--------------|------------|--------------------|--------------------|
|         | 13632 | RÄTAN           | 623326.1N 0145528.9E | 722          | 2457       | F R                | Wind turbine       |
|         | 13633 | RÄTAN           | 623333.8N 0145604.3E | 722          | 2510       | F R                | Wind turbine       |
|         | 13634 | RÄTAN           | 623326.6N 0145641.2E | 722          | 2507       | F R                | Wind turbine       |
|         | 13635 | RÄTAN           | 623310.0N 0145656.8E | 722          | 2441       | FLG W              | Wind turbine       |
|         | 13728 | RÄTAN           | 623308.4N 0145550.2E | 722          | 2461       | F R                | Wind turbine       |
|         | 13729 | RÄTAN           | 623253.7N 0145531.6E | 722          | 2405       | FLG W              | Wind turbine       |
|         | 13730 | RÄTAN           | 623252.8N 0145619.1E | 722          | 2438       | F R                | Wind turbine       |
|         | 13731 | RÄTAN           | 623252.9N 0145659.2E | 722          | 2408       | F R                | Wind turbine       |
|         | 13732 | RÄTAN           | 623222.9N 0145611.7E | 722          | 2405       | F R                | Wind turbine       |
|         | 13733 | RÄTAN           | 623223.7N 0145700.0E | 722          | 2438       | F R                | Wind turbine       |
|         | 13734 | RÄTAN           | 623146.9N 0145724.2E | 722          | 2382       | FLG W              | Wind turbine       |
|         | 13735 | RÄTAN           | 623154.6N 0145639.7E | 722          | 2359       | F R                | Wind turbine       |
|         | 13736 | RÄTAN           | 623139.3N 0145650.7E | 722          | 2372       | FLG W              | Wind turbine       |
|         | 13737 | RÄTAN           | 623115.6N 0145721.6E | 722          | 2349       | FLG W              | Wind turbine       |
|         | 13974 | ALBY            | 623034.2N 0145957.7E | 722          | 2270       | FLG W              | Wind turbine       |
|         | 16191 | RÄTANSBYN       | 623037.7N 0143751.8E | 456          | 2135       | unknown            | Wind turbine       |
| 62N 15E | 438   | ÅNGE            | 623010.7N 0152240.2E | 1086         | 2674       | F R/FLG W          | Mast               |
|         | 11396 | MÖRTTJÄRNBERGET | 624215.4N 0155456.3E | 564          | 2192       | FLG W              | Wind turbine       |
|         | 11397 | MÖRTTJÄRNBERGET | 624232.6N 0155511.0E | 564          | 2195       | F R                | Wind turbine       |
|         | 11398 | MÖRTTJÄRNBERGET | 624237.1N 0155544.9E | 564          | 2211       | F R                | Wind turbine       |
|         | 11399 | MÖRTTJÄRNBERGET | 624241.0N 0155619.9E | 564          | 2175       | F R                | Wind turbine       |
|         | 11400 | MÖRTTJÄRNBERGET | 624302.2N 0155642.7E | 564          | 2185       | F R                | Wind turbine       |
|         | 11401 | MÖRTTJÄRNBERGET | 624247.8N 0155658.7E | 564          | 2195       | FLG W              | Wind turbine       |
|         | 11402 | MÖRTTJÄRNBERGET | 624252.4N 0155739.2E | 564          | 2142       | F R                | Wind turbine       |
|         | 11403 | MÖRTTJÄRNBERGET | 624302.6N 0155814.9E | 564          | 2159       | F R                | Wind turbine       |
|         | 11404 | MÖRTTJÄRNBERGET | 624308.8N 0155846.8E | 564          | 2228       | FLG W              | Wind turbine       |
|         | 11405 | MÖRTTJÄRNBERGET | 624255.3N 0155539.3E | 564          | 2142       | F R                | Wind turbine       |
|         | 11406 | MÖRTTJÄRNBERGET | 624312.1N 0155612.0E | 564          | 2172       | F R                | Wind turbine       |
|         | 11407 | MÖRTTJÄRNBERGET | 624317.9N 0155650.5E | 564          | 2172       | F R                | Wind turbine       |
|         | 11408 | MÖRTTJÄRNBERGET | 624315.2N 0155739.2E | 564          | 2162       | F R                | Wind turbine       |
|         | 11409 | MÖRTTJÄRNBERGET | 624322.2N 0155817.4E | 564          | 2172       | F R                | Wind turbine       |
|         | 11410 | MÖRTTJÄRNBERGET | 624325.7N 0155852.4E | 564          | 2228       | F R                | Wind turbine       |
|         | 11411 | MÖRTTJÄRNBERGET | 624301.4N 0155434.6E | 564          | 2136       | F R                | Wind turbine       |
|         | 11412 | MÖRTTJÄRNBERGET | 624312.2N 0155501.2E | 564          | 2152       | F R                | Wind turbine       |
|         | 11413 | MÖRTTJÄRNBERGET | 624320.2N 0155530.9E | 564          | 2149       | F R                | Wind turbine       |
|         | 11414 | MÖRTTJÄRNBERGET | 624329.8N 0155603.7E | 564          | 2096       | F R                | Wind turbine       |
|         | 11415 | MÖRTTJÄRNBERGET | 624334.1N 0155646.1E | 564          | 2159       | F R                | Wind turbine       |
|         | 11416 | MÖRTTJÄRNBERGET | 624330.8N 0155721.2E | 564          | 2142       | F R                | Wind turbine       |
|         | 11417 | MÖRTTJÄRNBERGET | 624341.0N 0155749.0E | 564          | 2224       | F R                | Wind turbine       |
|         | 11418 | MÖRTTJÄRNBERGET | 624337.9N 0155821.8E | 564          | 2251       | F R                | Wind turbine       |
|         | 11419 | MÖRTTJÄRNBERGET | 624338.8N 0155913.4E | 564          | 2208       | FLG W              | Wind turbine       |
|         | 11420 | MÖRTTJÄRNBERGET | 624307.6N 0155401.0E | 564          | 2116       | FLG W              | Wind turbine       |
|         | 11421 | MÖRTTJÄRNBERGET | 624327.6N 0155445.5E | 564          | 2116       | F R                | Wind turbine       |
|         | 11422 | MÖRTTJÄRNBERGET | 624341.3N 0155510.7E | 564          | 2126       | F R                | Wind turbine       |
|         | 11423 | MÖRTTJÄRNBERGET | 624347.9N 0155541.9E | 564          | 2129       | F R                | Wind turbine       |
|         | 11424 | MÖRTTJÄRNBERGET | 624349.7N 0155618.9E | 564          | 2123       | F R                | Wind turbine       |
|         | 11425 | MÖRTTJÄRNBERGET | 624358.1N 0155739.9E | 564          | 2234       | F R                | Wind turbine       |
|         | 11426 | MÖRTTJÄRNBERGET | 624357.2N 0155814.4E | 564          | 2241       | FLG W              | Wind turbine       |
|         | 11427 | MÖRTTJÄRNBERGET | 624349.4N 0155847.1E | 564          | 2264       | F R                | Wind turbine       |
|         | 11428 | MÖRTTJÄRNBERGET | 624328.3N 0155405.7E | 564          | 2087       | F R                | Wind turbine       |
|         | 11429 | MÖRTTJÄRNBERGET | 624342.2N 0155427.2E | 564          | 2090       | FLG W              | Wind turbine       |
|         | 11430 | MÖRTTJÄRNBERGET | 624354.9N 0155441.8E | 564          | 2064       | F R                | Wind turbine       |
|         | 11431 | MÖRTTJÄRNBERGET | 624359.9N 0155516.1E | 564          | 2083       | F R                | Wind turbine       |
|         | 11432 | MÖRTTJÄRNBERGET | 624406.9N 0155557.9E | 564          | 2077       | FLG W              | Wind turbine       |
|         | 12197 | STORFLÖTTEN     | 623030.3N 0150205.8E | 397          | 2004       | F R                | Mast               |
|         | 12832 | VÄSBERGET       | 620734.1N 0153152.0E | 568          | 2307       | FLG W              | Wind turbine       |
|         | 12833 | VÄSBERGET       | 620756.0N 0153225.2E | 568          | 2350       | FLG W              | Wind turbine       |
|         | 12834 | VÄSBERGET       | 620744.1N 0153213.1E | 568          | 2362       | FLG W              | Wind turbine       |
|         | 12835 | VÄSBERGET       | 620804.3N 0153155.7E | 568          | 2404       | FLG W              | Wind turbine       |
|         | 12836 | VÄSBERGET       | 620813.7N 0153134.1E | 568          | 2376       | FLG W              | Wind turbine       |
|         | 12837 | VÄSBERGET       | 620725.4N 0153132.7E | 568          | 2238       | FLG W              | Wind turbine       |
|         | 12838 | VÄSBERGET       | 620719.8N 0153207.7E | 568          | 2263       | FLG W              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                 |                      |              |            |                    |                    |
|---|-------|-----------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation     | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 12839 | VÄSBERGET       | 620708.5N 0153147.4E | 568          | 2288       | FLG W              | Wind turbine       |
|   | 13361 | RIBERGET        | 621821.6N 0153012.4E | 427          | 1959       | F R                | Mast               |
|   | 13362 | BRÄCKE/FASIKAN  | 623802.6N 0153436.9E | 502          | 2178       | F R                | Mast               |
|   | 13912 | BRÄCKE          | 624425.9N 0153208.2E | 591          | 2241       | F R                | Wind turbine       |
|   | 13913 | BRÄCKE          | 624447.5N 0153143.1E | 591          | 2218       | FLG W              | Wind turbine       |
|   | 13914 | BRÄCKE          | 624409.9N 0153234.3E | 591          | 2310       | FLG W              | Wind turbine       |
|   | 13915 | BRÄCKE          | 624418.6N 0153316.1E | 591          | 2333       | FLG W              | Wind turbine       |
|   | 13916 | BRÄCKE          | 624401.8N 0153432.1E | 591          | 2234       | FLG W              | Wind turbine       |
|   | 13917 | BRÄCKE          | 624727.8N 0153108.3E | 591          | 2270       | FLG W              | Wind turbine       |
|   | 13918 | BRÄCKE          | 624708.7N 0153100.1E | 591          | 2264       | F R                | Wind turbine       |
|   | 13919 | BRÄCKE          | 624656.4N 0153216.8E | 591          | 2300       | FLG W              | Wind turbine       |
|   | 13920 | BRÄCKE          | 624659.7N 0153141.4E | 591          | 2329       | F R                | Wind turbine       |
|   | 13921 | BRÄCKE          | 624644.7N 0153119.1E | 591          | 2293       | FLG W              | Wind turbine       |
|   | 13922 | BRÄCKE          | 624628.0N 0153223.2E | 591          | 2349       | FLG W              | Wind turbine       |
|   | 13966 | ALBY            | 623057.9N 0150417.1E | 722          | 2306       | FLG W              | Wind turbine       |
|   | 13967 | ALBY            | 623047.0N 0150341.6E | 722          | 2365       | F R                | Wind turbine       |
|   | 13968 | ALBY            | 623052.2N 0150242.8E | 722          | 2349       | F R                | Wind turbine       |
|   | 13969 | ALBY            | 623106.8N 0150218.6E | 722          | 2375       | FLG W              | Wind turbine       |
|   | 13970 | ALBY            | 623115.2N 0150146.5E | 722          | 2382       | F R                | Wind turbine       |
|   | 13971 | ALBY            | 623116.3N 0150101.3E | 722          | 2369       | FLG W              | Wind turbine       |
|   | 13972 | ALBY            | 623058.1N 0150123.4E | 722          | 2343       | F R                | Wind turbine       |
|   | 13973 | ALBY            | 623057.1N 0150031.8E | 722          | 2365       | F R                | Wind turbine       |
|   | 13975 | ALBY            | 623041.0N 0150059.1E | 722          | 2375       | F R                | Wind turbine       |
|   | 13976 | ALBY            | 623028.6N 0150138.1E | 722          | 2382       | F R                | Wind turbine       |
|   | 13977 | ALBY            | 623017.5N 0150044.9E | 722          | 2382       | F R                | Wind turbine       |
|   | 13978 | ALBY            | 623000.3N 0150101.4E | 722          | 2326       | F R                | Wind turbine       |
|   | 13979 | ALBY            | 622945.4N 0150127.5E | 722          | 2372       | F R                | Wind turbine       |
|   | 13980 | ALBY            | 622932.4N 0150154.6E | 722          | 2402       | F R                | Wind turbine       |
|   | 13981 | ALBY            | 622919.2N 0150222.8E | 722          | 2434       | F R                | Wind turbine       |
|   | 13982 | ALBY            | 622851.7N 0150213.3E | 722          | 2434       | FLG W              | Wind turbine       |
|   | 13983 | ALBY            | 622905.5N 0150111.3E | 722          | 2274       | FLG W              | Wind turbine       |
|   | 13984 | ALBY            | 622909.9N 0150035.4E | 722          | 2264       | FLG W              | Wind turbine       |
|   | 13985 | ALBY            | 622955.8N 0150209.1E | 722          | 2431       | F R                | Wind turbine       |
|   | 13986 | ALBY            | 623019.8N 0150219.5E | 722          | 2418       | F R                | Wind turbine       |
|   | 13987 | ALBY            | 622956.2N 0150327.7E | 722          | 2467       | F R                | Wind turbine       |
|   | 13988 | ALBY            | 623001.9N 0150250.1E | 722          | 2520       | F R                | Wind turbine       |
|   | 13989 | ALBY            | 622950.6N 0150505.3E | 722          | 2408       | F R                | Wind turbine       |
|   | 13990 | ALBY            | 622953.3N 0150543.0E | 722          | 2365       | FLG W              | Wind turbine       |
|   | 13991 | ALBY            | 622936.2N 0150607.1E | 722          | 2323       | F R                | Wind turbine       |
|   | 13992 | ALBY            | 622929.0N 0150652.9E | 722          | 2290       | FLG W              | Wind turbine       |
|   | 13993 | ALBY            | 622905.3N 0150649.8E | 722          | 2293       | F R                | Wind turbine       |
|   | 13994 | ALBY            | 622842.4N 0150727.3E | 722          | 2375       | FLG W              | Wind turbine       |
|   | 13995 | ALBY            | 622906.0N 0150729.0E | 722          | 2208       | FLG W              | Wind turbine       |
|   | 13996 | ALBY            | 622838.7N 0150641.3E | 722          | 2247       | FLG W              | Wind turbine       |
|   | 13997 | ALBY            | 622919.6N 0150411.5E | 722          | 2477       | F R                | Wind turbine       |
|   | 13998 | ALBY            | 622917.6N 0150447.8E | 722          | 2477       | F R                | Wind turbine       |
|   | 13999 | ALBY            | 622903.7N 0150519.3E | 722          | 2448       | FLG W              | Wind turbine       |
|   | 14000 | ALBY            | 622922.8N 0150539.6E | 722          | 2395       | F R                | Wind turbine       |
|   | 14001 | ALBY            | 622905.0N 0150558.2E | 722          | 2339       | F R                | Wind turbine       |
|   | 14330 | MÖRTTJÄRNBERGET | 624407.7N 0155506.2E | 371          | 1854       | F R                | Mast               |
|   | 14422 | RAMSJÖ          | 621500.6N 0153628.6E | 459          | 1765       | F R                | Mast               |
|   | 14423 | RAMSJÖ          | 621750.2N 0153726.4E | 459          | 1864       | F R                | Mast               |
|   | 15419 | ÄNGE            | 622527.2N 0154550.0E | 722          | 2365       | FLG W              | Wind turbine       |
|   | 15420 | ÄNGE            | 622508.3N 0154627.2E | 722          | 2346       | F R                | Wind turbine       |
|   | 15421 | ÄNGE            | 622453.6N 0154504.7E | 722          | 2303       | FLG W              | Wind turbine       |
|   | 15422 | ÄNGE            | 622428.3N 0154510.8E | 722          | 2329       | FLG W              | Wind turbine       |
|   | 15423 | ÄNGE            | 622431.5N 0154423.6E | 722          | 2244       | F R                | Wind turbine       |
|   | 15424 | ÄNGE            | 622443.5N 0155054.4E | 722          | 2133       | F R                | Wind turbine       |
|   | 15425 | ÄNGE            | 622407.0N 0154424.6E | 722          | 2329       | F R                | Wind turbine       |
|   | 15426 | ÄNGE            | 622131.8N 0154937.3E | 722          | 2113       | FLG W              | Wind turbine       |
|   | 15427 | ÄNGE            | 622340.3N 0154438.0E | 722          | 2303       | F R                | Wind turbine       |
|   | 15428 | ÄNGE            | 622327.5N 0154516.5E | 722          | 2264       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 15429 | ÅNGE        | 622514.2N 0154528.0E | 722          | 2231       | FLG W              | Wind turbine       |
|      | 15430 | ÅNGE        | 622354.9N 0154529.5E | 722          | 2297       | F R                | Wind turbine       |
|      | 15431 | ÅNGE        | 622331.8N 0154807.5E | 722          | 2188       | F R                | Wind turbine       |
|      | 15432 | ÅNGE        | 621927.7N 0154457.1E | 722          | 2034       | F R                | Wind turbine       |
|      | 15433 | ÅNGE        | 622327.2N 0154940.3E | 722          | 2093       | F R                | Wind turbine       |
|      | 15434 | ÅNGE        | 622239.8N 0154619.6E | 722          | 2205       | F R                | Wind turbine       |
|      | 15435 | ÅNGE        | 622206.9N 0154624.7E | 722          | 2241       | FLG W              | Wind turbine       |
|      | 15436 | ÅNGE        | 622305.3N 0154814.2E | 722          | 2159       | F R                | Wind turbine       |
|      | 15437 | ÅNGE        | 622332.0N 0154619.1E | 722          | 2247       | F R                | Wind turbine       |
|      | 15438 | ÅNGE        | 622142.5N 0154600.3E | 722          | 2293       | F R                | Wind turbine       |
|      | 15439 | ÅNGE        | 622149.8N 0154524.2E | 722          | 2303       | F R                | Wind turbine       |
|      | 15440 | ÅNGE        | 622138.6N 0154641.0E | 722          | 2234       | F R                | Wind turbine       |
|      | 15441 | ÅNGE        | 622140.7N 0154727.9E | 722          | 2274       | F R                | Wind turbine       |
|      | 15442 | ÅNGE        | 622151.0N 0154833.2E | 722          | 2244       | F R                | Wind turbine       |
|      | 15443 | ÅNGE        | 622138.0N 0154342.7E | 722          | 2162       | F R                | Wind turbine       |
|      | 15444 | ÅNGE        | 622212.6N 0154905.9E | 722          | 2297       | FLG W              | Wind turbine       |
|      | 15445 | ÅNGE        | 622224.4N 0154942.5E | 722          | 2333       | F R                | Wind turbine       |
|      | 15446 | ÅNGE        | 622211.9N 0155031.3E | 722          | 2136       | FLG W              | Wind turbine       |
|      | 15447 | ÅNGE        | 622058.1N 0154353.5E | 722          | 2234       | F R                | Wind turbine       |
|      | 15448 | ÅNGE        | 622429.8N 0155021.2E | 722          | 2110       | F R                | Wind turbine       |
|      | 15449 | ÅNGE        | 622432.8N 0154607.4E | 722          | 2221       | F R                | Wind turbine       |
|      | 15450 | ÅNGE        | 622004.7N 0154626.5E | 722          | 2185       | FLG W              | Wind turbine       |
|      | 15451 | ÅNGE        | 621939.4N 0154703.3E | 722          | 2244       | F R                | Wind turbine       |
|      | 15452 | ÅNGE        | 622406.9N 0154801.6E | 722          | 2116       | F R                | Wind turbine       |
|      | 15466 | ÅNGE        | 622348.9N 0154859.3E | 722          | 2110       | F R                | Wind turbine       |
|      | 15467 | ÅNGE        | 622006.9N 0154701.7E | 722          | 2178       | F R                | Wind turbine       |
|      | 15468 | ÅNGE        | 622410.8N 0154951.4E | 722          | 2047       | F R                | Wind turbine       |
|      | 15469 | ÅNGE        | 622001.8N 0154456.2E | 722          | 2129       | F R                | Wind turbine       |
|      | 15470 | ÅNGE        | 622018.2N 0154406.7E | 722          | 2221       | FLG W              | Wind turbine       |
|      | 15471 | ÅNGE        | 622044.8N 0154313.6E | 722          | 2195       | F R                | Wind turbine       |
|      | 15472 | ÅNGE        | 622038.9N 0154547.6E | 722          | 2185       | F R                | Wind turbine       |
|      | 15473 | ÅNGE        | 622040.0N 0154504.6E | 722          | 2205       | F R                | Wind turbine       |
|      | 15474 | ÅNGE        | 621936.8N 0154612.8E | 722          | 2146       | FLG W              | Wind turbine       |
|      | 15475 | ÅNGE        | 622530.4N 0154624.9E | 722          | 2287       | F R                | Wind turbine       |
|      | 15476 | ÅNGE        | 622001.5N 0154258.8E | 722          | 2126       | F R                | Wind turbine       |
|      | 15477 | ÅNGE        | 622404.1N 0154500.1E | 722          | 2365       | F R                | Wind turbine       |
|      | 15478 | ÅNGE        | 622355.1N 0154651.0E | 722          | 2205       | FLG W              | Wind turbine       |
|      | 15479 | ÅNGE        | 622056.5N 0154639.7E | 722          | 2087       | F R                | Wind turbine       |
|      | 15480 | ÅNGE        | 622249.1N 0154649.9E | 722          | 2306       | F R                | Wind turbine       |
|      | 15481 | ÅNGE        | 622246.4N 0154809.7E | 722          | 2198       | FLG W              | Wind turbine       |
|      | 15482 | ÅNGE        | 622139.9N 0154453.9E | 722          | 2234       | F R                | Wind turbine       |
|      | 15483 | ÅNGE        | 622433.9N 0154645.7E | 722          | 2142       | FLG W              | Wind turbine       |
|      | 15484 | ÅNGE        | 622159.4N 0154951.7E | 722          | 2185       | F R                | Wind turbine       |
|      | 15485 | ÅNGE        | 622123.9N 0154734.0E | 722          | 2244       | F R                | Wind turbine       |
|      | 15486 | ÅNGE        | 622207.9N 0154709.3E | 722          | 2201       | F R                | Wind turbine       |
|      | 15487 | ÅNGE        | 622027.9N 0154251.5E | 722          | 2277       | F R                | Wind turbine       |
|      | 15488 | ÅNGE        | 622326.3N 0154654.7E | 722          | 2218       | FLG W              | Wind turbine       |
|      | 15489 | ÅNGE        | 622008.0N 0154225.8E | 722          | 2142       | F R                | Wind turbine       |
|      | 15490 | ÅNGE        | 622059.5N 0154429.0E | 722          | 2228       | F R                | Wind turbine       |
|      | 15491 | ÅNGE        | 622159.9N 0154456.1E | 722          | 2208       | FLG W              | Wind turbine       |
|      | 15527 | LJUSDAL     | 621624.0N 0155150.2E | 722          | 2316       | FLG W              | Wind turbine       |
|      | 15528 | LJUSDAL     | 621601.8N 0155123.6E | 722          | 2359       | FLG W              | Wind turbine       |
|      | 15529 | LJUSDAL     | 621555.2N 0155203.6E | 722          | 2379       | F R                | Wind turbine       |
|      | 15530 | LJUSDAL     | 621556.8N 0155241.0E | 722          | 2320       | F R                | Wind turbine       |
|      | 15531 | LJUSDAL     | 621557.4N 0155311.0E | 722          | 2316       | FLG W              | Wind turbine       |
|      | 15532 | LJUSDAL     | 621532.8N 0155123.6E | 722          | 2241       | F R                | Wind turbine       |
|      | 15533 | LJUSDAL     | 621527.5N 0155323.5E | 722          | 2277       | FLG W              | Wind turbine       |
|      | 15534 | LJUSDAL     | 621514.9N 0155127.0E | 722          | 2234       | FLG W              | Wind turbine       |
|      | 15535 | LJUSDAL     | 621516.2N 0155157.7E | 722          | 2254       | F R                | Wind turbine       |
|      | 15536 | LJUSDAL     | 621457.2N 0155240.9E | 722          | 2316       | FLG W              | Wind turbine       |
|      | 15537 | LJUSDAL     | 621501.1N 0155311.7E | 722          | 2303       | F R                | Wind turbine       |
|      | 15538 | LJUSDAL     | 621459.4N 0155209.9E | 722          | 2277       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |            |                      |                      |              |            |                    |                    |
|---|------------|----------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No         | Designation          | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 62N 16E   | 15886      | YTTERHOGDAL          | 621215.9N 0152203.1E | 482          | 1886       | FLG R              | Mast               |
|   | 15887      | YTTERHOGDAL          | 620830.2N 0151947.7E | 558          | 1949       | FLG W              | Mast               |
|   | 16226      | KÄLLMYRTJÄRNEN       | 624700.8N 0153123.2E | 354          | 2043       | unknown            | Mast               |
|   | 9284       | POPPBERGET           | 622100.7N 0161718.6E | 328          | 1932       | FLG R              | Mast               |
|   | 10855      | NYVALLSÅSEN          | 620601.7N 0165930.8E | 492          | 1551       | FLG R              | Wind turbine       |
|   | 10856      | NYVALLSÅSEN          | 620549.9N 0165934.1E | 492          | 1601       | FLG R              | Wind turbine       |
|   | 10862      | BRÄNNÅSEN            | 620254.5N 0165642.0E | 492          | 1494       | FLG R              | Wind turbine       |
|   | 10863      | BRÄNNÅSEN            | 620244.2N 0165652.9E | 492          | 1489       | FLG R              | Wind turbine       |
|   | 10864      | BRÄNNÅSEN            | 620251.9N 0165724.7E | 492          | 1464       | FLG R              | Wind turbine       |
|   | 10865      | BRÄNNÅSEN            | 620242.3N 0165741.0E | 492          | 1476       | FLG R              | Wind turbine       |
|   | 11981      | NÖTÅSEN              | 624108.8N 0163700.2E | 492          | 1637       | FLG R              | Wind turbine       |
|   | 11982      | NÖTÅSEN              | 624057.0N 0163720.8E | 492          | 1634       | FLG R              | Wind turbine       |
|   | 11983      | NÖTÅSEN              | 624047.4N 0163750.9E | 492          | 1601       | FLG R              | Wind turbine       |
|   | 11984      | NÖTÅSEN              | 624041.3N 0163658.1E | 492          | 1558       | FLG R              | Wind turbine       |
|   | 12446      | LIDEN                | 624646.1N 0165824.7E | 446          | 1785       | F R                | Mast               |
|   | 13006      | LIDEN                | 624226.7N 0165414.2E | 623          | 1893       | F R                | Wind turbine       |
|   | 13007      | LIDEN                | 624241.8N 0165426.1E | 623          | 1952       | F R                | Wind turbine       |
|   | 13008      | LIDEN                | 624236.0N 0165326.8E | 623          | 1844       | FLG W              | Wind turbine       |
|   | 13009      | LIDEN                | 624249.1N 0165352.4E | 623          | 1942       | F R                | Wind turbine       |
|   | 13010      | LIDEN                | 624258.8N 0165325.4E | 623          | 1854       | FLG W              | Wind turbine       |
|   | 13011      | LIDEN                | 624228.0N 0165538.5E | 623          | 1880       | F R                | Wind turbine       |
|   | 13012      | LIDEN                | 624240.5N 0165604.5E | 623          | 1886       | FLG W              | Wind turbine       |
|   | 13013      | LIDEN                | 624219.0N 0165510.7E | 623          | 1900       | F R                | Wind turbine       |
|   | 13014      | LIDEN                | 624203.9N 0165537.7E | 623          | 1909       | F R                | Wind turbine       |
|   | 13015      | LIDEN                | 624222.8N 0165639.3E | 623          | 1955       | F R                | Wind turbine       |
|   | 13016      | LIDEN                | 624229.4N 0165718.7E | 623          | 1969       | FLG W              | Wind turbine       |
|   | 13017      | LIDEN                | 624209.7N 0165700.2E | 623          | 1965       | F R                | Wind turbine       |
|   | 13018      | LIDEN                | 624203.9N 0165726.6E | 623          | 1900       | F R                | Wind turbine       |
|   | 13019      | LIDEN                | 624152.2N 0165625.8E | 623          | 1975       | F R                | Wind turbine       |
|   | 13020      | LIDEN                | 624140.0N 0165653.0E | 623          | 1969       | F R                | Wind turbine       |
|   | 13021      | LIDEN                | 624149.1N 0165724.6E | 623          | 1936       | FLG W              | Wind turbine       |
|   | 13022      | LIDEN                | 624141.5N 0165553.7E | 623          | 1896       | F R                | Wind turbine       |
|   | 13023      | LIDEN                | 624136.7N 0165504.7E | 623          | 1919       | FLG W              | Wind turbine       |
|   | 13024      | LIDEN                | 624118.5N 0165545.5E | 623          | 1926       | F R                | Wind turbine       |
|   | 13025      | LIDEN                | 624044.0N 0165612.0E | 623          | 1870       | FLG W              | Wind turbine       |
|   | 13026      | LIDEN                | 624108.2N 0165621.0E | 623          | 1916       | F R                | Wind turbine       |
|   | 13027      | LIDEN                | 624108.7N 0165719.1E | 623          | 1919       | F R                | Wind turbine       |
|   | 13028      | LIDEN                | 624121.5N 0165812.9E | 623          | 1955       | FLG W              | Wind turbine       |
|   | 13502      | JÄRKVISSLE           | 624610.1N 0163418.2E | 591          | 2018       | FLG W              | Wind turbine       |
|   | 13503      | JÄRKVISSLE           | 624320.0N 0162741.8E | 591          | 1893       | FLG W              | Wind turbine       |
|   | 13504      | JÄRKVISSLE           | 624344.4N 0162740.5E | 591          | 1949       | F R                | Wind turbine       |
|   | 13505      | JÄRKVISSLE           | 624420.1N 0162910.9E | 591          | 1936       | FLG W              | Wind turbine       |
|   | 13506      | JÄRKVISSLE           | 624412.0N 0162821.8E | 591          | 1975       | F R                | Wind turbine       |
|   | 13507      | JÄRKVISSLE           | 624431.9N 0162827.8E | 591          | 1936       | F R                | Wind turbine       |
|   | 13508      | JÄRKVISSLE           | 624424.4N 0162748.1E | 591          | 1972       | F R                | Wind turbine       |
|   | 13509      | JÄRKVISSLE           | 624440.3N 0162742.7E | 591          | 1936       | F R                | Wind turbine       |
|   | 13510      | JÄRKVISSLE           | 624448.0N 0162713.0E | 591          | 1949       | FLG W              | Wind turbine       |
|   | 13511      | JÄRKVISSLE           | 624432.1N 0163034.7E | 591          | 1942       | FLG W              | Wind turbine       |
|   | 13512      | JÄRKVISSLE           | 624439.3N 0163002.8E | 591          | 2024       | F R                | Wind turbine       |
|   | 13513      | JÄRKVISSLE           | 624451.9N 0162942.2E | 591          | 1975       | F R                | Wind turbine       |
|   | 13514      | JÄRKVISSLE           | 624507.8N 0162853.2E | 591          | 2021       | F R                | Wind turbine       |
|   | 13515      | JÄRKVISSLE           | 624527.0N 0162852.4E | 591          | 2021       | F R                | Wind turbine       |
|   | 13516      | JÄRKVISSLE           | 624500.6N 0163119.4E | 591          | 2033       | F R                | Wind turbine       |
|   | 13517      | JÄRKVISSLE           | 624505.7N 0163046.9E | 591          | 2024       | F R                | Wind turbine       |
|   | 13518      | JÄRKVISSLE           | 624515.2N 0163129.8E | 591          | 2008       | F R                | Wind turbine       |
| 13519   | JÄRKVISSLE | 624524.0N 0163058.3E | 591                  | 2073         | F R        | Wind turbine       |                    |
| 13520   | JÄRKVISSLE | 624525.5N 0163024.0E | 591                  | 2044         | F R        | Wind turbine       |                    |
| 13521   | JÄRKVISSLE | 624539.1N 0163010.6E | 591                  | 2060         | F R        | Wind turbine       |                    |
| 13522   | JÄRKVISSLE | 624532.6N 0162932.5E | 591                  | 2034         | F R        | Wind turbine       |                    |
| 13523   | JÄRKVISSLE | 624547.5N 0162929.1E | 591                  | 2073         | FLG W      | Wind turbine       |                    |
| 13524   | JÄRKVISSLE | 624530.8N 0163200.9E | 591                  | 2047         | F R        | Wind turbine       |                    |
| 13525   | JÄRKVISSLE | 624544.5N 0163115.9E | 591                  | 2110         | F R        | Wind turbine       |                    |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 13526 | JÄRKVISSLE  | 624600.0N 0163053.6E | 591          | 2103       | F R                | Wind turbine       |
|      | 13527 | JÄRKVISSLE  | 624702.0N 0163132.2E | 591          | 2057       | FLG W              | Wind turbine       |
|      | 13528 | JÄRKVISSLE  | 624716.8N 0163203.4E | 591          | 1991       | F R                | Wind turbine       |
|      | 13529 | JÄRKVISSLE  | 624732.6N 0163147.0E | 591          | 1978       | F R                | Wind turbine       |
|      | 13530 | JÄRKVISSLE  | 624753.4N 0163111.5E | 591          | 2011       | FLG W              | Wind turbine       |
|      | 13531 | JÄRKVISSLE  | 624738.5N 0163114.3E | 591          | 1988       | F R                | Wind turbine       |
|      | 13532 | JÄRKVISSLE  | 624533.8N 0163348.6E | 591          | 2005       | FLG W              | Wind turbine       |
|      | 13533 | JÄRKVISSLE  | 624549.2N 0163331.4E | 591          | 2064       | F R                | Wind turbine       |
|      | 13534 | JÄRKVISSLE  | 624606.7N 0163323.6E | 591          | 2087       | F R                | Wind turbine       |
|      | 13535 | JÄRKVISSLE  | 624634.6N 0163412.4E | 591          | 2054       | F R                | Wind turbine       |
|      | 13536 | JÄRKVISSLE  | 624643.5N 0163344.0E | 591          | 2067       | F R                | Wind turbine       |
|      | 13537 | JÄRKVISSLE  | 624634.2N 0163309.0E | 591          | 2064       | F R                | Wind turbine       |
|      | 13538 | JÄRKVISSLE  | 624654.0N 0163307.9E | 591          | 2123       | F R                | Wind turbine       |
|      | 13539 | JÄRKVISSLE  | 624706.3N 0163326.2E | 591          | 2067       | F R                | Wind turbine       |
|      | 13540 | JÄRKVISSLE  | 624702.8N 0163415.1E | 591          | 2018       | FLG W              | Wind turbine       |
|      | 13541 | JÄRKVISSLE  | 624730.3N 0163321.5E | 591          | 2070       | F R                | Wind turbine       |
|      | 13542 | JÄRKVISSLE  | 624734.9N 0163359.0E | 591          | 2024       | FLG W              | Wind turbine       |
|      | 13543 | JÄRKVISSLE  | 624518.1N 0163338.5E | 591          | 1962       | F R                | Wind turbine       |
|      | 13544 | JÄRKVISSLE  | 624502.6N 0163353.4E | 591          | 1949       | FLG W              | Wind turbine       |
|      | 13560 | NEDANSJÖ    | 623200.4N 0164843.1E | 591          | 1827       | FLG W              | Wind turbine       |
|      | 13561 | NEDANSJÖ    | 623218.7N 0164851.4E | 591          | 1841       | F R                | Wind turbine       |
|      | 13562 | NEDANSJÖ    | 623228.4N 0164819.1E | 591          | 1844       | FLG W              | Wind turbine       |
|      | 13563 | NEDANSJÖ    | 623245.1N 0164804.3E | 591          | 1821       | F R                | Wind turbine       |
|      | 13564 | NEDANSJÖ    | 623324.7N 0164824.7E | 591          | 1837       | F R                | Wind turbine       |
|      | 13565 | NEDANSJÖ    | 623327.7N 0164746.7E | 591          | 1877       | FLG W              | Wind turbine       |
|      | 13566 | NEDANSJÖ    | 623310.0N 0164752.7E | 591          | 1903       | F R                | Wind turbine       |
|      | 13567 | NEDANSJÖ    | 623337.5N 0165045.4E | 591          | 1768       | F R                | Wind turbine       |
|      | 13568 | NEDANSJÖ    | 623358.6N 0165056.3E | 591          | 1752       | FLG W              | Wind turbine       |
|      | 13569 | NEDANSJÖ    | 623324.3N 0165118.9E | 591          | 1837       | F R                | Wind turbine       |
|      | 13570 | NEDANSJÖ    | 623308.4N 0165139.6E | 591          | 1808       | F R                | Wind turbine       |
|      | 13571 | NEDANSJÖ    | 623252.0N 0165158.0E | 591          | 1716       | FLG W              | Wind turbine       |
|      | 13572 | NEDANSJÖ    | 623228.6N 0165302.3E | 591          | 1690       | F R                | Wind turbine       |
|      | 13573 | NEDANSJÖ    | 623234.1N 0165346.4E | 591          | 1703       | F R                | Wind turbine       |
|      | 13574 | NEDANSJÖ    | 623223.6N 0165420.8E | 591          | 1699       | FLG W              | Wind turbine       |
|      | 13575 | NEDANSJÖ    | 623204.0N 0165231.6E | 591          | 1762       | FLG W              | Wind turbine       |
|      | 13576 | NEDANSJÖ    | 623150.8N 0165302.7E | 591          | 1706       | F R                | Wind turbine       |
|      | 13577 | NEDANSJÖ    | 623131.3N 0165319.5E | 591          | 1683       | FLG W              | Wind turbine       |
|      | 15606 | KLEVBERGET  | 622725.0N 0160643.7E | 656          | 1873       | FLG W              | Wind turbine       |
|      | 15607 | KLEVBERGET  | 622657.2N 0160654.2E | 656          | 2113       | F R                | Wind turbine       |
|      | 15608 | KLEVBERGET  | 622610.4N 0160621.5E | 656          | 2024       | FLG W              | Wind turbine       |
|      | 15609 | KLEVBERGET  | 622547.2N 0160626.2E | 656          | 2008       | F R                | Wind turbine       |
|      | 15610 | KLEVBERGET  | 622622.6N 0160746.5E | 656          | 2110       | F R                | Wind turbine       |
|      | 15611 | KLEVBERGET  | 622604.4N 0160732.7E | 656          | 2083       | F R                | Wind turbine       |
|      | 15612 | KLEVBERGET  | 622649.1N 0160728.2E | 656          | 2110       | F R                | Wind turbine       |
|      | 15613 | KLEVBERGET  | 622707.9N 0160754.6E | 656          | 2192       | F R                | Wind turbine       |
|      | 15614 | KLEVBERGET  | 622647.0N 0160826.0E | 656          | 2028       | FLG W              | Wind turbine       |
|      | 15615 | KLEVBERGET  | 622707.6N 0160848.9E | 656          | 2083       | F R                | Wind turbine       |
|      | 15616 | KLEVBERGET  | 622656.0N 0160921.2E | 656          | 2001       | FLG W              | Wind turbine       |
|      | 15617 | KLEVBERGET  | 622605.5N 0160934.1E | 656          | 1978       | FLG W              | Wind turbine       |
|      | 15618 | KLEVBERGET  | 622623.0N 0161017.1E | 656          | 1883       | FLG W              | Wind turbine       |
|      | 15619 | KLEVBERGET  | 622544.2N 0160953.4E | 656          | 2011       | FLG W              | Wind turbine       |
|      | 15620 | KLEVBERGET  | 622556.2N 0160829.1E | 656          | 2080       | F R                | Wind turbine       |
|      | 15621 | KLEVBERGET  | 622530.9N 0160808.3E | 656          | 2070       | FLG W              | Wind turbine       |
|      | 15622 | KLEVBERGET  | 622511.7N 0160756.0E | 656          | 2126       | FLG W              | Wind turbine       |
|      | 15623 | KLEVBERGET  | 622505.8N 0160644.1E | 656          | 1991       | F R                | Wind turbine       |
|      | 15624 | KLEVBERGET  | 622448.5N 0160656.7E | 656          | 2031       | FLG W              | Wind turbine       |
|      | 15625 | KLEVBERGET  | 622450.6N 0160750.3E | 656          | 2057       | FLG W              | Wind turbine       |
|      | 15626 | KLEVBERGET  | 622406.9N 0160743.6E | 656          | 2005       | FLG W              | Wind turbine       |
|      | 15627 | KLEVBERGET  | 622339.0N 0160802.4E | 656          | 2008       | FLG W              | Wind turbine       |
|      | 15628 | KLEVBERGET  | 622333.1N 0160703.1E | 656          | 2034       | F R                | Wind turbine       |
|      | 15629 | KLEVBERGET  | 622311.6N 0160701.5E | 656          | 1978       | FLG W              | Wind turbine       |
|      | 15711 | TIMRÅ       | 624336.8N 0165943.8E | 656          | 1795       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |                 |                         |                      |              |            |                    |                    |
|---|-----------------|-------------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No              | Designation             | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 62N 17E   | 15712           | TIMRÅ                   | 624349.3N 0165837.9E | 656          | 1923       | FLG W              | Wind turbine       |
|   | 15713           | TIMRÅ                   | 624319.7N 0165930.9E | 656          | 1972       | F R                | Wind turbine       |
|   | 15714           | TIMRÅ                   | 624322.0N 0165823.5E | 656          | 1988       | FLG W              | Wind turbine       |
|   | 15716           | TIMRÅ                   | 624256.7N 0165928.3E | 656          | 1988       | FLG W              | Wind turbine       |
|   | 15730           | TIMRÅ                   | 624600.0N 0165938.2E | 656          | 1903       | FLG W              | Wind turbine       |
|   | 15731           | TIMRÅ                   | 624621.8N 0165854.4E | 656          | 1900       | F R                | Wind turbine       |
|   | 15732           | TIMRÅ                   | 624635.8N 0165809.6E | 656          | 1972       | FLG W              | Wind turbine       |
|   | 15733           | TIMRÅ                   | 624623.3N 0165941.5E | 682          | 1903       | F R                | Wind turbine       |
|   | 15735           | TIMRÅ                   | 624659.0N 0165958.2E | 682          | 1909       | F R                | Wind turbine       |
|   | 15736           | TIMRÅ                   | 624716.5N 0165912.9E | 656          | 1883       | FLG W              | Wind turbine       |
|   | 15737           | TIMRÅ                   | 624833.6N 0165958.4E | 656          | 1896       | FLG W              | Wind turbine       |
|   | 15746           | TIMRÅ                   | 624936.2N 0165944.8E | 682          | 1870       | FLG W              | Wind turbine       |
|   | 15747           | TIMRÅ                   | 624956.0N 0165939.2E | 682          | 1985       | F R                | Wind turbine       |
|   | 15748           | TIMRÅ                   | 625013.3N 0165940.4E | 682          | 2008       | F R                | Wind turbine       |
|   | 16222           | TORPS-VIKEN             | 622616.7N 0160722.5E | 335          | 1765       | unknown            | Mast               |
|   | 458             | SUNDSVALL/KLISSBERGET   | 622243.1N 0171209.3E | 348          | 1214       | F R                | Mast               |
|   | 460             | SUNDSVALL/S STADSBERGET | 622203.1N 0171903.6E | 722          | 1505       | F R/FLG W          | Mast               |
|   | 461             | HÄRNÖSAND/HÄRNÖN        | 623631.9N 0175742.2E | 354          | 886        | F R                | Mast               |
|   | 462             | KRAMFORS/LUGNVIK        | 625629.7N 0175656.9E | 466          | 1385       | F R                | Mast               |
|   | 468             | MATFORS                 | 621725.3N 0170204.4E | 338          | 782        | F R                | Mast               |
|   | 661             | SUNDSVALL/KORSTA        | 622412.7N 0172326.3E | 328          | 380        | F R                | Chimney            |
|   | 1340            | TIMRÅ/SODAHUSSKORSTEN   | 622827.3N 0171945.3E | 377          | 404        | -                  | Chimney            |
|   | 1607            | TIMRÅ/MEDSBRÄNNERIET    | 622824.5N 0171943.5E | 361          | 391        | F R                | Chimney            |
|   | 3351            | VEDA                    | 624737.3N 0175553.4E | 620          | 620        | F R/FLG W          | Tower              |
|   | 3352            | VEDA                    | 624808.6N 0175643.9E | 623          | 623        | F R/FLG W          | Tower              |
|   | 5095            | SUNDSVALL/TIMRÅ         | 622828.5N 0171952.4E | 364          | 394        | -                  | Chimney            |
|   | 9699            | UTANSJÖ                 | 624500.3N 0175226.0E | 410          | 1158       | FLG R              | Wind turbine       |
|   | 9700            | UTANSJÖ                 | 624451.7N 0175248.0E | 410          | 1223       | FLG R              | Wind turbine       |
|   | 9701            | UTANSJÖ                 | 624442.9N 0175306.0E | 410          | 1190       | FLG R              | Wind turbine       |
|   | 9702            | UTANSJÖ                 | 624504.6N 0175332.6E | 410          | 994        | FLG R              | Wind turbine       |
|   | 9703            | UTANSJÖ                 | 624446.3N 0175210.6E | 410          | 1106       | FLG R              | Wind turbine       |
|   | 10606           | VITBERGET               | 625858.5N 0172612.9E | 338          | 1749       | F R                | Mast               |
|   | 10650           | HÄRNÖSAND               | 623624.3N 0175841.1E | 492          | 932        | FLG R              | Wind turbine       |
|   | 10651           | HÄRNÖSAND               | 623618.8N 0175748.3E | 427          | 892        | FLG R              | Wind turbine       |
|   | 10874           | MÖRKÅSEN                | 620500.3N 0170206.7E | 492          | 1516       | FLG R              | Wind turbine       |
|   | 10875           | MÖRKÅSEN                | 620507.9N 0170233.6E | 492          | 1583       | FLG R              | Wind turbine       |
|   | 10876           | MÖRKÅSEN                | 620517.8N 0170258.7E | 492          | 1604       | FLG R              | Wind turbine       |
|   | 11857           | STORLIDBERGET           | 625739.2N 0171241.8E | 394          | 1653       | F R                | Mast               |
|   | 12594           | BJÄRTRÅ                 | 625925.1N 0175559.8E | 492          | 1339       | FLG R              | Wind turbine       |
|   | 12595           | BJÄRTRÅ                 | 625912.1N 0175547.4E | 492          | 1414       | FLG R              | Wind turbine       |
|   | 12596           | BJÄRTRÅ                 | 625901.5N 0175536.6E | 492          | 1391       | FLG R              | Wind turbine       |
|   | 12597           | BJÄRTRÅ                 | 625850.0N 0175535.8E | 492          | 1440       | FLG R              | Wind turbine       |
|   | 12598           | BJÄRTRÅ                 | 625844.0N 0175615.6E | 492          | 1467       | FLG R              | Wind turbine       |
|   | 12599           | BJÄRTRÅ                 | 625854.4N 0175611.4E | 492          | 1430       | FLG R              | Wind turbine       |
|   | 12644           | FURUHULT                | 624611.1N 0174643.0E | 492          | 1396       | FLG R              | Wind turbine       |
|   | 12645           | FURUHULT                | 624614.2N 0174538.8E | 492          | 1476       | FLG R              | Wind turbine       |
|   | 12646           | FURUHULT                | 624613.2N 0174501.9E | 492          | 1457       | FLG R              | Wind turbine       |
| 12647   | FURUHULT        | 624629.3N 0174432.9E    | 492                  | 1434         | FLG R      | Wind turbine       |                    |
| 12648   | FURUHULT        | 624614.4N 0174414.8E    | 492                  | 1421         | FLG R      | Wind turbine       |                    |
| 13883   | HÄRNÖSAND       | 623521.9N 0175009.3E    | 591                  | 1214         | FLG W      | Wind turbine       |                    |
| 13884   | HÄRNÖSAND       | 623525.6N 0175046.6E    | 591                  | 1145         | FLG W      | Wind turbine       |                    |
| 14148   | VIKSJÖ/LUTMYRAN | 625139.4N 0172812.4E    | 410                  | 1717         | F R        | Mast               |                    |
| 14150   | LAXSJÖN         | 625303.3N 0171059.6E    | 476                  | 1626         | F R        | Mast               |                    |
| 14152   | LAXSJÖN         | 625328.4N 0171137.9E    | 476                  | 1632         | F R        | Mast               |                    |
| 14241   | VIKSJÖ/EKSJÖN   | 624615.0N 0171736.0E    | 476                  | 1578         | F R        | Mast               |                    |
| 14331   | VIKSJÖ/EKSJÖN   | 624605.1N 0171748.7E    | 722                  | 1804         | FLG W      | Wind turbine       |                    |
| 14332   | VIKSJÖ/EKSJÖN   | 624615.8N 0171826.3E    | 722                  | 1824         | F R        | Wind turbine       |                    |
| 14333   | VIKSJÖ/EKSJÖN   | 624628.3N 0171901.2E    | 722                  | 1903         | F R        | Wind turbine       |                    |
| 14334   | VIKSJÖ/EKSJÖN   | 624636.1N 0171956.6E    | 722                  | 1821         | FLG W      | Wind turbine       |                    |
| 14335   | VIKSJÖ/EKSJÖN   | 624640.5N 0171752.0E    | 722                  | 1952         | FLG W      | Wind turbine       |                    |
| 14336   | VIKSJÖ/EKSJÖN   | 624650.2N 0171845.0E    | 722                  | 1965         | F R        | Wind turbine       |                    |
| 14337   | VIKSJÖ/EKSJÖN   | 624657.8N 0171934.2E    | 722                  | 1919         | F R        | Wind turbine       |                    |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation   | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|---------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 14338 | VIKSJÖ/EKSJÖN | 624700.6N 0172032.4E | 722          | 1841       | F R                | Wind turbine       |
|      | 14339 | VIKSJÖ/EKSJÖN | 624711.8N 0171841.6E | 722          | 1864       | F R                | Wind turbine       |
|      | 14340 | VIKSJÖ/EKSJÖN | 624721.1N 0172049.4E | 722          | 1906       | FLG W              | Wind turbine       |
|      | 14341 | VIKSJÖ/EKSJÖN | 624725.2N 0171954.5E | 722          | 1995       | F R                | Wind turbine       |
|      | 14342 | VIKSJÖ/EKSJÖN | 624730.6N 0171900.4E | 722          | 1752       | F R                | Wind turbine       |
|      | 14343 | LAXSJÖN       | 624826.1N 0171609.5E | 722          | 1909       | FLG W              | Wind turbine       |
|      | 14344 | LAXSJÖN       | 624839.6N 0171657.3E | 722          | 1870       | F R                | Wind turbine       |
|      | 14345 | LAXSJÖN       | 624847.2N 0171603.7E | 722          | 2001       | F R                | Wind turbine       |
|      | 14346 | LAXSJÖN       | 624854.0N 0171726.1E | 722          | 1860       | F R                | Wind turbine       |
|      | 14347 | LAXSJÖN       | 624901.1N 0171514.3E | 722          | 2001       | F R                | Wind turbine       |
|      | 14348 | LAXSJÖN       | 624902.2N 0171623.0E | 656          | 1969       | F R                | Wind turbine       |
|      | 14349 | LAXSJÖN       | 624901.0N 0171824.2E | 722          | 1972       | FLG W              | Wind turbine       |
|      | 14350 | LAXSJÖN       | 624909.5N 0171305.5E | 722          | 2001       | FLG W              | Wind turbine       |
|      | 14351 | LAXSJÖN       | 624916.8N 0171135.1E | 722          | 1791       | FLG W              | Wind turbine       |
|      | 14352 | LAXSJÖN       | 624912.4N 0171701.1E | 722          | 2005       | F R                | Wind turbine       |
|      | 14353 | LAXSJÖN       | 624924.0N 0171211.8E | 722          | 2005       | F R                | Wind turbine       |
|      | 14354 | LAXSJÖN       | 624923.7N 0171334.8E | 722          | 2001       | F R                | Wind turbine       |
|      | 14355 | LAXSJÖN       | 624922.4N 0171512.9E | 656          | 1995       | F R                | Wind turbine       |
|      | 14356 | LAXSJÖN       | 624923.4N 0171608.4E | 656          | 2001       | F R                | Wind turbine       |
|      | 14357 | LAXSJÖN       | 624924.4N 0171757.1E | 656          | 1995       | F R                | Wind turbine       |
|      | 14358 | LAXSJÖN       | 624928.4N 0171845.9E | 722          | 1906       | FLG W              | Wind turbine       |
|      | 14359 | LAXSJÖN       | 624935.5N 0171248.2E | 610          | 1988       | F R                | Wind turbine       |
|      | 14360 | LAXSJÖN       | 624943.5N 0171137.5E | 722          | 2001       | F R                | Wind turbine       |
|      | 14361 | LAXSJÖN       | 624943.4N 0171339.4E | 722          | 2005       | F R                | Wind turbine       |
|      | 14362 | LAXSJÖN       | 624942.8N 0171618.4E | 656          | 2001       | F R                | Wind turbine       |
|      | 14363 | LAXSJÖN       | 624949.6N 0171425.8E | 722          | 1988       | F R                | Wind turbine       |
|      | 14364 | LAXSJÖN       | 624954.2N 0171242.8E | 610          | 1991       | F R                | Wind turbine       |
|      | 14365 | LAXSJÖN       | 624950.9N 0171737.6E | 656          | 2005       | F R                | Wind turbine       |
|      | 14366 | LAXSJÖN       | 625005.1N 0171154.0E | 722          | 2001       | FLG W              | Wind turbine       |
|      | 14367 | LAXSJÖN       | 625004.4N 0171337.0E | 722          | 2001       | F R                | Wind turbine       |
|      | 14368 | LAXSJÖN       | 625004.1N 0171556.3E | 656          | 2005       | F R                | Wind turbine       |
|      | 14369 | LAXSJÖN       | 625008.5N 0171640.8E | 656          | 1988       | F R                | Wind turbine       |
|      | 14370 | LAXSJÖN       | 625022.4N 0171352.5E | 722          | 1998       | F R                | Wind turbine       |
|      | 14371 | LAXSJÖN       | 625024.2N 0171259.8E | 610          | 1926       | F R                | Wind turbine       |
|      | 14372 | LAXSJÖN       | 625023.1N 0171450.4E | 722          | 1959       | FLG W              | Wind turbine       |
|      | 14373 | LAXSJÖN       | 625026.7N 0171205.0E | 656          | 2001       | F R                | Wind turbine       |
|      | 14374 | LAXSJÖN       | 625045.6N 0171313.3E | 656          | 2005       | F R                | Wind turbine       |
|      | 14375 | LAXSJÖN       | 625047.4N 0171214.2E | 722          | 2001       | F R                | Wind turbine       |
|      | 14376 | LAXSJÖN       | 625100.2N 0171341.7E | 656          | 2001       | F R                | Wind turbine       |
|      | 14377 | LAXSJÖN       | 625058.4N 0171546.3E | 656          | 2001       | F R                | Wind turbine       |
|      | 14378 | LAXSJÖN       | 625108.6N 0171211.2E | 656          | 2001       | F R                | Wind turbine       |
|      | 14379 | LAXSJÖN       | 625107.0N 0171641.5E | 656          | 1998       | FLG W              | Wind turbine       |
|      | 14380 | LAXSJÖN       | 625114.9N 0171300.3E | 610          | 2008       | F R                | Wind turbine       |
|      | 14381 | LAXSJÖN       | 625120.4N 0171344.3E | 656          | 1998       | F R                | Wind turbine       |
|      | 14382 | LAXSJÖN       | 625122.3N 0171542.1E | 656          | 2001       | F R                | Wind turbine       |
|      | 14383 | LAXSJÖN       | 625130.6N 0171149.9E | 656          | 2008       | F R                | Wind turbine       |
|      | 14384 | LAXSJÖN       | 625132.2N 0171232.3E | 610          | 1972       | F R                | Wind turbine       |
|      | 14385 | LAXSJÖN       | 625131.6N 0171622.4E | 656          | 2005       | F R                | Wind turbine       |
|      | 14386 | LAXSJÖN       | 625138.6N 0171356.1E | 722          | 1998       | F R                | Wind turbine       |
|      | 14387 | LAXSJÖN       | 625144.4N 0171300.7E | 656          | 2001       | F R                | Wind turbine       |
|      | 14388 | LAXSJÖN       | 625146.7N 0171520.7E | 722          | 1995       | F R                | Wind turbine       |
|      | 14389 | LAXSJÖN       | 625149.8N 0171206.4E | 656          | 1998       | F R                | Wind turbine       |
|      | 14390 | LAXSJÖN       | 625152.1N 0171113.9E | 722          | 2005       | FLG W              | Wind turbine       |
|      | 14391 | LAXSJÖN       | 625147.8N 0171645.1E | 722          | 1841       | FLG W              | Wind turbine       |
|      | 14392 | LAXSJÖN       | 625204.1N 0171350.7E | 722          | 1919       | F R                | Wind turbine       |
|      | 14393 | LAXSJÖN       | 625211.7N 0171237.0E | 722          | 2001       | F R                | Wind turbine       |
|      | 14394 | LAXSJÖN       | 625220.1N 0171123.6E | 722          | 1952       | F R                | Wind turbine       |
|      | 14395 | LAXSJÖN       | 625223.0N 0171314.9E | 656          | 1969       | F R                | Wind turbine       |
|      | 14396 | LAXSJÖN       | 625223.6N 0171409.5E | 722          | 1939       | FLG W              | Wind turbine       |
|      | 14397 | LAXSJÖN       | 625234.3N 0171149.9E | 722          | 1886       | F R                | Wind turbine       |
|      | 14398 | LAXSJÖN       | 625240.5N 0171231.9E | 722          | 2001       | F R                | Wind turbine       |
|      | 14399 | LAXSJÖN       | 625242.6N 0171320.8E | 722          | 1982       | F R                | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                 |                      |              |            |                    |                    |
|---|-------|-----------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation     | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14400 | LAXSJÖN         | 625253.1N 0171112.5E | 722          | 1893       | FLG W              | Wind turbine       |
|   | 14401 | LAXSJÖN         | 625259.7N 0171158.5E | 722          | 1939       | F R                | Wind turbine       |
|   | 14402 | LAXSJÖN         | 625311.2N 0171309.6E | 722          | 1864       | FLG W              | Wind turbine       |
|   | 14403 | LAXSJÖN         | 625320.6N 0171157.4E | 722          | 1873       | FLG W              | Wind turbine       |
|   | 14689 | BJÖRNLANDHÖJDEN | 624858.8N 0173017.1E | 720          | 1763       | F R                | Wind turbine       |
|   | 14690 | BJÖRNLANDHÖJDEN | 624920.5N 0173040.7E | 720          | 1767       | F R                | Wind turbine       |
|   | 14710 | BJÖRNLANDHÖJDEN | 624928.2N 0172936.1E | 720          | 1996       | F R                | Wind turbine       |
|   | 14711 | BJÖRNLANDHÖJDEN | 624940.4N 0173009.7E | 720          | 1872       | F R                | Wind turbine       |
|   | 14712 | BJÖRNLANDHÖJDEN | 624958.8N 0173206.3E | 720          | 1727       | F R                | Wind turbine       |
|   | 14713 | BJÖRNLANDHÖJDEN | 625002.2N 0172907.2E | 720          | 1993       | F R                | Wind turbine       |
|   | 14714 | BJÖRNLANDHÖJDEN | 624958.2N 0173336.6E | 720          | 1770       | F R                | Wind turbine       |
|   | 14715 | BJÖRNLANDHÖJDEN | 625007.9N 0172948.0E | 720          | 1911       | F R                | Wind turbine       |
|   | 14716 | BJÖRNLANDHÖJDEN | 625011.7N 0172812.1E | 720          | 1865       | F R                | Wind turbine       |
|   | 14717 | BJÖRNLANDHÖJDEN | 625009.0N 0173243.2E | 720          | 1901       | F R                | Wind turbine       |
|   | 14718 | BJÖRNLANDHÖJDEN | 625011.9N 0173548.4E | 720          | 1675       | F R                | Wind turbine       |
|   | 14719 | BJÖRNLANDHÖJDEN | 625011.1N 0173113.9E | 720          | 1882       | F R                | Wind turbine       |
|   | 14720 | BJÖRNLANDHÖJDEN | 625012.4N 0173032.9E | 655          | 1845       | F R                | Wind turbine       |
|   | 14721 | BJÖRNLANDHÖJDEN | 625021.2N 0172858.0E | 720          | 1996       | F R                | Wind turbine       |
|   | 14722 | BJÖRNLANDHÖJDEN | 625017.6N 0173405.2E | 720          | 1790       | F R                | Wind turbine       |
|   | 14723 | BJÖRNLANDHÖJDEN | 625013.1N 0173458.3E | 720          | 1695       | F R                | Wind turbine       |
|   | 14724 | BJÖRNLANDHÖJDEN | 625028.1N 0172953.4E | 720          | 1983       | F R                | Wind turbine       |
|   | 14725 | BJÖRNLANDHÖJDEN | 625034.0N 0172740.7E | 720          | 1868       | F R                | Wind turbine       |
|   | 14726 | BJÖRNLANDHÖJDEN | 625033.3N 0173034.8E | 720          | 2000       | F R                | Wind turbine       |
|   | 14727 | BJÖRNLANDHÖJDEN | 625031.3N 0173242.5E | 720          | 1964       | F R                | Wind turbine       |
|   | 14728 | BJÖRNLANDHÖJDEN | 625038.8N 0172910.2E | 655          | 1990       | F R                | Wind turbine       |
|   | 14729 | BJÖRNLANDHÖJDEN | 625037.5N 0173144.1E | 720          | 1882       | F R                | Wind turbine       |
|   | 14730 | BJÖRNLANDHÖJDEN | 625037.2N 0173339.2E | 720          | 1806       | F R                | Wind turbine       |
|   | 14731 | BJÖRNLANDHÖJDEN | 625036.2N 0173438.4E | 720          | 1678       | F R                | Wind turbine       |
|   | 14732 | BJÖRNLANDHÖJDEN | 625042.8N 0172817.6E | 720          | 1980       | F R                | Wind turbine       |
|   | 14733 | BJÖRNLANDHÖJDEN | 625044.3N 0172943.0E | 655          | 1990       | F R                | Wind turbine       |
|   | 14734 | BJÖRNLANDHÖJDEN | 625050.6N 0173250.0E | 720          | 1967       | F R                | Wind turbine       |
|   | 14735 | BJÖRNLANDHÖJDEN | 625055.2N 0173026.8E | 655          | 1914       | F R                | Wind turbine       |
|   | 14736 | BJÖRNLANDHÖJDEN | 625055.2N 0173331.4E | 720          | 1740       | F R                | Wind turbine       |
|   | 14737 | BJÖRNLANDHÖJDEN | 625058.0N 0173133.5E | 720          | 1931       | F R                | Wind turbine       |
|   | 14738 | BJÖRNLANDHÖJDEN | 625103.1N 0172809.0E | 720          | 1993       | F R                | Wind turbine       |
|   | 14739 | BJÖRNLANDHÖJDEN | 625113.1N 0172903.4E | 609          | 2003       | F R                | Wind turbine       |
|   | 14740 | BJÖRNLANDHÖJDEN | 625110.4N 0173240.2E | 720          | 1780       | F R                | Wind turbine       |
|   | 14741 | BJÖRNLANDHÖJDEN | 625115.4N 0172942.4E | 655          | 1990       | F R                | Wind turbine       |
|   | 14742 | BJÖRNLANDHÖJDEN | 625119.3N 0173032.6E | 720          | 1914       | F R                | Wind turbine       |
|   | 14743 | BJÖRNLANDHÖJDEN | 625119.3N 0173135.2E | 720          | 1895       | F R                | Wind turbine       |
|   | 14744 | BJÖRNLANDHÖJDEN | 625127.7N 0172813.8E | 655          | 1957       | F R                | Wind turbine       |
|   | 14745 | BJÖRNLANDHÖJDEN | 625135.0N 0172941.6E | 655          | 1996       | F R                | Wind turbine       |
|   | 14746 | BJÖRNLANDHÖJDEN | 625138.9N 0173218.0E | 720          | 1819       | F R                | Wind turbine       |
|   | 14747 | BJÖRNLANDHÖJDEN | 625144.1N 0173045.9E | 720          | 1996       | F R                | Wind turbine       |
|   | 14748 | BJÖRNLANDHÖJDEN | 625151.2N 0173126.2E | 720          | 1921       | F R                | Wind turbine       |
|   | 15715 | TIMRÅ           | 624308.7N 0170028.4E | 656          | 1985       | FLG W              | Wind turbine       |
|   | 15717 | TIMRÅ           | 624457.4N 0170130.2E | 656          | 1713       | FLG W              | Wind turbine       |
|   | 15718 | TIMRÅ           | 624447.6N 0170245.7E | 656          | 1814       | F R                | Wind turbine       |
|   | 15719 | TIMRÅ           | 624504.6N 0170248.3E | 656          | 1923       | F R                | Wind turbine       |
|   | 15720 | TIMRÅ           | 624419.8N 0170417.8E | 656          | 1785       | FLG W              | Wind turbine       |
|   | 15721 | TIMRÅ           | 624340.7N 0170516.7E | 656          | 1893       | FLG W              | Wind turbine       |
|   | 15722 | TIMRÅ           | 624456.0N 0170352.5E | 656          | 1870       | F R                | Wind turbine       |
|   | 15723 | TIMRÅ           | 624507.4N 0170622.5E | 682          | 1906       | FLG W              | Wind turbine       |
|   | 15724 | TIMRÅ           | 624500.2N 0170527.9E | 682          | 1903       | F R                | Wind turbine       |
|   | 15725 | TIMRÅ           | 624444.5N 0170601.6E | 682          | 1896       | FLG W              | Wind turbine       |
|   | 15726 | TIMRÅ           | 624531.2N 0170502.6E | 682          | 1877       | FLG W              | Wind turbine       |
|   | 15727 | TIMRÅ           | 624554.6N 0170345.5E | 682          | 1880       | FLG W              | Wind turbine       |
|   | 15728 | TIMRÅ           | 624547.2N 0170308.4E | 682          | 1955       | F R                | Wind turbine       |
|   | 15729 | TIMRÅ           | 624529.5N 0170344.7E | 682          | 1955       | F R                | Wind turbine       |
|   | 15734 | TIMRÅ           | 624636.4N 0170006.6E | 682          | 1860       | F R                | Wind turbine       |
|   | 15738 | TIMRÅ           | 624805.6N 0170018.5E | 656          | 1896       | F R                | Wind turbine       |
|   | 15739 | TIMRÅ           | 624740.0N 0170024.7E | 682          | 1857       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation         | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|---------------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 15740 | TIMRÅ               | 624713.2N 0170104.0E     | 682          | 1827       | F R                | Wind turbine       |
|         | 15741 | TIMRÅ               | 624650.7N 0170135.7E     | 682          | 1854       | F R                | Wind turbine       |
|         | 15742 | TIMRÅ               | 624803.7N 0170239.0E     | 656          | 1909       | FLG W              | Wind turbine       |
|         | 15743 | TIMRÅ               | 624739.6N 0170344.4E     | 656          | 1969       | FLG W              | Wind turbine       |
|         | 15744 | TIMRÅ               | 625004.0N 0170138.2E     | 656          | 1985       | FLG W              | Wind turbine       |
|         | 15745 | TIMRÅ               | 625020.0N 0170154.8E     | 656          | 1919       | FLG W              | Wind turbine       |
|         | 15749 | TIMRÅ               | 625029.0N 0170000.8E     | 682          | 1972       | FLG W              | Wind turbine       |
|         | 15750 | TIMRÅ               | 624953.5N 0170036.2E     | 682          | 1988       | F R                | Wind turbine       |
|         | 15751 | TIMRÅ               | 625012.2N 0170045.6E     | 682          | 2103       | F R                | Wind turbine       |
|         | 15752 | TIMRÅ               | 625029.5N 0170056.4E     | 682          | 2005       | F R                | Wind turbine       |
|         | 16792 | SKÖNVIK             | 622827.8N 0171951.6E     | 328          | 358        | unknown            | Chimney            |
| 62N 18E | 469   | MJÄLLOM             | 625908.5N 0182334.4E     | 348          | 1255       | F R                | Mast               |
|         | 901   | RINGKALLEN          | 625300.6N 0181907.6E     | 344          | 1227       | F R                | Mast               |
|         | 10572 | HEMSÖN              | 624351.6N 0180251.7E     | 328          | 1033       | F R                | Mast               |
| 63N 13E | 11174 | STORBACKEN          | 634505.8N 0133511.8E     | 410          | 2713       | FLG R              | Wind turbine       |
|         | 11175 | STORBACKEN          | 634510.3N 0133529.6E     | 410          | 2680       | FLG R              | Wind turbine       |
|         | 11176 | STORBACKEN          | 634521.7N 0133548.0E     | 410          | 2602       | FLG R              | Wind turbine       |
|         | 11177 | STORBACKEN          | 634520.5N 0133507.3E     | 410          | 2677       | FLG R              | Wind turbine       |
|         | 11178 | STORBACKEN          | 634534.3N 0133450.4E     | 410          | 2621       | FLG R              | Wind turbine       |
|         | 11179 | STORBACKEN          | 634545.6N 0133425.8E     | 410          | 2697       | FLG R              | Wind turbine       |
|         | 11180 | STORBACKEN          | 634552.0N 0133446.1E     | 410          | 2795       | FLG R              | Wind turbine       |
|         | 11181 | STORBACKEN          | 634553.1N 0133510.9E     | 410          | 2900       | FLG R              | Wind turbine       |
|         | 11182 | STORBACKEN          | 634540.6N 0133510.8E     | 410          | 2782       | FLG R              | Wind turbine       |
|         | 11183 | STORBACKEN          | 634544.2N 0133540.7E     | 410          | 2730       | FLG R              | Wind turbine       |
|         | 11184 | STORBACKEN          | 634551.8N 0133558.5E     | 410          | 2746       | FLG R              | Wind turbine       |
|         | 11185 | STORBACKEN          | 634559.1N 0133608.6E     | 410          | 2726       | FLG R              | Wind turbine       |
| 63N 14E | 480   | ÖSTERSUND/BRATTÅSEN | 630642.5N 0143600.0E     | 1083         | 2577       | F R/FLG W          | Mast               |
|         | 6982  | RÅSHÖN              | 632913.9N 0140642.9E (*) | 394          | 2369       | F R                | Wind turbine       |
|         | 6983  | RÅSHÖN              | 632920.2N 0140653.2E (*) | 394          | 2480       | F R                | Wind turbine       |
|         | 6984  | RÅSHÖN              | 632926.0N 0140704.5E (*) | 394          | 2441       | F R                | Wind turbine       |
|         | 6985  | RÅSHÖN              | 632904.3N 0140728.6E (*) | 394          | 2425       | F R                | Wind turbine       |
|         | 6986  | RÅSHÖN              | 632911.1N 0140738.6E (*) | 394          | 2464       | F R                | Wind turbine       |
|         | 6987  | RÅSHÖN              | 632921.5N 0140747.7E (*) | 394          | 2418       | F R                | Wind turbine       |
|         | 6988  | RÅSHÖN              | 632928.4N 0140758.5E (*) | 394          | 2395       | F R                | Wind turbine       |
|         | 9590  | SVARTBODHÖN         | 632939.5N 0140834.4E (*) | 410          | 2444       | F R                | Wind turbine       |
|         | 9633  | MUNKFLOHÖGEN        | 633258.5N 0145717.8E (*) | 410          | 2090       | F R                | Mast               |
|         | 10512 | RAFTSJÖHÖJDEN       | 633534.8N 0145954.8E (*) | 492          | 2034       | FLG R              | Wind turbine       |
|         | 10513 | RAFTSJÖHÖJDEN       | 633548.9N 0145952.6E (*) | 492          | 2047       | FLG R              | Wind turbine       |
|         | 10514 | RAFTSJÖHÖJDEN       | 633526.4N 0145931.9E (*) | 492          | 2018       | FLG R              | Wind turbine       |
|         | 10515 | RAFTSJÖHÖJDEN       | 633541.0N 0145930.0E (*) | 492          | 2080       | FLG R              | Wind turbine       |
|         | 12570 | FÖLLINGE            | 633808.6N 0143014.3E (*) | 394          | 1893       | F R                | Mast               |
|         | 13301 | MUNKFLOHÖGEN        | 633253.1N 0145759.1E (*) | 591          | 2251       | FLG W              | Wind turbine       |
|         | 13302 | MUNKFLOHÖGEN        | 633251.0N 0145721.9E (*) | 591          | 2290       | F R                | Wind turbine       |
|         | 13303 | MUNKFLOHÖGEN        | 633242.7N 0145655.3E (*) | 591          | 2283       | F R                | Wind turbine       |
|         | 13304 | MUNKFLOHÖGEN        | 633229.6N 0145629.4E (*) | 591          | 2247       | F R                | Wind turbine       |
|         | 13305 | MUNKFLOHÖGEN        | 633244.7N 0145620.9E (*) | 591          | 2221       | FLG W              | Wind turbine       |
|         | 13306 | MUNKFLOHÖGEN        | 633223.6N 0145558.5E (*) | 591          | 2228       | FLG W              | Wind turbine       |
|         | 13307 | MUNKFLOHÖGEN        | 633213.9N 0145636.0E (*) | 591          | 2267       | F R                | Wind turbine       |
|         | 13308 | MUNKFLOHÖGEN        | 633219.3N 0145713.1E (*) | 591          | 2320       | F R                | Wind turbine       |
|         | 13309 | MUNKFLOHÖGEN        | 633204.7N 0145746.1E (*) | 591          | 2359       | F R                | Wind turbine       |
|         | 13310 | MUNKFLOHÖGEN        | 633152.6N 0145820.9E (*) | 591          | 2349       | F R                | Wind turbine       |
|         | 13311 | MUNKFLOHÖGEN        | 633138.4N 0145810.7E (*) | 591          | 2359       | FLG W              | Wind turbine       |
|         | 13312 | MUNKFLOHÖGEN        | 633153.7N 0145903.7E (*) | 591          | 2283       | F R                | Wind turbine       |
|         | 13313 | MUNKFLOHÖGEN        | 633210.2N 0145845.4E (*) | 591          | 2306       | F R                | Wind turbine       |
|         | 13314 | MUNKFLOHÖGEN        | 633225.8N 0145912.2E (*) | 591          | 2270       | F R                | Wind turbine       |
|         | 13315 | MUNKFLOHÖGEN        | 633208.6N 0145942.6E (*) | 591          | 2290       | FLG W              | Wind turbine       |
|         | 13317 | MUNKFLOHÖGEN        | 633218.6N 0145801.4E (*) | 591          | 2326       | F R                | Wind turbine       |
|         | 13318 | MUNKFLOHÖGEN        | 633236.7N 0145744.6E (*) | 591          | 2300       | F R                | Wind turbine       |
|         | 13319 | MUNKFLOHÖGEN        | 633235.4N 0145832.8E (*) | 591          | 2287       | F R                | Wind turbine       |
|         | 13320 | MUNKFLOHÖGEN        | 633249.2N 0145853.9E (*) | 591          | 2241       | F R                | Wind turbine       |
|         | 13321 | MUNKFLOHÖGEN        | 633257.8N 0145930.7E (*) | 591          | 2182       | FLG W              | Wind turbine       |
|         | 13322 | MUNKFLOHÖGEN        | 633243.5N 0145949.2E (*) | 591          | 2224       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |              |                          |                          |              |            |                    |                    |
|---|--------------|--------------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No           | Designation              | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
| 63N 15E   | 14822        | RAFTSJÖHÖJDEN            | 633739.9N 0145959.5E     | 722          | 2283       | FLG W              | Wind turbine       |
|   | 14823        | RAFTSJÖHÖJDEN            | 633724.4N 0145939.2E     | 722          | 2313       | FLG W              | Wind turbine       |
|   | 484          | STRÖMSUND                | 635151.6N 0153634.5E     | 653          | 1966       | F R/FLG W          | Mast               |
|   | 737          | STUGUN                   | 631030.8N 0153511.3E     | 338          | 1600       | F R                | Mast               |
|   | 8343         | RAFTSHÖJDEN              | 633624.2N 0150203.0E (*) | 328          | 2106       | F R                | Wind turbine       |
|   | 9552         | BRÄNNKULLEN              | 632915.3N 0155833.1E (*) | 328          | 2001       | F R                | Mast               |
|   | 9596         | STORHÖGEN                | 632255.5N 0150818.7E (*) | 328          | 1969       | F R                | Mast               |
|   | 10296        | RAFTSJÖHÖJDEN            | 633638.1N 0150215.3E (*) | 456          | 2146       | FLG R              | Wind turbine       |
|   | 10297        | RAFTSJÖHÖJDEN            | 633631.5N 0150244.6E (*) | 456          | 2198       | FLG R              | Wind turbine       |
|   | 10298        | RAFTSJÖHÖJDEN            | 633651.9N 0150229.7E (*) | 456          | 2106       | FLG R              | Wind turbine       |
|   | 10299        | RAFTSJÖHÖJDEN            | 633650.4N 0150305.7E (*) | 456          | 2113       | FLG R              | Wind turbine       |
|   | 10300        | RAFTSJÖHÖJDEN            | 633644.9N 0150405.7E (*) | 456          | 2113       | FLG R              | Wind turbine       |
|   | 10301        | RAFTSJÖHÖJDEN            | 633646.8N 0150438.9E (*) | 456          | 2113       | FLG R              | Wind turbine       |
|   | 10302        | NYBODARNA                | 632749.8N 0150858.7E (*) | 328          | 1870       | F R                | Mast               |
|   | 10303        | FYRINGSKÄLEN             | 633151.7N 0150611.5E (*) | 328          | 2057       | F R                | Mast               |
|   | 10993        | STAMÅSEN                 | 634042.1N 0154821.1E (*) | 564          | 1837       | FLG W              | Wind turbine       |
|   | 10994        | STAMÅSEN                 | 634037.8N 0154749.4E (*) | 564          | 1818       | F R                | Wind turbine       |
|   | 10995        | STAMÅSEN                 | 634025.2N 0154745.4E (*) | 564          | 1834       | F R                | Wind turbine       |
|   | 10996        | STAMÅSEN                 | 634017.5N 0154717.4E (*) | 564          | 1916       | F R                | Wind turbine       |
|   | 10997        | STAMÅSEN                 | 634013.0N 0154644.9E (*) | 564          | 1824       | FLG W              | Wind turbine       |
|   | 10998        | STAMÅSEN                 | 633952.9N 0154755.6E (*) | 564          | 1959       | F R                | Wind turbine       |
|   | 10999        | STAMÅSEN                 | 633940.3N 0154806.1E (*) | 564          | 1998       | F R                | Wind turbine       |
|   | 11000        | STAMÅSEN                 | 633930.1N 0154744.0E (*) | 564          | 1952       | FLG W              | Wind turbine       |
|   | 11001        | STAMÅSEN                 | 634003.8N 0154905.6E (*) | 564          | 1886       | FLG W              | Wind turbine       |
|   | 11002        | STAMÅSEN                 | 633946.9N 0154838.1E (*) | 564          | 1949       | F R                | Wind turbine       |
|   | 11003        | STAMÅSEN                 | 633931.3N 0154843.2E (*) | 564          | 2014       | F R                | Wind turbine       |
|   | 11004        | STAMÅSEN                 | 633920.0N 0154834.5E (*) | 564          | 1972       | F R                | Wind turbine       |
|   | 11005        | STAMÅSEN                 | 633944.2N 0154946.1E (*) | 564          | 1906       | F R                | Wind turbine       |
|   | 11006        | STAMÅSEN                 | 633921.8N 0154912.5E (*) | 564          | 2018       | F R                | Wind turbine       |
|   | 11007        | STAMÅSEN                 | 633907.8N 0154910.4E (*) | 564          | 1988       | F R                | Wind turbine       |
|   | 11008        | STAMÅSEN                 | 633854.8N 0154859.8E (*) | 564          | 1909       | F R                | Wind turbine       |
|   | 11009        | STAMÅSEN                 | 633847.1N 0154840.0E (*) | 564          | 1959       | FLG W              | Wind turbine       |
|   | 11010        | STAMÅSEN                 | 633942.3N 0155030.4E (*) | 564          | 1909       | F R                | Wind turbine       |
|   | 11011        | STAMÅSEN                 | 633930.7N 0155011.1E (*) | 564          | 1939       | F R                | Wind turbine       |
|   | 11012        | STAMÅSEN                 | 633917.3N 0155045.3E (*) | 564          | 1949       | F R                | Wind turbine       |
|   | 11013        | STAMÅSEN                 | 633929.3N 0155134.4E (*) | 564          | 1883       | FLG W              | Wind turbine       |
|   | 11014        | STAMÅSEN                 | 633917.1N 0155127.6E (*) | 564          | 1913       | F R                | Wind turbine       |
|   | 11015        | STAMÅSEN                 | 633900.3N 0155109.9E (*) | 564          | 1978       | F R                | Wind turbine       |
|   | 11016        | STAMÅSEN                 | 633848.4N 0155104.5E (*) | 564          | 1982       | F R                | Wind turbine       |
|   | 11017        | STAMÅSEN                 | 633835.0N 0155119.3E (*) | 564          | 1913       | F R/FLG W          | Wind turbine       |
|   | 11569        | BODMYREN                 | 633125.4N 0155547.9E (*) | 367          | 1739       | F R                | Mast               |
|   | 11595        | FULLSJÖN                 | 633015.2N 0155620.4E (*) | 367          | 1854       | F R                | Mast               |
|   | 11717        | STAMÅSEN                 | 633837.4N 0155159.1E (*) | 568          | 1939       | F R/FLG W          | Wind turbine       |
|   | 11749        | ÖGONFÄGNADEN             | 633146.8N 0155808.8E (*) | 564          | 1991       | FLG W              | Wind turbine       |
|   | 11750        | ÖGONFÄGNADEN             | 633134.2N 0155829.2E (*) | 564          | 2054       | F R                | Wind turbine       |
|   | 11751        | ÖGONFÄGNADEN             | 633117.3N 0155907.3E (*) | 564          | 2080       | F R                | Wind turbine       |
|   | 11752        | ÖGONFÄGNADEN             | 633058.2N 0155919.8E (*) | 564          | 2110       | F R                | Wind turbine       |
| 11753   | ÖGONFÄGNADEN | 633050.2N 0155948.5E (*) | 564                      | 2090         | FLG W      | Wind turbine       |                    |
| 11754   | ÖGONFÄGNADEN | 633119.3N 0155810.1E (*) | 564                      | 2041         | F R        | Wind turbine       |                    |
| 11755   | ÖGONFÄGNADEN | 633047.8N 0155900.6E (*) | 564                      | 2146         | F R        | Wind turbine       |                    |
| 11756   | ÖGONFÄGNADEN | 633037.9N 0155917.8E (*) | 564                      | 2119         | F R        | Wind turbine       |                    |
| 11757   | ÖGONFÄGNADEN | 633151.9N 0155625.0E (*) | 564                      | 1955         | FLG W      | Wind turbine       |                    |
| 11758   | ÖGONFÄGNADEN | 633123.8N 0155708.2E (*) | 564                      | 2064         | F R        | Wind turbine       |                    |
| 11759   | ÖGONFÄGNADEN | 633057.0N 0155732.7E (*) | 564                      | 2201         | F R        | Wind turbine       |                    |
| 11760   | ÖGONFÄGNADEN | 633122.2N 0155606.8E (*) | 564                      | 2001         | FLG W      | Wind turbine       |                    |
| 11761   | ÖGONFÄGNADEN | 633114.3N 0155639.0E (*) | 564                      | 2093         | F R        | Wind turbine       |                    |
| 11762   | ÖGONFÄGNADEN | 633058.0N 0155659.0E (*) | 564                      | 2215         | F R        | Wind turbine       |                    |
| 11763   | ÖGONFÄGNADEN | 633045.2N 0155718.7E (*) | 564                      | 2231         | F R        | Wind turbine       |                    |
| 11764   | ÖGONFÄGNADEN | 633101.9N 0155626.4E (*) | 564                      | 2126         | F R        | Wind turbine       |                    |
| 11765   | ÖGONFÄGNADEN | 633046.5N 0155643.5E (*) | 564                      | 2169         | F R        | Wind turbine       |                    |
| 11766   | ÖGONFÄGNADEN | 633029.2N 0155805.2E (*) | 564                      | 2234         | F R        | Wind turbine       |                    |
| 11767   | ÖGONFÄGNADEN | 633033.7N 0155845.3E (*) | 564                      | 2113         | F R        | Wind turbine       |                    |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation  | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|--------------|--------------------------|--------------|------------|--------------------|--------------------|
|      | 11768 | ÖGONFÄGNADEN | 633030.0N 0155731.7E (*) | 564          | 2267       | F R                | Wind turbine       |
|      | 11769 | ÖGONFÄGNADEN | 633030.2N 0155653.5E (*) | 564          | 2149       | F R                | Wind turbine       |
|      | 11770 | ÖGONFÄGNADEN | 633012.1N 0155639.5E (*) | 564          | 2116       | F R                | Wind turbine       |
|      | 11771 | ÖGONFÄGNADEN | 632958.9N 0155658.6E (*) | 564          | 2149       | F R                | Wind turbine       |
|      | 11772 | ÖGONFÄGNADEN | 632959.4N 0155736.2E (*) | 564          | 2136       | F R                | Wind turbine       |
|      | 11773 | ÖGONFÄGNADEN | 633001.3N 0155620.0E (*) | 564          | 2077       | FLG W              | Wind turbine       |
|      | 11774 | ÖGONFÄGNADEN | 632944.7N 0155707.9E (*) | 564          | 2116       | F R                | Wind turbine       |
|      | 11775 | ÖGONFÄGNADEN | 632935.6N 0155828.3E (*) | 564          | 2218       | F R                | Wind turbine       |
|      | 11776 | ÖGONFÄGNADEN | 632932.6N 0155906.3E (*) | 564          | 2133       | F R                | Wind turbine       |
|      | 11777 | ÖGONFÄGNADEN | 632927.6N 0155938.2E (*) | 564          | 2119       | FLG W              | Wind turbine       |
|      | 11778 | ÖGONFÄGNADEN | 632929.5N 0155752.6E (*) | 564          | 2218       | F R                | Wind turbine       |
|      | 11779 | ÖGONFÄGNADEN | 632923.7N 0155836.9E (*) | 564          | 2277       | F R                | Wind turbine       |
|      | 11780 | ÖGONFÄGNADEN | 632913.1N 0155744.3E (*) | 564          | 2198       | F R                | Wind turbine       |
|      | 11781 | ÖGONFÄGNADEN | 632901.5N 0155737.1E (*) | 564          | 2277       | FLG W              | Wind turbine       |
|      | 12374 | STAMÅSEN     | 633950.2N 0154739.2E (*) | 394          | 1749       | F R                | Mast               |
|      | 12902 | KÅLARNE      | 630003.3N 0155428.8E     | 328          | 1926       | F R                | Mast               |
|      | 13316 | MUNKFLOHÖGEN | 633223.2N 0150001.3E (*) | 591          | 2257       | F R                | Wind turbine       |
|      | 13323 | MUNKFLOHÖGEN | 633236.4N 0150027.3E (*) | 591          | 2201       | FLG W              | Wind turbine       |
|      | 13648 | HAMMERDAL    | 633315.1N 0150311.0E (*) | 591          | 2087       | FLG W              | Wind turbine       |
|      | 13649 | HAMMERDAL    | 633302.0N 0150241.1E (*) | 591          | 2123       | F R                | Wind turbine       |
|      | 13650 | HAMMERDAL    | 633300.5N 0150356.4E (*) | 591          | 2123       | F R                | Wind turbine       |
|      | 13651 | HAMMERDAL    | 633244.5N 0150222.8E (*) | 591          | 2146       | FLG W              | Wind turbine       |
|      | 13652 | HAMMERDAL    | 633249.6N 0150319.6E (*) | 591          | 2188       | F R                | Wind turbine       |
|      | 13653 | HAMMERDAL    | 633241.9N 0150404.9E (*) | 591          | 2165       | F R                | Wind turbine       |
|      | 13654 | HAMMERDAL    | 633232.4N 0150307.9E (*) | 591          | 2178       | F R                | Wind turbine       |
|      | 13655 | HAMMERDAL    | 633224.1N 0150355.6E (*) | 591          | 2188       | F R                | Wind turbine       |
|      | 13656 | HAMMERDAL    | 633312.3N 0150558.5E (*) | 591          | 2083       | FLG W              | Wind turbine       |
|      | 13657 | HAMMERDAL    | 633256.3N 0150534.9E (*) | 591          | 2152       | F R                | Wind turbine       |
|      | 13658 | HAMMERDAL    | 633256.9N 0150622.2E (*) | 591          | 2146       | F R                | Wind turbine       |
|      | 13659 | HAMMERDAL    | 633236.9N 0150531.0E (*) | 591          | 2218       | F R                | Wind turbine       |
|      | 13660 | HAMMERDAL    | 633238.5N 0150618.6E (*) | 591          | 2228       | F R                | Wind turbine       |
|      | 13661 | HAMMERDAL    | 633219.2N 0150521.1E (*) | 591          | 2238       | F R                | Wind turbine       |
|      | 13662 | HAMMERDAL    | 633217.6N 0150616.8E (*) | 591          | 2224       | F R                | Wind turbine       |
|      | 13663 | HAMMERDAL    | 633202.7N 0150457.7E (*) | 591          | 2228       | F R                | Wind turbine       |
|      | 13664 | HAMMERDAL    | 633201.8N 0150546.1E (*) | 591          | 2267       | F R                | Wind turbine       |
|      | 13665 | HAMMERDAL    | 633151.0N 0150621.7E (*) | 591          | 2290       | F R                | Wind turbine       |
|      | 13666 | HAMMERDAL    | 633147.6N 0150431.5E (*) | 591          | 2172       | FLG W              | Wind turbine       |
|      | 13667 | HAMMERDAL    | 633145.2N 0150516.1E (*) | 591          | 2274       | F R                | Wind turbine       |
|      | 13668 | HAMMERDAL    | 633135.1N 0150600.9E (*) | 591          | 2231       | FLG W              | Wind turbine       |
|      | 13669 | HAMMERDAL    | 633410.6N 0151008.2E (*) | 591          | 1972       | FLG W              | Wind turbine       |
|      | 13670 | HAMMERDAL    | 633353.8N 0150945.5E (*) | 591          | 2051       | F R                | Wind turbine       |
|      | 13671 | HAMMERDAL    | 633356.6N 0151051.6E (*) | 591          | 2031       | F R                | Wind turbine       |
|      | 13672 | HAMMERDAL    | 633336.1N 0150927.6E (*) | 591          | 2054       | F R                | Wind turbine       |
|      | 13673 | HAMMERDAL    | 633340.3N 0151031.9E (*) | 591          | 2080       | F R                | Wind turbine       |
|      | 13674 | HAMMERDAL    | 633335.1N 0151121.7E (*) | 591          | 2060       | FLG W              | Wind turbine       |
|      | 13675 | HAMMERDAL    | 633321.9N 0150856.7E (*) | 591          | 2057       | FLG W              | Wind turbine       |
|      | 13676 | HAMMERDAL    | 633324.5N 0151010.3E (*) | 591          | 2080       | F R                | Wind turbine       |
|      | 13677 | HAMMERDAL    | 633303.9N 0150916.2E (*) | 591          | 2073       | F R                | Wind turbine       |
|      | 13678 | HAMMERDAL    | 633248.7N 0150852.7E (*) | 591          | 2080       | F R                | Wind turbine       |
|      | 13679 | HAMMERDAL    | 633154.6N 0150953.7E (*) | 591          | 2142       | F R                | Wind turbine       |
|      | 13680 | HAMMERDAL    | 633139.0N 0150917.8E (*) | 591          | 2254       | F R                | Wind turbine       |
|      | 13681 | HAMMERDAL    | 633126.9N 0150840.1E (*) | 591          | 2201       | F R                | Wind turbine       |
|      | 13682 | HAMMERDAL    | 633108.4N 0150856.7E (*) | 591          | 2211       | FLG W              | Wind turbine       |
|      | 13683 | HAMMERDAL    | 633120.9N 0150935.1E (*) | 591          | 2293       | F R                | Wind turbine       |
|      | 13684 | HAMMERDAL    | 633107.2N 0151002.9E (*) | 591          | 2188       | F R                | Wind turbine       |
|      | 13685 | HAMMERDAL    | 633053.6N 0150931.6E (*) | 591          | 2172       | F R                | Wind turbine       |
|      | 13686 | HAMMERDAL    | 633051.7N 0151026.2E (*) | 591          | 2133       | F R                | Wind turbine       |
|      | 13687 | HAMMERDAL    | 633034.3N 0151022.8E (*) | 591          | 2110       | FLG W              | Wind turbine       |
|      | 13688 | HAMMERDAL    | 633052.6N 0151148.7E (*) | 591          | 2037       | F R                | Wind turbine       |
|      | 13689 | HAMMERDAL    | 633208.8N 0151023.7E (*) | 591          | 2146       | F R                | Wind turbine       |
|      | 13690 | HAMMERDAL    | 633223.2N 0151052.4E (*) | 591          | 2126       | F R                | Wind turbine       |
|      | 13691 | HAMMERDAL    | 633234.0N 0151127.8E (*) | 591          | 2100       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |               |                          |              |            |                    |                    |
|---|-------|---------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation   | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 13692 | HAMMERDAL     | 633242.0N 0151210.9E (*) | 591          | 2031       | F R                | Wind turbine       |
|   | 13693 | HAMMERDAL     | 633204.6N 0151116.5E (*) | 591          | 2133       | F R                | Wind turbine       |
|   | 13694 | HAMMERDAL     | 633152.5N 0151049.6E (*) | 591          | 2165       | F R                | Wind turbine       |
|   | 13695 | HAMMERDAL     | 633143.4N 0151131.1E (*) | 591          | 2110       | F R                | Wind turbine       |
|   | 13696 | HAMMERDAL     | 633126.3N 0151119.3E (*) | 591          | 2100       | F R                | Wind turbine       |
|   | 13697 | HAMMERDAL     | 633110.2N 0151144.4E (*) | 591          | 2060       | F R                | Wind turbine       |
|   | 13698 | HAMMERDAL     | 633157.7N 0151236.2E (*) | 591          | 2083       | F R                | Wind turbine       |
|   | 13699 | HAMMERDAL     | 633213.4N 0151315.7E (*) | 591          | 2106       | F R                | Wind turbine       |
|   | 13700 | HAMMERDAL     | 633222.2N 0151359.0E (*) | 591          | 2047       | FLG W              | Wind turbine       |
|   | 13701 | HAMMERDAL     | 633203.5N 0151400.4E (*) | 591          | 2080       | F R                | Wind turbine       |
|   | 13702 | HAMMERDAL     | 633154.9N 0151322.1E (*) | 591          | 2146       | F R                | Wind turbine       |
|   | 13703 | HAMMERDAL     | 633140.4N 0151255.3E (*) | 591          | 2136       | F R                | Wind turbine       |
|   | 13704 | HAMMERDAL     | 633141.5N 0151356.7E (*) | 591          | 2133       | F R                | Wind turbine       |
|   | 13705 | HAMMERDAL     | 633127.4N 0151330.9E (*) | 591          | 2087       | F R                | Wind turbine       |
|   | 13706 | HAMMERDAL     | 633115.0N 0151300.9E (*) | 591          | 2070       | F R                | Wind turbine       |
|   | 13707 | HAMMERDAL     | 633113.2N 0151406.7E (*) | 591          | 2021       | FLG W              | Wind turbine       |
|   | 13708 | HAMMERDAL     | 633100.4N 0151334.4E (*) | 591          | 2021       | FLG W              | Wind turbine       |
|   | 13709 | HAMMERDAL     | 632800.5N 0150310.7E (*) | 591          | 2093       | FLG W              | Wind turbine       |
|   | 13710 | HAMMERDAL     | 632741.4N 0150302.0E (*) | 591          | 2185       | F R                | Wind turbine       |
|   | 13711 | HAMMERDAL     | 632745.6N 0150344.2E (*) | 591          | 2119       | F R                | Wind turbine       |
|   | 13712 | HAMMERDAL     | 632723.0N 0150315.2E (*) | 591          | 2188       | FLG W              | Wind turbine       |
|   | 13713 | HAMMERDAL     | 632724.2N 0150404.8E (*) | 591          | 2123       | F R                | Wind turbine       |
|   | 13714 | HAMMERDAL     | 632705.7N 0150340.0E (*) | 591          | 2126       | F R                | Wind turbine       |
|   | 13715 | HAMMERDAL     | 632709.1N 0150428.6E (*) | 591          | 2110       | FLG W              | Wind turbine       |
|   | 13716 | HAMMERDAL     | 632646.0N 0150332.1E (*) | 591          | 2064       | FLG W              | Wind turbine       |
|   | 13717 | HAMMERDAL     | 632828.9N 0150522.7E (*) | 591          | 2182       | FLG W              | Wind turbine       |
|   | 13718 | HAMMERDAL     | 632819.2N 0150441.4E (*) | 591          | 2149       | F R                | Wind turbine       |
|   | 13719 | HAMMERDAL     | 632809.2N 0150540.2E (*) | 591          | 2139       | F R                | Wind turbine       |
|   | 13720 | HAMMERDAL     | 632747.1N 0150611.6E (*) | 591          | 2113       | FLG W              | Wind turbine       |
|   | 13721 | HAMMERDAL     | 632842.4N 0150924.9E (*) | 591          | 2142       | FLG W              | Wind turbine       |
|   | 13722 | HAMMERDAL     | 632824.7N 0150927.6E (*) | 591          | 2146       | F R                | Wind turbine       |
|   | 13723 | HAMMERDAL     | 632814.7N 0150850.2E (*) | 591          | 2162       | F R                | Wind turbine       |
|   | 13724 | HAMMERDAL     | 632805.4N 0150955.4E (*) | 591          | 2119       | F R                | Wind turbine       |
|   | 13725 | HAMMERDAL     | 632757.5N 0150911.2E (*) | 591          | 2146       | F R                | Wind turbine       |
|   | 13726 | HAMMERDAL     | 632746.1N 0150959.2E (*) | 591          | 2116       | FLG W              | Wind turbine       |
|   | 13727 | HAMMERDAL     | 632738.4N 0150920.4E (*) | 591          | 2100       | FLG W              | Wind turbine       |
|   | 14212 | BJÖRKVATTNET  | 632434.6N 0155931.2E     | 722          | 2320       | F R                | Wind turbine       |
|   | 14213 | BJÖRKVATTNET  | 632450.8N 0155928.5E     | 722          | 2339       | FLG W              | Wind turbine       |
|   | 14217 | BJÖRKVATTNET  | 632443.2N 0155901.5E     | 722          | 2300       | FLG W              | Wind turbine       |
|   | 14222 | BJÖRKVATTNET  | 632505.2N 0155912.0E     | 722          | 2316       | F R                | Wind turbine       |
|   | 14225 | BJÖRKVATTNET  | 632511.6N 0155956.9E     | 722          | 2329       | F R                | Wind turbine       |
|   | 14226 | BJÖRKVATTNET  | 632518.4N 0155911.1E     | 722          | 2323       | F R                | Wind turbine       |
|   | 14227 | BJÖRKVATTNET  | 632528.2N 0155952.3E     | 722          | 2369       | F R                | Wind turbine       |
|   | 14228 | BJÖRKVATTNET  | 632531.1N 0155906.9E     | 722          | 2356       | FLG W              | Wind turbine       |
|   | 14232 | BJÖRKVATTNET  | 632547.1N 0155905.1E     | 722          | 2411       | F R                | Wind turbine       |
|   | 14233 | BJÖRKVATTNET  | 632543.6N 0155948.6E     | 722          | 2438       | FLG W              | Wind turbine       |
|   | 14234 | BJÖRKVATTNET  | 632557.1N 0155957.2E     | 722          | 2425       | F R                | Wind turbine       |
|   | 14236 | BJÖRKVATTNET  | 632602.5N 0155837.1E     | 722          | 2349       | FLG W              | Wind turbine       |
|   | 14237 | BJÖRKVATTNET  | 632559.3N 0155922.2E     | 722          | 2408       | F R                | Wind turbine       |
|   | 14238 | BJÖRKVATTNET  | 632615.1N 0155850.3E     | 722          | 2336       | FLG W              | Wind turbine       |
|   | 14691 | HAMMERDAL     | 633138.0N 0150445.5E     | 367          | 1972       | F R                | Mast               |
|   | 14818 | RAFTSJÖHÖJDEN | 633834.6N 0150355.3E     | 722          | 2162       | FLG W              | Wind turbine       |
|   | 14819 | RAFTSJÖHÖJDEN | 633834.0N 0150313.6E     | 722          | 2247       | F R                | Wind turbine       |
|   | 14820 | RAFTSJÖHÖJDEN | 633820.3N 0150235.0E     | 722          | 2270       | F R                | Wind turbine       |
|   | 14821 | RAFTSJÖHÖJDEN | 633814.3N 0150152.3E     | 722          | 2238       | FLG W              | Wind turbine       |
|   | 14824 | RAFTSJÖHÖJDEN | 633721.7N 0150033.9E     | 722          | 2339       | F R                | Wind turbine       |
|   | 14825 | RAFTSJÖHÖJDEN | 633735.3N 0150224.3E     | 722          | 2270       | F R                | Wind turbine       |
|   | 14826 | RAFTSJÖHÖJDEN | 633709.4N 0150231.0E     | 722          | 2316       | F R                | Wind turbine       |
|   | 14827 | RAFTSJÖHÖJDEN | 633645.8N 0150143.6E     | 722          | 2402       | FLG W              | Wind turbine       |
|   | 14828 | RAFTSJÖHÖJDEN | 633626.6N 0150407.7E     | 722          | 2352       | FLG W              | Wind turbine       |
|   | 15630 | HOCKSJÖN      | 632729.8N 0155843.0E     | 753          | 2410       | FLG W              | Wind turbine       |
|   | 15631 | HOCKSJÖN      | 632712.9N 0155851.6E     | 753          | 2242       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No      | Designation              | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|---------|--------------------------|--------------------------|--------------|------------|--------------------|--------------------|
| 63N 16E | 15813   | STORBRÄNNKULLEN          | 632912.9N 0155840.1E     | 620          | 2282       | FLG W              | Wind turbine       |
|         | 15814   | STORBRÄNNKULLEN          | 632900.5N 0155833.2E     | 620          | 2315       | F R                | Wind turbine       |
|         | 15815   | STORBRÄNNKULLEN          | 632851.0N 0155754.8E     | 620          | 2373       | FLG W              | Wind turbine       |
|         | 15816   | STORBRÄNNKULLEN          | 632849.2N 0155831.0E     | 620          | 2328       | F R                | Wind turbine       |
|         | 15817   | STORBRÄNNKULLEN          | 632838.3N 0155755.6E     | 620          | 2235       | F R                | Wind turbine       |
|         | 15818   | STORBRÄNNKULLEN          | 632824.5N 0155811.6E     | 620          | 2211       | F R                | Wind turbine       |
|         | 15819   | STORBRÄNNKULLEN          | 632808.1N 0155808.7E     | 620          | 2179       | F R                | Wind turbine       |
|         | 15820   | STORBRÄNNKULLEN          | 632753.4N 0155813.1E     | 620          | 2161       | FLG W              | Wind turbine       |
|         | 15821   | STORBRÄNNKULLEN          | 632747.5N 0155837.2E     | 620          | 2189       | F R                | Wind turbine       |
|         | 15822   | STORBRÄNNKULLEN          | 632746.7N 0155913.7E     | 620          | 2180       | FLG W              | Wind turbine       |
|         | 486     | RAMSELE                  | 633554.2N 0162446.9E     | 351          | 1462       | F R                | Mast               |
|         | 9878    | LILL-VILLFLON            | 632405.8N 0160049.3E (*) | 328          | 2057       | F R                | Mast               |
|         | 10136   | KÄRMSJÖHÖJDEN            | 635224.8N 0164351.6E (*) | 328          | 1814       | F R                | Mast               |
|         | 10374   | BACKE                    | 634545.1N 0163009.4E (*) | 492          | 1542       | FLG R              | Wind turbine       |
|         | 10375   | BACKE                    | 634538.4N 0163035.1E (*) | 492          | 1529       | FLG R              | Wind turbine       |
|         | 11565   | RENSJÖN                  | 632749.6N 0160607.9E (*) | 367          | 1909       | F R                | Mast               |
|         | 11596   | BJÖRKHÖJDEN              | 632457.8N 0160713.3E (*) | 367          | 2067       | F R                | Mast               |
|         | 11785   | RENSJÖN                  | 632820.2N 0160612.1E (*) | 564          | 2034       | FLG W              | Wind turbine       |
|         | 11786   | RENSJÖN                  | 632813.6N 0160645.7E (*) | 564          | 1995       | F R                | Wind turbine       |
|         | 11787   | RENSJÖN                  | 632820.4N 0160715.2E (*) | 564          | 2018       | FLG W              | Wind turbine       |
|         | 11788   | RENSJÖN                  | 632756.9N 0160714.9E (*) | 564          | 2051       | F R                | Wind turbine       |
|         | 11789   | RENSJÖN                  | 632749.8N 0160748.1E (*) | 564          | 2116       | F R                | Wind turbine       |
|         | 11790   | RENSJÖN                  | 632746.0N 0160622.1E (*) | 564          | 2103       | F R                | Wind turbine       |
|         | 11791   | RENSJÖN                  | 632738.5N 0160703.6E (*) | 564          | 2123       | F R                | Wind turbine       |
|         | 11792   | RENSJÖN                  | 632732.1N 0160628.2E (*) | 564          | 2103       | FLG W              | Wind turbine       |
|         | 11793   | RENSJÖN                  | 632719.9N 0160649.9E (*) | 564          | 2090       | F R                | Wind turbine       |
|         | 11794   | RENSJÖN                  | 632707.0N 0160701.7E (*) | 564          | 2057       | F R                | Wind turbine       |
|         | 11795   | RENSJÖN                  | 632722.0N 0160818.3E (*) | 564          | 2028       | FLG W              | Wind turbine       |
|         | 11796   | RENSJÖN                  | 632716.3N 0160851.0E (*) | 564          | 2096       | F R                | Wind turbine       |
|         | 11797   | RENSJÖN                  | 632710.7N 0160923.6E (*) | 564          | 1965       | F R                | Wind turbine       |
|         | 11798   | RENSJÖN                  | 632654.9N 0160934.2E (*) | 564          | 2034       | FLG W              | Wind turbine       |
|         | 11799   | RENSJÖN                  | 632705.4N 0160817.7E (*) | 564          | 2073       | F R                | Wind turbine       |
|         | 11800   | RENSJÖN                  | 632657.2N 0160753.8E (*) | 564          | 2139       | F R                | Wind turbine       |
|         | 11801   | RENSJÖN                  | 632650.9N 0160826.9E (*) | 564          | 2054       | F R                | Wind turbine       |
|         | 11802   | RENSJÖN                  | 632634.9N 0160834.1E (*) | 564          | 2070       | F R                | Wind turbine       |
|         | 11803   | RENSJÖN                  | 632621.3N 0160847.8E (*) | 564          | 2070       | F R                | Wind turbine       |
|         | 11804   | RENSJÖN                  | 632621.5N 0160659.6E (*) | 564          | 2073       | F R                | Wind turbine       |
|         | 11805   | RENSJÖN                  | 632606.0N 0160703.0E (*) | 564          | 2139       | F R                | Wind turbine       |
|         | 11806   | RENSJÖN                  | 632559.0N 0160631.2E (*) | 564          | 2156       | FLG W              | Wind turbine       |
|         | 11807   | RENSJÖN                  | 632541.6N 0160738.5E (*) | 564          | 2195       | F R                | Wind turbine       |
|         | 11808   | RENSJÖN                  | 632516.3N 0160824.3E (*) | 564          | 2385       | F R                | Wind turbine       |
|         | 11809   | RENSJÖN                  | 632522.3N 0160850.7E (*) | 564          | 2215       | F R                | Wind turbine       |
| 11810   | RENSJÖN | 632506.3N 0161148.7E (*) | 564                      | 2208         | FLG W      | Wind turbine       |                    |
| 11811   | RENSJÖN | 632448.7N 0161204.4E (*) | 564                      | 2244         | F R        | Wind turbine       |                    |
| 11812   | RENSJÖN | 632432.1N 0161216.4E (*) | 564                      | 2218         | F R        | Wind turbine       |                    |
| 11813   | RENSJÖN | 632420.5N 0161242.0E (*) | 564                      | 2126         | F R        | Wind turbine       |                    |
| 11814   | RENSJÖN | 632402.5N 0161307.3E (*) | 564                      | 2142         | F R        | Wind turbine       |                    |
| 11815   | RENSJÖN | 632355.5N 0161341.4E (*) | 564                      | 2123         | FLG W      | Wind turbine       |                    |
| 11816   | RENSJÖN | 632423.3N 0161153.7E (*) | 564                      | 2313         | F R        | Wind turbine       |                    |
| 11817   | RENSJÖN | 632511.3N 0160925.1E (*) | 564                      | 2280         | F R        | Wind turbine       |                    |
| 11818   | RENSJÖN | 632505.1N 0160805.0E (*) | 564                      | 2280         | F R        | Wind turbine       |                    |
| 12317   | RENSJÖN | 632557.7N 0160733.9E (*) | 564                      | 2139         | F R        | Wind turbine       |                    |
| 12318   | RENSJÖN | 632548.8N 0160658.5E (*) | 564                      | 2139         | F R        | Wind turbine       |                    |
| 12319   | RENSJÖN | 632519.1N 0160750.8E (*) | 564                      | 2303         | F R        | Wind turbine       |                    |
| 12320   | RENSJÖN | 632511.0N 0161043.4E (*) | 564                      | 2133         | F R        | Wind turbine       |                    |
| 12321   | RENSJÖN | 632457.2N 0161108.2E (*) | 564                      | 2267         | F R        | Wind turbine       |                    |
| 12322   | RENSJÖN | 632443.3N 0161119.6E (*) | 564                      | 2306         | F R        | Wind turbine       |                    |
| 12323   | RENSJÖN | 632406.1N 0161151.4E (*) | 564                      | 2270         | F R        | Wind turbine       |                    |
| 12324   | RENSJÖN | 632350.1N 0161153.9E (*) | 564                      | 2247         | F R        | Wind turbine       |                    |
| 12325   | RENSJÖN | 632337.8N 0161238.0E (*) | 564                      | 2231         | F R        | Wind turbine       |                    |
| 12326   | RENSJÖN | 632328.2N 0161306.8E (*) | 564                      | 2159         | F R        | Wind turbine       |                    |
| 12327   | RENSJÖN | 632304.2N 0161346.8E (*) | 564                      | 2073         | F R        | Wind turbine       |                    |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |              |                          |              |            |                    |                    |
|---|-------|--------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation  | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 12328 | RENSJÖN      | 632454.9N 0161034.4E (*) | 564          | 2201       | F R                | Wind turbine       |
|   | 12329 | RENSJÖN      | 632439.4N 0161049.0E (*) | 564          | 2228       | F R                | Wind turbine       |
|   | 12330 | RENSJÖN      | 632425.2N 0161056.1E (*) | 564          | 2260       | F R                | Wind turbine       |
|   | 12331 | RENSJÖN      | 632407.8N 0161115.5E (*) | 564          | 2251       | F R                | Wind turbine       |
|   | 12332 | RENSJÖN      | 632352.9N 0161113.8E (*) | 564          | 2260       | F R                | Wind turbine       |
|   | 12333 | RENSJÖN      | 632337.7N 0161140.5E (*) | 564          | 2379       | F R                | Wind turbine       |
|   | 12334 | RENSJÖN      | 632325.7N 0161205.8E (*) | 564          | 2238       | F R                | Wind turbine       |
|   | 12335 | RENSJÖN      | 632457.6N 0160933.1E (*) | 564          | 2224       | F R                | Wind turbine       |
|   | 12336 | RENSJÖN      | 632425.5N 0161010.8E (*) | 564          | 2293       | F R                | Wind turbine       |
|   | 12337 | RENSJÖN      | 632333.6N 0161102.9E (*) | 564          | 2310       | F R                | Wind turbine       |
|   | 12338 | RENSJÖN      | 632324.8N 0161133.2E (*) | 564          | 2244       | F R                | Wind turbine       |
|   | 12339 | RENSJÖN      | 632307.3N 0161211.0E (*) | 564          | 2211       | F R                | Wind turbine       |
|   | 12340 | RENSJÖN      | 632445.5N 0160853.2E (*) | 564          | 2274       | F R                | Wind turbine       |
|   | 12341 | RENSJÖN      | 632433.8N 0160922.5E (*) | 564          | 2293       | F R                | Wind turbine       |
|   | 12342 | RENSJÖN      | 632419.1N 0160938.5E (*) | 564          | 2382       | F R                | Wind turbine       |
|   | 12343 | RENSJÖN      | 632405.9N 0160957.5E (*) | 564          | 2323       | F R                | Wind turbine       |
|   | 12344 | RENSJÖN      | 632350.6N 0161028.6E (*) | 564          | 2323       | F R                | Wind turbine       |
|   | 12345 | RENSJÖN      | 632335.9N 0161021.8E (*) | 564          | 2346       | F R                | Wind turbine       |
|   | 12346 | RENSJÖN      | 632318.8N 0161056.3E (*) | 564          | 2356       | F R                | Wind turbine       |
|   | 12347 | RENSJÖN      | 632308.2N 0161136.5E (*) | 564          | 2201       | F R                | Wind turbine       |
|   | 12348 | RENSJÖN      | 632250.6N 0161206.1E (*) | 564          | 2175       | F R                | Wind turbine       |
|   | 12349 | RENSJÖN      | 632250.3N 0161343.5E (*) | 564          | 2110       | F R                | Wind turbine       |
|   | 12350 | RENSJÖN      | 632234.8N 0161358.0E (*) | 564          | 2123       | FLG W              | Wind turbine       |
|   | 12351 | RENSJÖN      | 632447.7N 0160817.7E (*) | 564          | 2277       | F R                | Wind turbine       |
|   | 12352 | RENSJÖN      | 632417.4N 0160901.2E (*) | 564          | 2385       | F R                | Wind turbine       |
|   | 12353 | RENSJÖN      | 632402.7N 0160848.7E (*) | 564          | 2356       | F R                | Wind turbine       |
|   | 12354 | RENSJÖN      | 632404.9N 0160923.1E (*) | 564          | 2369       | F R                | Wind turbine       |
|   | 12355 | RENSJÖN      | 632351.9N 0160943.4E (*) | 564          | 2297       | F R                | Wind turbine       |
|   | 12356 | RENSJÖN      | 632336.7N 0160946.6E (*) | 564          | 2274       | F R                | Wind turbine       |
|   | 12357 | RENSJÖN      | 632309.0N 0161023.1E (*) | 564          | 2178       | F R                | Wind turbine       |
|   | 12358 | RENSJÖN      | 632249.6N 0161028.2E (*) | 564          | 2172       | F R                | Wind turbine       |
|   | 12359 | RENSJÖN      | 632256.7N 0161059.9E (*) | 564          | 2172       | F R                | Wind turbine       |
|   | 12360 | RENSJÖN      | 632241.7N 0161141.7E (*) | 564          | 2146       | F R                | Wind turbine       |
|   | 12361 | RENSJÖN      | 632234.3N 0161215.1E (*) | 564          | 2142       | F R                | Wind turbine       |
|   | 12362 | RENSJÖN      | 632244.9N 0161306.8E (*) | 564          | 2119       | F R                | Wind turbine       |
|   | 12363 | RENSJÖN      | 632509.3N 0160723.3E (*) | 564          | 2280       | F R                | Wind turbine       |
|   | 12364 | RENSJÖN      | 632453.8N 0160727.3E (*) | 564          | 2274       | FLG W              | Wind turbine       |
|   | 12365 | RENSJÖN      | 632423.4N 0160738.3E (*) | 564          | 2320       | F R                | Wind turbine       |
|   | 12366 | RENSJÖN      | 632415.2N 0160807.5E (*) | 564          | 2316       | F R                | Wind turbine       |
|   | 12367 | RENSJÖN      | 632402.0N 0160754.3E (*) | 564          | 2333       | FLG W              | Wind turbine       |
|   | 12368 | RENSJÖN      | 632229.0N 0161020.5E (*) | 564          | 2165       | FLG W              | Wind turbine       |
|   | 12369 | RENSJÖN      | 632215.8N 0161040.1E (*) | 564          | 2119       | F R                | Wind turbine       |
|   | 12370 | RENSJÖN      | 632218.2N 0161114.1E (*) | 564          | 2133       | F R                | Wind turbine       |
|   | 12371 | RENSJÖN      | 632204.1N 0161129.8E (*) | 564          | 2129       | F R                | Wind turbine       |
|   | 12372 | RENSJÖN      | 632201.3N 0161203.6E (*) | 564          | 2090       | FLG W              | Wind turbine       |
|   | 12898 | KRÅNGEDE     | 630621.6N 0160317.6E     | 328          | 1867       | F R                | Mast               |
|   | 13298 | IMFORS       | 633244.9N 0163718.9E (*) | 427          | 1594       | F R                | Mast               |
|   | 13299 | NÄSÅKER      | 632359.0N 0164644.3E (*) | 427          | 1555       | F R                | Mast               |
|   | 13366 | RAMSELE      | 633108.2N 0163454.6E (*) | 427          | 1811       | F R                | Mast               |
|   | 14206 | BJÖRKVATTNET | 632358.1N 0160058.0E     | 722          | 2470       | FLG W              | Wind turbine       |
|   | 14207 | BJÖRKVATTNET | 632404.2N 0160132.1E     | 722          | 2398       | F R                | Wind turbine       |
|   | 14208 | BJÖRKVATTNET | 632412.6N 0160159.7E     | 722          | 2428       | F R                | Wind turbine       |
|   | 14209 | BJÖRKVATTNET | 632426.3N 0160240.0E     | 722          | 2349       | F R                | Wind turbine       |
|   | 14210 | BJÖRKVATTNET | 632414.3N 0160232.8E     | 722          | 2392       | FLG W              | Wind turbine       |
|   | 14211 | BJÖRKVATTNET | 632423.1N 0160026.8E     | 722          | 2349       | F R                | Wind turbine       |
|   | 14214 | BJÖRKVATTNET | 632433.8N 0160043.2E     | 722          | 2375       | F R                | Wind turbine       |
|   | 14215 | BJÖRKVATTNET | 632429.9N 0160152.0E     | 722          | 2402       | FLG W              | Wind turbine       |
|   | 14216 | BJÖRKVATTNET | 632440.9N 0160206.7E     | 722          | 2310       | F R                | Wind turbine       |
|   | 14218 | BJÖRKVATTNET | 632443.9N 0160120.5E     | 722          | 2362       | F R                | Wind turbine       |
|   | 14219 | BJÖRKVATTNET | 632520.1N 0160110.9E     | 722          | 2369       | F R                | Wind turbine       |
|   | 14220 | BJÖRKVATTNET | 632457.7N 0160006.8E     | 722          | 2339       | F R                | Wind turbine       |
|   | 14221 | BJÖRKVATTNET | 632425.3N 0160118.4E     | 722          | 2392       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation      | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|------------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 14223 | BJÖRKVATTNET     | 632506.7N 0160151.4E     | 722          | 2270       | FLG W              | Wind turbine       |
|         | 14224 | BJÖRKVATTNET     | 632505.0N 0160103.5E     | 722          | 2398       | FLG W              | Wind turbine       |
|         | 14229 | BJÖRKVATTNET     | 632543.7N 0160113.4E     | 722          | 2297       | FLG W              | Wind turbine       |
|         | 14230 | BJÖRKVATTNET     | 632546.0N 0160037.8E     | 722          | 2343       | F R                | Wind turbine       |
|         | 14231 | BJÖRKVATTNET     | 632410.5N 0160017.0E     | 722          | 2382       | F R                | Wind turbine       |
|         | 14235 | BJÖRKVATTNET     | 632356.2N 0160020.2E     | 722          | 2431       | FLG W              | Wind turbine       |
|         | 14977 | SOLLEFTEÅ        | 630640.5N 0164456.3E     | 489          | 1880       | F R                | Mast               |
|         | 14978 | SOLLEFTEÅ        | 630841.8N 0164117.6E     | 489          | 1900       | F R                | Mast               |
|         | 15632 | HOCKSJÖN         | 632715.9N 0160017.2E     | 753          | 2341       | F R                | Wind turbine       |
|         | 15633 | HOCKSJÖN         | 632650.1N 0160001.7E     | 753          | 2302       | FLG W              | Wind turbine       |
|         | 15634 | HOCKSJÖN         | 632637.0N 0160021.3E     | 753          | 2252       | F R                | Wind turbine       |
|         | 15635 | HOCKSJÖN         | 632704.6N 0160122.5E     | 753          | 2295       | F R                | Wind turbine       |
|         | 15636 | HOCKSJÖN         | 632649.3N 0160203.4E     | 753          | 2384       | F R                | Wind turbine       |
|         | 15637 | HOCKSJÖN         | 632638.5N 0160119.7E     | 753          | 2098       | F R                | Wind turbine       |
|         | 15638 | HOCKSJÖN         | 632618.4N 0160136.9E     | 753          | 2154       | FLG W              | Wind turbine       |
|         | 15639 | HOCKSJÖN         | 632722.4N 0160146.7E     | 753          | 2055       | FLG W              | Wind turbine       |
|         | 15640 | HOCKSJÖN         | 632717.0N 0160303.7E     | 753          | 2141       | F R                | Wind turbine       |
|         | 15641 | HOCKSJÖN         | 632713.9N 0160420.8E     | 753          | 2111       | F R                | Wind turbine       |
|         | 15642 | HOCKSJÖN         | 632652.0N 0160457.4E     | 753          | 2285       | FLG W              | Wind turbine       |
|         | 15643 | HOCKSJÖN         | 632710.9N 0160508.5E     | 753          | 2285       | F R                | Wind turbine       |
|         | 15644 | HOCKSJÖN         | 632656.6N 0160548.9E     | 753          | 2203       | FLG W              | Wind turbine       |
|         | 15645 | HOCKSJÖN         | 632726.5N 0160448.3E     | 753          | 2288       | F R                | Wind turbine       |
|         | 15646 | HOCKSJÖN         | 632743.2N 0160531.7E     | 753          | 2226       | FLG W              | Wind turbine       |
|         | 15647 | HOCKSJÖN         | 632729.6N 0160548.2E     | 753          | 2318       | F R                | Wind turbine       |
|         | 15648 | HOCKSJÖN         | 632754.7N 0160439.7E     | 753          | 2249       | F R                | Wind turbine       |
|         | 15649 | HOCKSJÖN         | 632809.7N 0160518.7E     | 753          | 2190       | F R                | Wind turbine       |
|         | 15650 | HOCKSJÖN         | 632823.2N 0160532.7E     | 753          | 2160       | FLG W              | Wind turbine       |
|         | 15651 | HOCKSJÖN         | 632811.2N 0160413.3E     | 753          | 2098       | F R                | Wind turbine       |
|         | 15652 | HOCKSJÖN         | 632823.7N 0160342.5E     | 753          | 2016       | FLG W              | Wind turbine       |
| 63N 17E | 494   | SOLLEFTEÅ/MULTRÅ | 631511.0N 0172704.1E     | 948          | 2234       | FLG W              | Mast               |
|         | 497   | LÅNGSELE         | 631236.8N 0170350.9E     | 354          | 1306       | F R                | Mast               |
|         | 4764  | SOLLEFTEÅ/MULTRÅ | 631510.2N 0172703.3E     | 351          | 1636       | -                  | Mast               |
|         | 9437  | STORBERGET       | 635644.5N 0172836.5E (*) | 394          | 1909       | F R                | Mast               |
|         | 10454 | TANNFLOHÖJDEN    | 632826.6N 0170840.8E (*) | 394          | 2021       | F R                | Mast               |
|         | 10455 | VITBERGSHÖJDEN   | 632738.7N 0171701.4E (*) | 394          | 1808       | F R                | Mast               |
|         | 10456 | BRÄNNAN          | 633020.0N 0172146.2E (*) | 394          | 1601       | F R                | Mast               |
|         | 10457 | STORSJÖHÖJDEN    | 632203.0N 0172146.3E (*) | 394          | 1752       | F R                | Mast               |
|         | 10581 | HOLMTRÄSK        | 635321.1N 0172537.6E (*) | 394          | 2011       | F R                | Mast               |
|         | 10800 | TRATTBERGET      | 634834.6N 0172215.7E (*) | 574          | 2182       | FLG R              | Wind turbine       |
|         | 10801 | TRATTBERGET      | 634822.1N 0172217.2E (*) | 492          | 2116       | FLG R              | Wind turbine       |
|         | 10802 | TRATTBERGET      | 634840.1N 0172246.9E (*) | 492          | 2103       | FLG R              | Wind turbine       |
|         | 10803 | TRATTBERGET      | 634826.0N 0172243.6E (*) | 492          | 2146       | FLG R              | Wind turbine       |
|         | 10804 | TRATTBERGET      | 634833.1N 0172323.4E (*) | 492          | 2172       | FLG R              | Wind turbine       |
|         | 10805 | TRATTBERGET      | 634818.6N 0172318.0E (*) | 492          | 2208       | FLG R              | Wind turbine       |
|         | 10806 | TRATTBERGET      | 634839.7N 0172352.5E (*) | 492          | 2178       | FLG R              | Wind turbine       |
|         | 10807 | TRATTBERGET      | 634825.7N 0172347.3E (*) | 492          | 2257       | FLG R              | Wind turbine       |
|         | 10808 | TRATTBERGET      | 634810.6N 0172344.3E (*) | 492          | 2228       | FLG R              | Wind turbine       |
|         | 10809 | TRATTBERGET      | 634831.8N 0172413.9E (*) | 492          | 2260       | FLG R              | Wind turbine       |
|         | 10810 | TRATTBERGET      | 634817.3N 0172414.4E (*) | 492          | 2274       | FLG R              | Wind turbine       |
|         | 10811 | TRATTBERGET      | 634803.2N 0172412.8E (*) | 492          | 2211       | FLG R              | Wind turbine       |
|         | 10812 | TRATTBERGET      | 634827.2N 0172445.6E (*) | 492          | 2224       | FLG R              | Wind turbine       |
|         | 10813 | TRATTBERGET      | 634813.9N 0172448.4E (*) | 492          | 2260       | FLG R              | Wind turbine       |
|         | 10814 | TRATTBERGET      | 634753.3N 0172436.7E (*) | 492          | 2198       | FLG R              | Wind turbine       |
|         | 10815 | TRATTBERGET      | 634819.5N 0172514.2E (*) | 492          | 2208       | FLG R              | Wind turbine       |
|         | 10816 | TRATTBERGET      | 634802.8N 0172516.9E (*) | 492          | 2198       | FLG R              | Wind turbine       |
|         | 10817 | TRATTBERGET      | 634811.0N 0172540.9E (*) | 492          | 2182       | FLG R              | Wind turbine       |
|         | 10818 | TRATTBERGET      | 634757.3N 0172559.5E (*) | 492          | 2172       | FLG R              | Wind turbine       |
|         | 10819 | TRATTBERGET      | 634727.7N 0172323.1E (*) | 492          | 2129       | FLG R              | Wind turbine       |
|         | 10820 | TRATTBERGET      | 634714.7N 0172309.5E (*) | 492          | 2100       | FLG R              | Wind turbine       |
|         | 10821 | TRATTBERGET      | 634730.8N 0172355.1E (*) | 492          | 2139       | FLG R              | Wind turbine       |
|         | 10822 | TRATTBERGET      | 634715.7N 0172341.1E (*) | 492          | 2162       | FLG R              | Wind turbine       |
|         | 10823 | TRATTBERGET      | 634724.5N 0172424.5E (*) | 492          | 2152       | FLG R              | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |               |                          |              |            |                    |                    |
|---|-------|---------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation   | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 10824 | TRATTBERGET   | 634711.1N 0172412.5E (*) | 492          | 2133       | FLG R              | Wind turbine       |
|   | 10825 | TRATTBERGET   | 634826.5N 0172145.7E (*) | 492          | 2103       | FLG R              | Wind turbine       |
|   | 10826 | TRATTBERGET   | 634750.7N 0172533.0E (*) | 492          | 2103       | FLG R              | Wind turbine       |
|   | 10827 | TRATTBERGET   | 634803.9N 0172313.0E (*) | 492          | 2096       | FLG R              | Wind turbine       |
|   | 10828 | TRATTBERGET   | 634712.8N 0172443.4E (*) | 492          | 2060       | FLG R              | Wind turbine       |
|   | 10829 | TRATTBERGET   | 634713.3N 0172237.3E (*) | 492          | 2024       | FLG R              | Wind turbine       |
|   | 11526 | SIDENSJÖ      | 631502.8N 0175839.8E     | 384          | 1572       | F R                | Mast               |
|   | 12159 | SIDENSJÖ      | 631458.3N 0175857.1E     | 564          | 1736       | FLG W              | Wind turbine       |
|   | 12160 | SIDENSJÖ      | 631511.3N 0175936.1E     | 564          | 1732       | F R                | Wind turbine       |
|   | 12161 | SIDENSJÖ      | 631525.6N 0175912.0E     | 564          | 1768       | FLG W              | Wind turbine       |
|   | 12473 | RÖDSTAHÖJDEN  | 630628.1N 0170950.0E     | 492          | 1736       | FLG R              | Wind turbine       |
|   | 12474 | RÖDSTAHÖJDEN  | 630625.1N 0170912.6E     | 492          | 1716       | FLG R              | Wind turbine       |
|   | 12475 | RÖDSTAHÖJDEN  | 630607.1N 0170922.8E     | 492          | 1752       | FLG R              | Wind turbine       |
|   | 12476 | RÖDSTAHÖJDEN  | 630546.0N 0170816.2E     | 492          | 1739       | FLG R              | Wind turbine       |
|   | 12477 | RÖDSTAHÖJDEN  | 630550.0N 0170904.5E     | 492          | 1791       | FLG R              | Wind turbine       |
|   | 12478 | RÖDSTAHÖJDEN  | 630540.7N 0170940.7E     | 558          | 1860       | FLG R              | Wind turbine       |
|   | 12958 | HOLMTRÄSK     | 635402.8N 0172401.2E (*) | 591          | 1979       | FLG W              | Wind turbine       |
|   | 12959 | HOLMTRÄSK     | 635406.0N 0172445.0E (*) | 591          | 2060       | F R                | Wind turbine       |
|   | 12960 | HOLMTRÄSK     | 635356.4N 0172534.5E (*) | 591          | 2065       | FLG W              | Wind turbine       |
|   | 12961 | HOLMTRÄSK     | 635347.0N 0172452.3E (*) | 591          | 2128       | F R                | Wind turbine       |
|   | 12962 | HOLMTRÄSK     | 635331.0N 0172519.5E (*) | 591          | 2179       | FLG W              | Wind turbine       |
|   | 12963 | HOLMTRÄSK     | 635302.9N 0172620.9E (*) | 591          | 2261       | F R                | Wind turbine       |
|   | 12964 | HOLMTRÄSK     | 635316.4N 0172553.6E (*) | 591          | 2208       | F R                | Wind turbine       |
|   | 12965 | HOLMTRÄSK     | 635327.5N 0172639.4E (*) | 591          | 2214       | F R                | Wind turbine       |
|   | 12966 | HOLMTRÄSK     | 635234.3N 0172710.2E (*) | 591          | 2283       | FLG W              | Wind turbine       |
|   | 12967 | HOLMTRÄSK     | 635300.2N 0172703.6E (*) | 591          | 2349       | F R                | Wind turbine       |
|   | 12968 | HOLMTRÄSK     | 635248.6N 0172732.8E (*) | 591          | 2420       | F R                | Wind turbine       |
|   | 12969 | HOLMTRÄSK     | 635235.2N 0172756.4E (*) | 591          | 2323       | F R                | Wind turbine       |
|   | 12970 | HOLMTRÄSK     | 635244.5N 0172831.9E (*) | 591          | 2203       | F R                | Wind turbine       |
|   | 12971 | HOLMTRÄSK     | 635230.5N 0172902.5E (*) | 591          | 2229       | F R                | Wind turbine       |
|   | 12972 | HOLMTRÄSK     | 635209.9N 0172821.1E (*) | 591          | 2266       | FLG W              | Wind turbine       |
|   | 12973 | HOLMTRÄSK     | 635212.3N 0172912.0E (*) | 591          | 2333       | F R                | Wind turbine       |
|   | 12974 | HOLMTRÄSK     | 635200.4N 0172943.6E (*) | 591          | 2233       | F R                | Wind turbine       |
|   | 12975 | HOLMTRÄSK     | 635140.5N 0173014.3E (*) | 591          | 2134       | FLG W              | Wind turbine       |
|   | 12976 | HOLMTRÄSK     | 635341.5N 0172756.5E (*) | 591          | 2042       | FLG W              | Wind turbine       |
|   | 12977 | HOLMTRÄSK     | 635315.0N 0172910.1E (*) | 591          | 2152       | F R                | Wind turbine       |
|   | 12978 | HOLMTRÄSK     | 635302.9N 0172941.3E (*) | 591          | 2280       | FLG W              | Wind turbine       |
|   | 12979 | HOLMTRÄSK     | 635248.2N 0173003.1E (*) | 591          | 2211       | FLG W              | Wind turbine       |
|   | 13638 | STIGSHÖJDEN   | 631306.1N 0175920.5E     | 492          | 1772       | FLG R              | Wind turbine       |
|   | 13639 | STIGSHÖJDEN   | 631316.4N 0175848.7E     | 492          | 1857       | FLG R              | Wind turbine       |
|   | 13640 | STIGSHÖJDEN   | 631330.4N 0175815.7E     | 492          | 1873       | FLG R              | Wind turbine       |
|   | 13641 | STIGSHÖJDEN   | 631328.2N 0175944.1E     | 492          | 1729       | FLG R              | Wind turbine       |
|   | 13642 | STIGSHÖJDEN   | 631334.3N 0175913.6E     | 492          | 1814       | FLG R              | Wind turbine       |
|   | 13643 | STIGSHÖJDEN   | 631344.6N 0175842.1E     | 492          | 1880       | FLG R              | Wind turbine       |
|   | 15026 | BLACKFJÄLLET  | 635330.9N 0175936.6E     | 656          | 1919       | FLG W              | Wind turbine       |
|   | 15027 | BLACKFJÄLLET  | 635341.0N 0175810.7E     | 656          | 1897       | F R                | Wind turbine       |
|   | 15028 | BLACKFJÄLLET  | 635354.5N 0175847.3E     | 656          | 1930       | FLG W              | Wind turbine       |
|   | 15029 | BLACKFJÄLLET  | 635401.5N 0175655.2E     | 656          | 2019       | FLG W              | Wind turbine       |
|   | 15030 | BLACKFJÄLLET  | 635341.9N 0175656.5E     | 656          | 2067       | F R                | Wind turbine       |
|   | 15031 | BLACKFJÄLLET  | 635328.0N 0175721.0E     | 656          | 2157       | F R                | Wind turbine       |
|   | 15032 | BLACKFJÄLLET  | 635308.3N 0175657.9E     | 656          | 2161       | FLG W              | Wind turbine       |
|   | 15033 | BLACKFJÄLLET  | 635253.9N 0175726.5E     | 656          | 2291       | FLG W              | Wind turbine       |
|   | 15036 | BLACKFJÄLLET  | 635256.0N 0175916.9E     | 656          | 2206       | F R                | Wind turbine       |
|   | 15037 | BLACKFJÄLLET  | 635308.0N 0175945.6E     | 656          | 2036       | F R                | Wind turbine       |
|   | 15038 | BLACKFJÄLLET  | 635331.5N 0175747.9E     | 656          | 2189       | F R                | Wind turbine       |
|   | 15039 | BLACKFJÄLLET  | 635305.4N 0175809.1E     | 656          | 2192       | F R                | Wind turbine       |
|   | 15040 | BLACKFJÄLLET  | 635253.8N 0175852.2E     | 656          | 2172       | F R                | Wind turbine       |
|   | 15041 | BLACKFJÄLLET  | 635322.5N 0175827.3E     | 656          | 2290       | F R                | Wind turbine       |
|   | 15042 | BLACKFJÄLLET  | 635309.1N 0175850.9E     | 656          | 2326       | F R                | Wind turbine       |
|   | 15043 | BLACKFJÄLLET  | 635336.8N 0175825.9E     | 656          | 2277       | F R                | Wind turbine       |
|   | 15044 | BLACKFJÄLLET  | 635347.5N 0175755.9E     | 656          | 2218       | F R                | Wind turbine       |
|   | 15045 | RÖDSANDTORPET | 634816.1N 0175927.3E     | 656          | 2128       | FLG W              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation          | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|----------------------|--------------------------|--------------|------------|--------------------|--------------------|
|         | 15046 | RÖDSANDTORPET        | 634824.0N 0175901.3E     | 656          | 2254       | F R                | Wind turbine       |
|         | 15047 | RÖDSANDTORPET        | 634836.3N 0175954.6E     | 656          | 2317       | F R                | Wind turbine       |
|         | 15048 | RÖDSANDTORPET        | 634842.7N 0175853.2E     | 656          | 2231       | F R                | Wind turbine       |
|         | 15049 | RÖDSANDTORPET        | 634850.1N 0175930.1E     | 656          | 2156       | FLG W              | Wind turbine       |
|         | 15050 | RÖDSANDTORPET        | 634858.9N 0175835.5E     | 656          | 2176       | F R                | Wind turbine       |
|         | 15051 | RÖDSANDTORPET        | 634829.1N 0175805.5E     | 656          | 2173       | F R                | Wind turbine       |
|         | 15052 | RÖDSANDTORPET        | 634843.9N 0175813.7E     | 656          | 2263       | F R                | Wind turbine       |
|         | 15053 | RÖDSANDTORPET        | 634900.5N 0175736.8E     | 656          | 2199       | F R                | Wind turbine       |
|         | 15054 | RÖDSANDTORPET        | 634909.0N 0175709.2E     | 656          | 2062       | FLG W              | Wind turbine       |
|         | 15055 | RÖDSANDTORPET        | 634908.3N 0175616.9E     | 656          | 1978       | F R                | Wind turbine       |
|         | 15056 | RÖDSANDTORPET        | 634810.3N 0175840.7E     | 656          | 2057       | F R                | Wind turbine       |
|         | 15057 | RÖDSANDTORPET        | 634821.0N 0175742.0E     | 656          | 2136       | F R                | Wind turbine       |
|         | 15058 | RÖDSANDTORPET        | 634801.6N 0175738.9E     | 656          | 2078       | FLG W              | Wind turbine       |
|         | 15059 | RÖDSANDTORPET        | 634831.2N 0175708.4E     | 656          | 2155       | FLG W              | Wind turbine       |
|         | 15060 | RÖDSANDTORPET        | 634821.4N 0175620.2E     | 656          | 2331       | F R                | Wind turbine       |
|         | 15061 | RÖDSANDTORPET        | 634836.3N 0175603.1E     | 656          | 2248       | F R                | Wind turbine       |
|         | 15062 | RÖDSANDTORPET        | 634835.0N 0175514.3E     | 656          | 2265       | F R                | Wind turbine       |
|         | 15063 | RÖDSANDTORPET        | 634847.9N 0175505.8E     | 656          | 2308       | F R                | Wind turbine       |
|         | 15064 | RÖDSANDTORPET        | 634847.7N 0175546.2E     | 656          | 2241       | F R                | Wind turbine       |
|         | 15065 | RÖDSANDTORPET        | 634906.9N 0175449.7E     | 656          | 2023       | FLG W              | Wind turbine       |
|         | 15066 | RÖDSANDTORPET        | 634849.4N 0175406.0E     | 656          | 2119       | F R                | Wind turbine       |
|         | 15067 | RÖDSANDTORPET        | 634853.6N 0175332.1E     | 656          | 2169       | F R                | Wind turbine       |
|         | 15068 | RÖDSANDTORPET        | 634854.5N 0175300.1E     | 656          | 2146       | FLG W              | Wind turbine       |
|         | 15069 | RÖDSANDTORPET        | 634820.4N 0175517.1E     | 656          | 2408       | FLG W              | Wind turbine       |
|         | 15070 | RÖDSANDTORPET        | 634810.4N 0175536.4E     | 656          | 2338       | FLG W              | Wind turbine       |
|         | 15071 | RÖDSANDTORPET        | 634834.5N 0175413.3E     | 656          | 2243       | F R                | Wind turbine       |
|         | 15072 | RÖDSANDTORPET        | 634813.9N 0175447.2E     | 656          | 2218       | F R                | Wind turbine       |
|         | 15073 | RÖDSANDTORPET        | 634822.2N 0175345.7E     | 656          | 2251       | F R                | Wind turbine       |
|         | 15074 | RÖDSANDTORPET        | 634820.3N 0175308.4E     | 656          | 2302       | F R                | Wind turbine       |
|         | 15075 | RÖDSANDTORPET        | 634806.6N 0175340.3E     | 656          | 2091       | FLG W              | Wind turbine       |
|         | 15076 | RÖDSANDTORPET        | 634755.8N 0175305.5E     | 656          | 2140       | F R                | Wind turbine       |
|         | 15077 | RÖDSANDTORPET        | 634759.6N 0175231.3E     | 656          | 2203       | F R                | Wind turbine       |
|         | 15078 | RÖDSANDTORPET        | 634812.3N 0175246.9E     | 656          | 2189       | F R                | Wind turbine       |
|         | 15079 | RÖDSANDTORPET        | 634811.4N 0175145.6E     | 656          | 2104       | F R                | Wind turbine       |
|         | 15080 | RÖDSANDTORPET        | 634757.4N 0175146.6E     | 656          | 2060       | FLG W              | Wind turbine       |
|         | 15081 | RÖDSANDTORPET        | 634834.2N 0175256.8E     | 656          | 2287       | F R                | Wind turbine       |
|         | 15082 | RÖDSANDTORPET        | 634829.1N 0175222.9E     | 656          | 2267       | F R                | Wind turbine       |
|         | 15083 | RÖDSANDTORPET        | 634827.5N 0175146.9E     | 656          | 2194       | FLG W              | Wind turbine       |
|         | 15084 | RÖDSANDTORPET        | 634846.0N 0175219.2E     | 656          | 2155       | F R                | Wind turbine       |
| 63N 18E | 510   | ÖRNSKÖLDSVIK/ÅS      | 631809.2N 0183938.7E     | 561          | 1271       | F R/FLG W          | Mast               |
|         | 10672 | BJÖRNA               | 633334.3N 0184355.0E (*) | 387          | 1552       | F R                | Mast               |
|         | 11856 | STORHÖJDEN           | 630931.3N 0180035.0E     | 394          | 1679       | F R                | Mast               |
|         | 11860 | SIDENSJÖ BRANDBERGET | 631804.3N 0180510.0E     | 564          | 1657       | FLG W              | Wind turbine       |
|         | 11861 | SIDENSJÖ BRANDBERGET | 631817.4N 0180552.7E     | 564          | 1585       | F R                | Wind turbine       |
|         | 11862 | SIDENSJÖ BRANDBERGET | 631830.4N 0180630.3E     | 564          | 1588       | FLG W              | Wind turbine       |
|         | 11863 | SIDENSJÖ BRANDBERGET | 631753.2N 0180558.4E     | 564          | 1572       | F R                | Wind turbine       |
|         | 11864 | SIDENSJÖ BRANDBERGET | 631807.3N 0180628.8E     | 564          | 1637       | F R                | Wind turbine       |
|         | 11865 | SIDENSJÖ BRANDBERGET | 631818.5N 0180703.7E     | 564          | 1637       | F R                | Wind turbine       |
|         | 11866 | SIDENSJÖ BRANDBERGET | 631750.2N 0180637.0E     | 564          | 1650       | FLG W              | Wind turbine       |
|         | 11867 | SIDENSJÖ BRANDBERGET | 631801.4N 0180719.9E     | 564          | 1650       | F R                | Wind turbine       |
|         | 11868 | SIDENSJÖ BRANDBERGET | 631811.9N 0180749.0E     | 564          | 1601       | F R                | Wind turbine       |
|         | 11869 | SIDENSJÖ BRANDBERGET | 631745.4N 0180720.5E     | 564          | 1621       | F R                | Wind turbine       |
|         | 11870 | SIDENSJÖ BRANDBERGET | 631755.3N 0180804.3E     | 564          | 1663       | F R                | Wind turbine       |
|         | 11871 | SIDENSJÖ BRANDBERGET | 631813.1N 0180843.3E     | 564          | 1667       | FLG W              | Wind turbine       |
|         | 11872 | SIDENSJÖ BRANDBERGET | 631754.5N 0180847.7E     | 564          | 1732       | F R                | Wind turbine       |
|         | 11873 | SIDENSJÖ BRANDBERGET | 631807.9N 0180923.8E     | 564          | 1650       | FLG W              | Wind turbine       |
|         | 11874 | SIDENSJÖ BRANDBERGET | 631735.5N 0180905.4E     | 564          | 1693       | FLG W              | Wind turbine       |
|         | 11875 | SIDENSJÖ BRANDBERGET | 631742.7N 0180944.7E     | 564          | 1752       | FLG W              | Wind turbine       |
|         | 11876 | SIDENSJÖ BRANDBERGET | 631758.4N 0180954.0E     | 564          | 1644       | F R                | Wind turbine       |
|         | 12162 | SIDENSJÖ             | 631555.2N 0180013.2E     | 564          | 1581       | FLG W              | Wind turbine       |
|         | 12163 | SIDENSJÖ             | 631548.3N 0180053.7E     | 564          | 1640       | F R                | Wind turbine       |
|         | 12164 | SIDENSJÖ             | 631604.1N 0180115.3E     | 564          | 1598       | FLG W              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |              |                          |              |            |                    |                    |
|---|-------|--------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation  | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 12165 | SIDENSJÖ     | 631540.1N 0180138.8E     | 564          | 1637       | F R                | Wind turbine       |
|   | 12166 | SIDENSJÖ     | 631556.6N 0180205.9E     | 564          | 1647       | F R                | Wind turbine       |
|   | 12167 | SIDENSJÖ     | 631535.4N 0180220.5E     | 564          | 1647       | F R                | Wind turbine       |
|   | 12168 | SIDENSJÖ     | 631528.9N 0180310.9E     | 564          | 1732       | F R                | Wind turbine       |
|   | 12169 | SIDENSJÖ     | 631548.2N 0180332.2E     | 564          | 1650       | F R                | Wind turbine       |
|   | 12170 | SIDENSJÖ     | 631523.1N 0180403.0E     | 564          | 1627       | F R                | Wind turbine       |
|   | 12171 | SIDENSJÖ     | 631537.3N 0180450.2E     | 564          | 1575       | F R                | Wind turbine       |
|   | 12172 | SIDENSJÖ     | 631517.3N 0180448.5E     | 564          | 1575       | F R                | Wind turbine       |
|   | 12173 | SIDENSJÖ     | 631532.7N 0180544.0E     | 564          | 1555       | FLG W              | Wind turbine       |
|   | 12174 | SIDENSJÖ     | 631458.4N 0180526.4E     | 564          | 1581       | F R                | Wind turbine       |
|   | 12175 | SIDENSJÖ     | 631507.4N 0180326.0E     | 564          | 1663       | F R                | Wind turbine       |
|   | 12176 | SIDENSJÖ     | 631448.4N 0180349.3E     | 564          | 1647       | F R                | Wind turbine       |
|   | 12177 | SIDENSJÖ     | 631429.3N 0180415.0E     | 564          | 1614       | F R                | Wind turbine       |
|   | 12178 | SIDENSJÖ     | 631451.3N 0180138.6E     | 564          | 1719       | F R                | Wind turbine       |
|   | 12179 | SIDENSJÖ     | 631425.5N 0180133.9E     | 564          | 1765       | FLG W              | Wind turbine       |
|   | 12180 | SIDENSJÖ     | 631439.4N 0180219.0E     | 564          | 1742       | F R                | Wind turbine       |
|   | 12181 | SIDENSJÖ     | 631416.2N 0180209.5E     | 564          | 1785       | FLG W              | Wind turbine       |
|   | 12182 | SIDENSJÖ     | 631405.2N 0180243.2E     | 564          | 1742       | FLG W              | Wind turbine       |
|   | 12183 | SIDENSJÖ     | 631416.6N 0180501.5E     | 564          | 1670       | FLG W              | Wind turbine       |
|   | 12184 | SIDENSJÖ     | 631424.2N 0180539.1E     | 564          | 1608       | FLG W              | Wind turbine       |
|   | 12185 | SIDENSJÖ     | 631446.3N 0180852.2E     | 564          | 1467       | FLG W              | Wind turbine       |
|   | 12186 | SIDENSJÖ     | 631458.6N 0180917.4E     | 564          | 1453       | F R                | Wind turbine       |
|   | 12187 | SIDENSJÖ     | 631449.8N 0181006.0E     | 564          | 1388       | FLG W              | Wind turbine       |
|   | 12188 | SIDENSJÖ     | 631551.4N 0180250.4E     | 564          | 1742       | FLG W              | Wind turbine       |
|   | 12189 | SIDENSJÖ     | 631513.2N 0180851.1E     | 564          | 1427       | FLG W              | Wind turbine       |
|   | 13548 | ÅLIDEN       | 634440.6N 0184951.6E (*) | 655          | 1832       | FLG W              | Wind turbine       |
|   | 13549 | ÅLIDEN       | 634430.2N 0184930.3E (*) | 655          | 1947       | FLG W              | Wind turbine       |
|   | 13550 | ÅLIDEN       | 634423.7N 0185020.6E (*) | 655          | 1895       | FLG W              | Wind turbine       |
|   | 13551 | ÅLIDEN       | 634413.7N 0184959.6E (*) | 655          | 1965       | FLG W              | Wind turbine       |
|   | 13552 | ÅLIDEN       | 634411.3N 0184918.9E (*) | 655          | 1946       | FLG W              | Wind turbine       |
|   | 13553 | ÅLIDEN       | 634403.3N 0185052.3E (*) | 655          | 1915       | FLG W              | Wind turbine       |
|   | 13554 | ÅLIDEN       | 634355.3N 0185023.3E (*) | 655          | 1885       | F R                | Wind turbine       |
|   | 13555 | ÅLIDEN       | 634326.6N 0185120.5E (*) | 655          | 1781       | FLG W              | Wind turbine       |
|   | 13556 | ÅLIDEN       | 634311.0N 0185155.9E (*) | 655          | 1725       | FLG W              | Wind turbine       |
|   | 13557 | ÅLIDEN       | 634252.2N 0185124.0E (*) | 655          | 1620       | F R                | Wind turbine       |
|   | 13558 | ÅLIDEN       | 634248.0N 0185040.5E (*) | 655          | 1719       | FLG W              | Wind turbine       |
|   | 13559 | ÅLIDEN       | 634232.9N 0185202.1E (*) | 655          | 1618       | FLG W              | Wind turbine       |
|   | 14077 | BRATTMYLIDEN | 633912.0N 0185846.6E (*) | 656          | 1680       | FLG W              | Wind turbine       |
|   | 14079 | BRATTMYLIDEN | 633856.0N 0185928.2E (*) | 656          | 1768       | FLG W              | Wind turbine       |
|   | 14081 | BRATTMYLIDEN | 633903.0N 0185806.0E (*) | 656          | 1693       | FLG W              | Wind turbine       |
|   | 14082 | BRATTMYLIDEN | 633847.8N 0185900.6E (*) | 656          | 1798       | FLG W              | Wind turbine       |
|   | 14084 | BRATTMYLIDEN | 633814.5N 0185942.6E (*) | 656          | 1745       | FLG W              | Wind turbine       |
|   | 14085 | BRATTMYLIDEN | 633814.2N 0185754.7E (*) | 656          | 1683       | FLG W              | Wind turbine       |
|   | 14089 | BRATTMYLIDEN | 633752.0N 0185913.6E (*) | 656          | 1742       | FLG W              | Wind turbine       |
|   | 14090 | BRATTMYLIDEN | 633744.7N 0185821.8E (*) | 656          | 1650       | F R                | Wind turbine       |
|   | 14091 | BRATTMYLIDEN | 633737.3N 0185755.0E (*) | 656          | 1614       | FLG W              | Wind turbine       |
|   | 14094 | BRATTMYLIDEN | 633710.9N 0185849.0E (*) | 656          | 1663       | FLG W              | Wind turbine       |
|   | 15023 | BLACKFJÄLLET | 635254.5N 0180121.4E     | 656          | 2087       | FLG W              | Wind turbine       |
|   | 15024 | BLACKFJÄLLET | 635310.6N 0180054.7E     | 656          | 1955       | F R                | Wind turbine       |
|   | 15025 | BLACKFJÄLLET | 635322.4N 0180005.3E     | 656          | 1921       | F R                | Wind turbine       |
|   | 15034 | BLACKFJÄLLET | 635240.8N 0180049.6E     | 656          | 2083       | FLG W              | Wind turbine       |
|   | 15035 | BLACKFJÄLLET | 635254.2N 0180007.2E     | 656          | 2113       | F R                | Wind turbine       |
|   | 16309 | ÅSBERGET     | 631809.5N 0183940.0E     | 348          | 1053       | unknown            | Mast               |
| 63N 19E   | 514   | VÄNNÄS       | 635025.3N 0194921.6E     | 1060         | 1858       | F R/FLG W          | Mast               |
|   | 690   | HUSUM 2      | 631931.4N 0190937.4E     | 361          | 387        | F R                | Chimney            |
|   | 9324  | HÖRNEFORS    | 633731.5N 0195812.6E     | 456          | 494        | FLG R              | Wind turbine       |
|   | 9325  | HÖRNEFORS    | 633743.3N 0195807.1E     | 456          | 495        | FLG R              | Wind turbine       |
|   | 9326  | HÖRNEFORS    | 633755.9N 0195804.2E     | 456          | 499        | FLG R              | Wind turbine       |
|   | 9327  | HÖRNEFORS    | 633740.6N 0195712.5E     | 456          | 509        | FLG R              | Wind turbine       |
|   | 9328  | HÖRNEFORS    | 633751.6N 0195708.7E     | 456          | 531        | FLG R              | Wind turbine       |
|   | 9329  | HÖRNEFORS    | 633805.7N 0195702.3E     | 456          | 538        | FLG R              | Wind turbine       |
|   | 9672  | HÖRNEFORS    | 633819.0N 0195757.8E     | 492          | 548        | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                       |                          |              |            |                    |                    |
|---|-------|-----------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation           | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 9673  | HÖRNEFORS             | 633807.4N 0195800.9E     | 492          | 545        | FLG R              | Wind turbine       |
|   | 9674  | HÖRNEFORS             | 633832.1N 0195756.4E     | 492          | 548        | FLG R              | Wind turbine       |
|   | 9675  | HÖRNEFORS             | 633843.9N 0195755.0E     | 492          | 551        | FLG R              | Wind turbine       |
|   | 9676  | HÖRNEFORS             | 633815.9N 0195657.5E     | 492          | 581        | FLG R              | Wind turbine       |
|   | 9814  | GABRIELSBERGET        | 633127.2N 0191633.7E     | 489          | 1181       | FLG R              | Wind turbine       |
|   | 9834  | GABRIELSBERGET        | 633136.5N 0191643.2E     | 489          | 1161       | FLG R              | Wind turbine       |
|   | 9835  | GABRIELSBERGET        | 633149.1N 0191532.8E     | 489          | 1220       | FLG R              | Wind turbine       |
|   | 9836  | GABRIELSBERGET        | 633141.6N 0191559.9E     | 489          | 1194       | FLG R              | Wind turbine       |
|   | 9837  | GABRIELSBERGET        | 633208.9N 0191534.9E     | 489          | 1207       | FLG R              | Wind turbine       |
|   | 9838  | GABRIELSBERGET        | 633201.1N 0191618.7E     | 489          | 1227       | FLG R              | Wind turbine       |
|   | 9911  | NYLAND/GABRIELSBERGET | 633127.4N 0191558.7E     | 489          | 1168       | FLG R              | Wind turbine       |
|   | 9912  | GABRIELSBERGET        | 633207.1N 0191718.2E     | 489          | 1188       | FLG R              | Wind turbine       |
|   | 9913  | GABRIELSBERGET        | 633208.0N 0191651.2E     | 489          | 1184       | FLG R              | Wind turbine       |
|   | 9914  | NYLAND/GABRIELSBERGET | 633206.7N 0191346.1E     | 489          | 1168       | FLG R              | Wind turbine       |
|   | 9928  | LÖGDEÅ                | 633219.6N 0191733.3E     | 489          | 1149       | FLG R              | Wind turbine       |
|   | 9929  | LÖGDEÅ                | 633223.6N 0191711.4E     | 489          | 1191       | FLG R              | Wind turbine       |
|   | 9967  | LÖGDEÅ                | 633200.6N 0191705.5E     | 489          | 1176       | FLG R              | Wind turbine       |
|   | 10001 | GABRIELSBERGET        | 633155.0N 0191459.2E     | 489          | 1197       | FLG R              | Wind turbine       |
|   | 10002 | GABRIELSBERGET        | 633209.0N 0191456.6E     | 489          | 1200       | FLG R              | Wind turbine       |
|   | 10003 | GABRIELSBERGET        | 633214.9N 0191418.8E     | 489          | 1201       | FLG R              | Wind turbine       |
|   | 10004 | GABRIELSBERGET        | 633226.5N 0191434.8E     | 489          | 1230       | FLG R              | Wind turbine       |
|   | 10005 | GABRIELSBERGET        | 633219.2N 0191342.6E     | 489          | 1188       | FLG R              | Wind turbine       |
|   | 10006 | GABRIELSBERGET        | 633216.6N 0191618.2E     | 489          | 1204       | FLG R              | Wind turbine       |
|   | 10007 | GABRIELSBERGET        | 633131.9N 0191702.0E     | 489          | 1125       | FLG R              | Wind turbine       |
|   | 10526 | GABRIELSBERGET        | 633303.2N 0191326.8E     | 489          | 1240       | FLG R              | Wind turbine       |
|   | 10527 | GABRIELSBERGET        | 633257.4N 0191524.0E     | 489          | 1178       | FLG R              | Wind turbine       |
|   | 10528 | GABRIELSBERGET        | 633309.2N 0191727.9E     | 489          | 1122       | FLG R              | Wind turbine       |
|   | 10529 | GABRIELSBERGET        | 633252.4N 0191544.5E     | 489          | 1201       | FLG R              | Wind turbine       |
|   | 10530 | GABRIELSBERGET        | 633242.1N 0191550.5E     | 489          | 1204       | FLG R              | Wind turbine       |
|   | 10531 | GABRIELSBERGET        | 633230.4N 0191606.7E     | 489          | 1214       | FLG R              | Wind turbine       |
|   | 10532 | GABRIELSBERGET        | 633241.0N 0191735.1E     | 489          | 1165       | FLG R              | Wind turbine       |
|   | 10533 | GABRIELSBERGET        | 633249.9N 0191817.3E     | 489          | 1129       | FLG R              | Wind turbine       |
|   | 10534 | GABRIELSBERGET        | 633257.0N 0191703.1E     | 489          | 1132       | FLG R              | Wind turbine       |
|   | 10535 | GABRIELSBERGET        | 633238.0N 0191424.8E     | 489          | 1220       | FLG R              | Wind turbine       |
|   | 10536 | GABRIELSBERGET        | 633250.7N 0191419.5E     | 489          | 1217       | FLG R              | Wind turbine       |
|   | 10537 | GABRIELSBERGET        | 633240.7N 0191350.9E     | 489          | 1201       | FLG R              | Wind turbine       |
|   | 10538 | GABRIELSBERGET        | 633248.6N 0191332.2E     | 489          | 1227       | FLG R              | Wind turbine       |
|   | 10539 | GABRIELSBERGET        | 633311.6N 0191430.6E     | 489          | 1198       | FLG R              | Wind turbine       |
|   | 10540 | GABRIELSBERGET        | 633324.7N 0191450.2E     | 489          | 1184       | FLG R              | Wind turbine       |
|   | 10541 | GABRIELSBERGET        | 633305.4N 0191354.1E     | 489          | 1230       | FLG R              | Wind turbine       |
|   | 11442 | GABRIELSBERGET        | 633342.9N 0191411.6E     | 489          | 1168       | FLG R              | Wind turbine       |
|   | 11443 | GABRIELSBERGET        | 633330.2N 0191416.4E     | 489          | 1187       | FLG R              | Wind turbine       |
|   | 11444 | GABRIELSBERGET        | 633327.9N 0191340.3E     | 489          | 1220       | FLG R              | Wind turbine       |
|   | 11445 | GABRIELSBERGET        | 633320.4N 0191346.8E     | 489          | 1211       | FLG R              | Wind turbine       |
|   | 12522 | NORDMALING            | 633053.1N 0191735.6E     | 394          | 957        | F R                | Mast               |
|   | 14078 | BRATTMYLIDEN          | 633905.5N 0190034.4E (*) | 656          | 1647       | FLG W              | Wind turbine       |
|   | 14080 | BRATTMYLIDEN          | 633834.9N 0190106.4E (*) | 656          | 1765       | FLG W              | Wind turbine       |
|   | 14083 | BRATTMYLIDEN          | 633828.3N 0190023.5E (*) | 656          | 1755       | FLG W              | Wind turbine       |
|   | 14086 | BRATTMYLIDEN          | 633825.9N 0190157.8E (*) | 656          | 1759       | FLG W              | Wind turbine       |
|   | 14087 | BRATTMYLIDEN          | 633808.1N 0190218.9E     | 656          | 1736       | FLG W              | Wind turbine       |
|   | 14088 | BRATTMYLIDEN          | 633756.3N 0190135.0E (*) | 656          | 1650       | F R                | Wind turbine       |
|   | 14092 | BRATTMYLIDEN          | 633731.7N 0190102.8E (*) | 656          | 1680       | F R                | Wind turbine       |
|   | 14093 | BRATTMYLIDEN          | 633730.1N 0190017.0E (*) | 656          | 1749       | FLG W              | Wind turbine       |
|   | 14095 | BRATTMYLIDEN          | 633703.1N 0190022.4E (*) | 656          | 1696       | FLG W              | Wind turbine       |
|   | 14817 | HUSUM                 | 631933.0N 0190944.1E     | 401          | 416        | FLG R              | Chimney            |
| 63N 20E   | 3849  | DÅVAMYRAN             | 635204.8N 0202435.9E     | 331          | 433        | F R                | Chimney            |
|   | 8483  | HOLMSUND              | 634022.6N 0202019.1E     | 410          | 423        | FLG R              | Wind turbine       |
|   | 9177  | HOLMSUND              | 634028.2N 0202003.3E     | 410          | 410        | F R                | Wind turbine       |
|   | 9432  | HOLMSUND              | 633918.2N 0202339.2E     | 335          | 347        | F R                | Mast               |
|   | 14424 | SÅVAR                 | 635401.2N 0204017.8E     | 476          | 574        | F R                | Mast               |
| 64N 15E   | 8275  | HARRSJÖN              | 642323.5N 0152359.4E (*) | 335          | 2549       | F R                | Wind turbine       |
|   | 9044  | KOMMERBERGET          | 642333.0N 0152412.7E (*) | 338          | 2448       | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |      |              |                          |              |            |                    |                    |
|---|------|--------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No   | Designation  | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 9045 | KOMMERBERGET | 642330.9N 0152354.5E (*) | 338          | 2451       | FLG R              | Wind turbine       |
|   | 9156 | BLIEKEVARE   | 643857.9N 0153257.1E (*) | 410          | 2723       | FLG R              | Wind turbine       |
|   | 9157 | BLIEKEVARE   | 643844.0N 0153252.2E (*) | 410          | 2772       | F R                | Wind turbine       |
|   | 9158 | BLIEKEVARE   | 643900.9N 0153335.0E (*) | 410          | 2625       | FLG R              | Wind turbine       |
|   | 9159 | BLIEKEVARE   | 643847.9N 0153325.0E (*) | 410          | 2756       | F R                | Wind turbine       |
|   | 9160 | BLIEKEVARE   | 643835.5N 0153318.0E (*) | 410          | 2789       | FLG R              | Wind turbine       |
|   | 9161 | BLIEKEVARE   | 643823.7N 0153304.6E (*) | 410          | 2740       | F R                | Wind turbine       |
|   | 9162 | BLIEKEVARE   | 643900.9N 0153413.1E (*) | 410          | 2608       | FLG R              | Wind turbine       |
|   | 9163 | BLIEKEVARE   | 643850.1N 0153442.8E (*) | 410          | 2707       | FLG R              | Wind turbine       |
|   | 9164 | BLIEKEVARE   | 643849.4N 0153405.5E (*) | 410          | 2789       | F R                | Wind turbine       |
|   | 9165 | BLIEKEVARE   | 643836.3N 0153403.0E (*) | 410          | 2854       | F R                | Wind turbine       |
|   | 9166 | BLIEKEVARE   | 643824.1N 0153402.0E (*) | 410          | 2789       | FLG R              | Wind turbine       |
|   | 9167 | BLIEKEVARE   | 643813.7N 0153335.2E (*) | 410          | 2723       | F R                | Wind turbine       |
|   | 9168 | BLIEKEVARE   | 643800.1N 0153338.1E (*) | 410          | 2822       | FLG R              | Wind turbine       |
|   | 9169 | BLIEKEVARE   | 643749.5N 0153315.0E (*) | 410          | 2789       | FLG R              | Wind turbine       |
|   | 9170 | BLIEKEVARE   | 643755.5N 0153249.8E (*) | 410          | 2789       | F R                | Wind turbine       |
|   | 9171 | BLIEKEVARE   | 643809.0N 0153248.2E (*) | 410          | 2723       | FLG R              | Wind turbine       |
|   | 9172 | BLIEKEVARE   | 643840.4N 0153426.5E (*) | 410          | 2740       | F R                | Wind turbine       |
|   | 9173 | BLIEKEVARE   | 643802.5N 0153311.7E (*) | 410          | 2772       | F R                | Wind turbine       |
|   | 9515 | ALAVATTNET   | 640205.5N 0153906.5E (*) | 476          | 2172       | FLG R              | Wind turbine       |
|   | 9516 | ALAVATTNET   | 640221.0N 0153859.4E (*) | 476          | 2126       | FLG R              | Wind turbine       |
|   | 9517 | ALAVATTNET   | 640231.1N 0153914.0E (*) | 476          | 2136       | FLG R              | Wind turbine       |
|   | 9518 | ALAVATTNET   | 640239.3N 0153921.6E (*) | 476          | 2146       | FLG R              | Wind turbine       |
|   | 9519 | ALAVATTNET   | 640244.1N 0153943.1E (*) | 476          | 2169       | FLG R              | Wind turbine       |
|   | 9520 | URSÅSEN      | 640217.8N 0154009.5E (*) | 476          | 2211       | FLG R              | Wind turbine       |
|   | 9521 | URSÅSEN      | 640206.7N 0153930.5E (*) | 476          | 2231       | FLG R              | Wind turbine       |
|   | 9522 | URSÅSEN      | 640208.7N 0153952.4E (*) | 476          | 2221       | FLG R              | Wind turbine       |
|   | 9523 | URSÅSEN      | 640231.0N 0153945.3E (*) | 476          | 2208       | FLG R              | Wind turbine       |
|   | 9524 | URSÅSEN      | 640236.6N 0154016.1E (*) | 476          | 2175       | FLG R              | Wind turbine       |
|   | 9525 | URSÅSEN      | 640219.2N 0153931.7E (*) | 476          | 2241       | FLG R              | Wind turbine       |
|   | 9565 | TORPET       | 640134.3N 0154427.6E (*) | 476          | 2146       | FLG R              | Wind turbine       |
|   | 9566 | TORPET       | 640132.7N 0154456.0E (*) | 476          | 2169       | FLG R              | Wind turbine       |
|   | 9567 | TORPET       | 640153.1N 0154515.1E (*) | 476          | 2103       | FLG R              | Wind turbine       |
|   | 9568 | URSÅSEN      | 640153.3N 0154548.7E (*) | 476          | 2126       | FLG R              | Wind turbine       |
|   | 9569 | TORPET       | 640207.7N 0154519.5E (*) | 476          | 2139       | FLG R              | Wind turbine       |
|   | 9570 | TORPET       | 640209.3N 0154555.3E (*) | 476          | 2165       | FLG R              | Wind turbine       |
|   | 9571 | TORPET       | 640204.1N 0154631.1E (*) | 476          | 2106       | FLG R              | Wind turbine       |
|   | 9572 | TORPET       | 640215.6N 0154453.2E (*) | 476          | 2192       | FLG R              | Wind turbine       |
|   | 9573 | TORPET       | 640221.8N 0154519.7E (*) | 476          | 2152       | FLG R              | Wind turbine       |
|   | 9574 | TORPET       | 640231.1N 0154547.7E (*) | 476          | 2149       | FLG R              | Wind turbine       |
|   | 9575 | TORPET       | 640220.4N 0154554.8E (*) | 476          | 2133       | FLG R              | Wind turbine       |
|   | 9576 | TORPET       | 640236.3N 0154613.9E (*) | 476          | 2182       | FLG R              | Wind turbine       |
|   | 9577 | TORPET       | 640246.3N 0154618.6E (*) | 476          | 2182       | FLG R              | Wind turbine       |
|   | 9578 | TORPET       | 640257.8N 0154610.1E (*) | 476          | 2185       | FLG R              | Wind turbine       |
|   | 9579 | TORPET       | 640310.0N 0154611.0E (*) | 476          | 2175       | FLG R              | Wind turbine       |
|   | 9580 | TORPET       | 640319.5N 0154614.6E (*) | 476          | 2142       | FLG R              | Wind turbine       |
|   | 9635 | ALAVATTNET   | 640635.0N 0154201.3E (*) | 476          | 2238       | FLG R              | Wind turbine       |
|   | 9636 | ALAVATTNET   | 640644.7N 0154217.4E (*) | 476          | 2188       | F R                | Wind turbine       |
|   | 9637 | ALAVATTNET   | 640634.6N 0154239.7E (*) | 476          | 2264       | F R                | Wind turbine       |
|   | 9638 | ALAVATTNET   | 640643.9N 0154249.7E (*) | 476          | 2231       | FLG R              | Wind turbine       |
|   | 9639 | ALAVATTNET   | 640626.0N 0154220.7E (*) | 476          | 2254       | F R                | Wind turbine       |
|   | 9640 | ALAVATTNET   | 640623.5N 0154351.3E (*) | 476          | 2369       | F R                | Wind turbine       |
|   | 9641 | ALAVATTNET   | 640637.2N 0154441.0E (*) | 476          | 2359       | FLG R              | Wind turbine       |
|   | 9642 | ALAVATTNET   | 640631.1N 0154422.9E (*) | 476          | 2388       | F R                | Wind turbine       |
|   | 9643 | ALAVATTNET   | 640607.3N 0154308.6E (*) | 476          | 2362       | FLG R              | Wind turbine       |
|   | 9644 | ALAVATTNET   | 640619.4N 0154447.9E (*) | 476          | 2385       | F R                | Wind turbine       |
|   | 9645 | ALAVATTNET   | 640529.1N 0154313.2E (*) | 476          | 2405       | FLG R              | Wind turbine       |
|   | 9646 | ALAVATTNET   | 640540.7N 0154315.8E (*) | 476          | 2461       | F R                | Wind turbine       |
|   | 9647 | ALAVATTNET   | 640552.7N 0154330.2E (*) | 476          | 2493       | F R                | Wind turbine       |
|   | 9648 | ALAVATTNET   | 640541.4N 0154350.1E (*) | 476          | 2497       | F R                | Wind turbine       |
|   | 9649 | ALAVATTNET   | 640548.1N 0154402.7E (*) | 476          | 2520       | F R                | Wind turbine       |
|   | 9650 | ALAVATTNET   | 640532.8N 0154405.3E (*) | 476          | 2572       | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |               |                          |                          |                          |            |                    |                    |
|---|---------------|--------------------------|--------------------------|--------------------------|------------|--------------------|--------------------|
| Area  | No            | Designation              | Coordinates              | Height<br>ft             | Elev<br>ft | Light<br>Character | Types of obstacles |
| 64N 16E   | 9651          | ALAVATTNET               | 640536.8N 0154430.8E (*) | 476                      | 2549       | F R                | Wind turbine       |
|   | 9652          | ALAVATTNET               | 640545.3N 0154444.4E (*) | 476                      | 2526       | F R                | Wind turbine       |
|   | 9653          | ALAVATTNET               | 640556.6N 0154447.4E (*) | 476                      | 2497       | F R                | Wind turbine       |
|   | 9654          | ALAVATTNET               | 640602.9N 0154510.0E (*) | 476                      | 2484       | FLG R              | Wind turbine       |
|   | 9655          | ALAVATTNET               | 640542.4N 0154510.3E (*) | 476                      | 2493       | FLG R              | Wind turbine       |
| 64N 17E   | 13092         | TÅSJÖ                    | 641357.9N 0155608.1E (*) | 963                      | 3020       | F R/FLG W          | Mast               |
|   | 11255         | HEMBERGET                | 640553.6N 0163556.7E (*) | 328                      | 1877       | F R                | Mast               |
|   | 12455         | STORUMAN                 | 645837.2N 0164432.4E (*) | 591                      | 2231       | FLG W              | Mast               |
| 64N 18E   | 8934          | SKARVSJÖBY               | 645845.4N 0170408.3E (*) | 338                      | 2110       | F R                | Wind turbine       |
|   | 9151          | STORBERGSKULLEN          | 641427.0N 0170507.8E (*) | 328                      | 2231       | F R                | Mast               |
|   | 9995          | LEDNINGSVALL             | 642717.4N 0175745.1E     | 407                      | 2343       | F R                | Mast               |
|   | 10096         | LATIKBERGET              | 643929.3N 0170330.3E (*) | 420                      | 2323       | FLG R              | Wind turbine       |
|   | 10458         | PAULIDEN                 | 644919.7N 0173420.6E (*) | 394                      | 2169       | F R                | Mast               |
|   | 10459         | RÅFTBERGET               | 644832.1N 0172127.9E (*) | 394                      | 2306       | F R                | Mast               |
|   | 10696         | VÄSTER-STORSJÖ           | 640840.6N 0173426.8E (*) | 394                      | 2080       | F R                | Mast               |
|   | 11018         | RISTRÅSK                 | 644442.5N 0172358.6E (*) | 328                      | 2372       | FLG R              | Wind turbine       |
|   | 14126         | ÅSELE                    | 641413.2N 0171349.8E (*) | 492                      | 2178       | F R                | Wind turbine       |
|   | 14127         | ÅSELE                    | 641400.0N 0171338.4E (*) | 492                      | 2244       | F R                | Wind turbine       |
|   | 14128         | ÅSELE                    | 641352.4N 0171402.6E (*) | 492                      | 2198       | F R                | Wind turbine       |
|   | 64N 18E       | 14129                    | ÅSELE                    | 641339.1N 0171415.9E (*) | 492        | 2087               | F R                |
| 533   |               | LYCKSELE/KNAFTEN         | 642849.0N 0183505.1E     | 1070                     | 2600       | F R/FLG W          | Mast               |
| 2838  |               | BÅLFORSEN                | 643946.0N 0182302.2E     | 404                      | 1653       | F R                | Mast               |
| 9855  |               | STOR-ROTLIDEN            | 641237.0N 0182317.7E (*) | 459                      | 2156       | FLG R              | Wind turbine       |
| 9856  |               | STOR-ROTLIDEN            | 641300.1N 0182344.4E (*) | 459                      | 2215       | FLG R              | Wind turbine       |
| 9857  |               | STOR-ROTLIDEN            | 641245.8N 0182343.3E (*) | 459                      | 2133       | FLG R              | Wind turbine       |
| 9858  |               | STOR-ROTLIDEN            | 641401.5N 0182348.1E (*) | 459                      | 2238       | FLG R              | Wind turbine       |
| 9859  |               | STOR-ROTLIDEN            | 641342.1N 0182313.4E (*) | 459                      | 2244       | FLG R              | Wind turbine       |
| 9860  |               | STOR-ROTLIDEN            | 641338.5N 0182237.1E (*) | 459                      | 2254       | F R                | Wind turbine       |
| 9861  |               | STOR-ROTLIDEN            | 641326.1N 0182243.9E (*) | 459                      | 2277       | FLG R              | Wind turbine       |
| 9862  |               | STOR-ROTLIDEN            | 641311.7N 0182247.2E (*) | 459                      | 2280       | FLG R              | Wind turbine       |
| 9863  |               | STOR-ROTLIDEN            | 641300.1N 0182259.8E (*) | 459                      | 2346       | F R                | Wind turbine       |
| 9864  |               | STOR-ROTLIDEN            | 641247.9N 0182304.7E (*) | 459                      | 2313       | F R                | Wind turbine       |
| 9891  |               | STOR-ROTLIDEN            | 641240.5N 0182156.8E (*) | 459                      | 2057       | FLG R              | Wind turbine       |
| 9892  |               | STOR-ROTLIDEN            | 641248.3N 0182131.0E (*) | 459                      | 2034       | FLG R              | Wind turbine       |
| 9893  |               | STOR-ROTLIDEN            | 641302.5N 0182134.7E (*) | 459                      | 2123       | FLG R              | Wind turbine       |
| 9894  |               | STOR-ROTLIDEN            | 641233.6N 0182242.6E (*) | 459                      | 2106       | FLG R              | Wind turbine       |
| 9895  |               | STOR-ROTLIDEN            | 641247.2N 0182232.8E (*) | 459                      | 2188       | F R                | Wind turbine       |
| 9896  |               | STOR-ROTLIDEN            | 641259.4N 0182221.1E (*) | 459                      | 2264       | F R                | Wind turbine       |
| 9897  |               | STOR-ROTLIDEN            | 641310.3N 0182206.6E (*) | 459                      | 2283       | F R                | Wind turbine       |
| 9898  |               | STOR-ROTLIDEN            | 641319.6N 0182145.7E (*) | 459                      | 2231       | F R                | Wind turbine       |
| 9899  |               | STOR-ROTLIDEN            | 641326.6N 0182123.0E (*) | 459                      | 2165       | FLG R              | Wind turbine       |
| 9900  |               | STOR-ROTLIDEN            | 641337.6N 0182106.8E (*) | 459                      | 2126       | FLG R              | Wind turbine       |
| 9901  |               | STOR-ROTLIDEN            | 641349.5N 0182100.1E (*) | 459                      | 2080       | FLG R              | Wind turbine       |
| 9902  |               | STOR-ROTLIDEN            | 641337.8N 0182203.9E (*) | 459                      | 2297       | F R                | Wind turbine       |
| 9903  |               | STOR-ROTLIDEN            | 641346.3N 0182143.3E (*) | 459                      | 2224       | F R                | Wind turbine       |
| 9904  |               | STOR-ROTLIDEN            | 641408.3N 0182111.0E (*) | 459                      | 2051       | FLG R              | Wind turbine       |
| 9905  |               | STOR-ROTLIDEN            | 641429.4N 0182102.4E (*) | 459                      | 2054       | FLG R              | Wind turbine       |
| 9906  |               | STOR-ROTLIDEN            | 641419.6N 0182123.2E (*) | 459                      | 2119       | F R                | Wind turbine       |
| 9907  |               | STOR-ROTLIDEN            | 641441.9N 0182132.5E (*) | 459                      | 2057       | FLG R              | Wind turbine       |
| 9908  |               | STOR-ROTLIDEN            | 641406.8N 0182243.9E (*) | 459                      | 2182       | F R                | Wind turbine       |
| 9909  |               | STOR-ROTLIDEN            | 641415.4N 0182225.5E (*) | 459                      | 2198       | F R                | Wind turbine       |
| 9910  | STOR-ROTLIDEN | 641425.6N 0182211.7E (*) | 459                      | 2182                     | F R        | Wind turbine       |                    |
| 9916  | STOR-ROTLIDEN | 641432.8N 0182149.9E (*) | 459                      | 2172                     | F R        | Wind turbine       |                    |
| 9917  | STOR-ROTLIDEN | 641454.7N 0182228.0E (*) | 459                      | 2011                     | FLG R      | Wind turbine       |                    |
| 9918  | STOR-ROTLIDEN | 641442.4N 0182335.2E (*) | 459                      | 2162                     | FLG R      | Wind turbine       |                    |
| 9919  | STOR-ROTLIDEN | 641434.0N 0182355.0E (*) | 459                      | 2224                     | FLG R      | Wind turbine       |                    |
| 9920  | STOR-ROTLIDEN | 641419.3N 0182418.3E (*) | 459                      | 2306                     | FLG R      | Wind turbine       |                    |
| 9921  | STOR-ROTLIDEN | 641409.9N 0182427.9E (*) | 459                      | 2313                     | FLG R      | Wind turbine       |                    |
| 9922  | STOR-ROTLIDEN | 641418.8N 0182346.1E (*) | 459                      | 2333                     | F R        | Wind turbine       |                    |
| 9923  | STOR-ROTLIDEN | 641424.2N 0182319.3E (*) | 459                      | 2277                     | F R        | Wind turbine       |                    |
| 9924  | STOR-ROTLIDEN | 641434.9N 0182301.4E (*) | 459                      | 2215                     | F R        | Wind turbine       |                    |
| 9925  | STOR-ROTLIDEN | 641447.9N 0182258.0E (*) | 459                      | 2077                     | FLG R      | Wind turbine       |                    |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |             |                      |              |            |                    |                    |
|---|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14569 | FÄBODBERGET | 641405.8N 0182952.4E | 591          | 2156       | FLG W              | Wind turbine       |
|   | 14570 | FÄBODBERGET | 641355.2N 0183009.9E | 591          | 2232       | F R                | Wind turbine       |
|   | 14571 | FÄBODBERGET | 641356.7N 0183042.7E | 591          | 2323       | F R                | Wind turbine       |
|   | 14572 | FÄBODBERGET | 641347.5N 0183109.2E | 591          | 2234       | FLG W              | Wind turbine       |
|   | 14573 | FÄBODBERGET | 641336.2N 0183036.5E | 591          | 2215       | F R                | Wind turbine       |
|   | 14574 | FÄBODBERGET | 641351.1N 0182853.0E | 591          | 2203       | FLG W              | Wind turbine       |
|   | 14575 | FÄBODBERGET | 641343.1N 0182917.5E | 591          | 2203       | F R                | Wind turbine       |
|   | 14576 | FÄBODBERGET | 641340.7N 0182830.2E | 591          | 2148       | F R                | Wind turbine       |
|   | 14577 | FÄBODBERGET | 641330.4N 0182811.3E | 591          | 2125       | F R                | Wind turbine       |
|   | 14578 | FÄBODBERGET | 641327.1N 0182905.3E | 591          | 2248       | F R                | Wind turbine       |
|   | 14579 | FÄBODBERGET | 641317.7N 0182936.2E | 591          | 2179       | F R                | Wind turbine       |
|   | 14580 | FÄBODBERGET | 641306.2N 0182920.5E | 591          | 2160       | F R                | Wind turbine       |
|   | 14581 | FÄBODBERGET | 641315.5N 0182746.4E | 591          | 2170       | FLG W              | Wind turbine       |
|   | 14582 | FÄBODBERGET | 641310.0N 0182811.8E | 591          | 2141       | F R                | Wind turbine       |
|   | 14583 | FÄBODBERGET | 641236.4N 0182719.6E | 591          | 2238       | F R                | Wind turbine       |
|   | 14584 | FÄBODBERGET | 641245.2N 0182742.6E | 591          | 2228       | F R                | Wind turbine       |
|   | 14585 | FÄBODBERGET | 641238.9N 0182810.3E | 591          | 2288       | F R                | Wind turbine       |
|   | 14586 | FÄBODBERGET | 641236.7N 0182844.6E | 591          | 2400       | F R                | Wind turbine       |
|   | 14587 | FÄBODBERGET | 641222.3N 0182854.1E | 591          | 2240       | FLG W              | Wind turbine       |
|   | 14588 | FÄBODBERGET | 641224.2N 0182704.3E | 591          | 2176       | FLG W              | Wind turbine       |
|   | 14589 | FÄBODBERGET | 641216.7N 0182735.4E | 591          | 2233       | F R                | Wind turbine       |
|   | 14590 | FÄBODBERGET | 641211.0N 0182840.8E | 591          | 2298       | F R                | Wind turbine       |
|   | 14591 | FÄBODBERGET | 641155.4N 0182727.3E | 591          | 2205       | F R                | Wind turbine       |
|   | 14592 | FÄBODBERGET | 641151.0N 0182755.7E | 591          | 2360       | F R                | Wind turbine       |
|   | 14593 | FÄBODBERGET | 641143.9N 0182821.0E | 591          | 2389       | F R                | Wind turbine       |
|   | 14594 | FÄBODBERGET | 641137.9N 0182733.3E | 591          | 2308       | F R                | Wind turbine       |
|   | 14595 | FÄBODBERGET | 641131.9N 0182808.9E | 591          | 2332       | F R                | Wind turbine       |
|   | 14596 | FÄBODBERGET | 641129.4N 0182710.2E | 591          | 2247       | FLG W              | Wind turbine       |
|   | 14597 | FÄBODBERGET | 641121.5N 0182746.2E | 591          | 2289       | F R                | Wind turbine       |
|   | 14598 | FÄBODBERGET | 641113.6N 0182809.6E | 591          | 2195       | F R                | Wind turbine       |
|   | 14599 | FÄBODBERGET | 641110.3N 0182724.8E | 591          | 2207       | F R                | Wind turbine       |
|   | 14600 | FÄBODBERGET | 641059.7N 0182752.8E | 591          | 2219       | F R                | Wind turbine       |
|   | 14601 | FÄBODBERGET | 641053.6N 0182818.9E | 591          | 2204       | FLG W              | Wind turbine       |
|   | 14638 | BLAKLIDEN   | 640130.1N 0180808.8E | 591          | 2379       | F R                | Wind turbine       |
|   | 14639 | BLAKLIDEN   | 640143.8N 0180715.0E | 591          | 2349       | F R                | Wind turbine       |
|   | 14640 | BLAKLIDEN   | 640258.5N 0180653.8E | 591          | 2264       | F R                | Wind turbine       |
|   | 14641 | BLAKLIDEN   | 640218.0N 0180857.0E | 591          | 2343       | F R                | Wind turbine       |
|   | 14642 | BLAKLIDEN   | 640153.4N 0180622.5E | 591          | 2270       | FLG W              | Wind turbine       |
|   | 14643 | BLAKLIDEN   | 640120.8N 0180708.9E | 591          | 2316       | F R                | Wind turbine       |
|   | 14644 | BLAKLIDEN   | 640110.5N 0180547.9E | 591          | 2188       | FLG W              | Wind turbine       |
|   | 14645 | BLAKLIDEN   | 640133.1N 0180839.8E | 591          | 2339       | FLG W              | Wind turbine       |
|   | 14646 | BLAKLIDEN   | 640215.2N 0180817.0E | 591          | 2297       | F R                | Wind turbine       |
|   | 14647 | BLAKLIDEN   | 640140.1N 0180604.4E | 591          | 2247       | F R                | Wind turbine       |
|   | 14648 | BLAKLIDEN   | 640215.5N 0180705.2E | 591          | 2267       | F R                | Wind turbine       |
|   | 14649 | BLAKLIDEN   | 640146.0N 0180820.5E | 591          | 2343       | F R                | Wind turbine       |
|   | 14650 | BLAKLIDEN   | 640307.4N 0180837.3E | 591          | 2201       | FLG W              | Wind turbine       |
|   | 14651 | BLAKLIDEN   | 640313.1N 0180626.3E | 591          | 2172       | FLG W              | Wind turbine       |
|   | 14652 | BLAKLIDEN   | 640118.9N 0180617.0E | 591          | 2208       | F R                | Wind turbine       |
|   | 14653 | BLAKLIDEN   | 640231.0N 0180740.2E | 591          | 2247       | F R                | Wind turbine       |
|   | 14654 | BLAKLIDEN   | 640202.0N 0180650.1E | 591          | 2234       | F R                | Wind turbine       |
|   | 14655 | BLAKLIDEN   | 640106.9N 0180645.6E | 591          | 2244       | F R                | Wind turbine       |
|   | 14656 | BLAKLIDEN   | 640232.9N 0180845.2E | 591          | 2264       | FLG W              | Wind turbine       |
|   | 14657 | BLAKLIDEN   | 640103.3N 0180801.8E | 591          | 2218       | FLG W              | Wind turbine       |
|   | 14658 | BLAKLIDEN   | 640318.7N 0180500.2E | 591          | 2106       | FLG W              | Wind turbine       |
|   | 14659 | BLAKLIDEN   | 640309.1N 0180531.0E | 591          | 2126       | F R                | Wind turbine       |
|   | 14660 | BLAKLIDEN   | 640056.7N 0180731.7E | 591          | 2241       | F R                | Wind turbine       |
|   | 14661 | BLAKLIDEN   | 640313.7N 0180800.4E | 591          | 2201       | F R                | Wind turbine       |
|   | 14662 | BLAKLIDEN   | 640157.8N 0180748.1E | 591          | 2287       | F R                | Wind turbine       |
|   | 14663 | BLAKLIDEN   | 640123.6N 0180742.2E | 591          | 2320       | F R                | Wind turbine       |
|   | 14664 | BLAKLIDEN   | 640133.3N 0180655.0E | 591          | 2343       | F R                | Wind turbine       |
|   | 14665 | BLAKLIDEN   | 640248.9N 0180844.3E | 591          | 2215       | F R                | Wind turbine       |
|   | 14666 | BLAKLIDEN   | 640546.8N 0180358.8E | 591          | 2480       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                              |                      |              |            |                    |                    |
|---|-------|------------------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation                  | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14667 | BLAKLIDEN                    | 640538.0N 0180309.9E | 591          | 2411       | F R                | Wind turbine       |
|   | 14668 | BLAKLIDEN                    | 640555.9N 0180423.4E | 591          | 2356       | F R                | Wind turbine       |
|   | 14669 | BLAKLIDEN                    | 640535.0N 0180348.5E | 591          | 2444       | F R                | Wind turbine       |
|   | 14670 | BLAKLIDEN                    | 640542.7N 0180433.9E | 591          | 2365       | F R                | Wind turbine       |
|   | 14671 | BLAKLIDEN                    | 640525.0N 0180257.6E | 591          | 2352       | F R                | Wind turbine       |
|   | 14672 | BLAKLIDEN                    | 640519.5N 0180414.8E | 591          | 2405       | F R                | Wind turbine       |
|   | 14673 | BLAKLIDEN                    | 640553.2N 0180454.3E | 591          | 2205       | F R                | Wind turbine       |
|   | 14674 | BLAKLIDEN                    | 640516.6N 0180523.8E | 591          | 2280       | F R                | Wind turbine       |
|   | 14675 | BLAKLIDEN                    | 640507.4N 0180435.8E | 591          | 2280       | F R                | Wind turbine       |
|   | 14676 | BLAKLIDEN                    | 640525.9N 0180329.3E | 591          | 2352       | F R                | Wind turbine       |
|   | 14677 | BLAKLIDEN                    | 640549.1N 0180327.0E | 591          | 2320       | F R                | Wind turbine       |
|   | 14678 | BLAKLIDEN                    | 640536.6N 0180506.9E | 591          | 2172       | F R                | Wind turbine       |
|   | 14679 | BLAKLIDEN                    | 640532.4N 0180231.8E | 591          | 2201       | FLG W              | Wind turbine       |
|   | 14680 | BLAKLIDEN                    | 640507.6N 0180359.0E | 591          | 2228       | F R                | Wind turbine       |
|   | 14681 | BLAKLIDEN                    | 640603.3N 0180355.4E | 591          | 2162       | F R                | Wind turbine       |
|   | 14682 | BLAKLIDEN                    | 640453.7N 0180339.2E | 591          | 2136       | F R                | Wind turbine       |
|   | 14683 | BLAKLIDEN                    | 640457.0N 0180530.6E | 591          | 2133       | F R                | Wind turbine       |
|   | 14684 | BLAKLIDEN                    | 640608.0N 0180436.9E | 591          | 2100       | FLG W              | Wind turbine       |
|   | 14685 | BLAKLIDEN                    | 640515.4N 0180558.8E | 591          | 2149       | FLG W              | Wind turbine       |
|   | 14686 | BLAKLIDEN                    | 640459.4N 0180257.0E | 591          | 2106       | FLG W              | Wind turbine       |
|   | 14687 | BLAKLIDEN                    | 640513.8N 0180226.7E | 591          | 2106       | F R                | Wind turbine       |
|   | 14688 | FÄBODBERGET                  | 641403.1N 0182903.1E | 591          | 2185       | F R                | Wind turbine       |
| 64N 19E   | 10415 | VINDELN                      | 641522.0N 0194628.3E | 505          | 1388       | F R                | Mast               |
|   | 12491 | VINDELN                      | 641823.2N 0195612.8E | 607          | 1854       | F R/FLG W          | Wind turbine       |
|   | 12492 | VINDELN                      | 641808.7N 0195642.3E | 607          | 1824       | F R/FLG W          | Wind turbine       |
|   | 12493 | VINDELN                      | 641809.0N 0195800.6E | 607          | 1896       | F R/FLG W          | Wind turbine       |
|   | 12494 | VINDELN                      | 641752.3N 0195831.1E | 607          | 1900       | F R/FLG W          | Wind turbine       |
|   | 12495 | VINDELN                      | 641805.1N 0195927.4E | 607          | 1785       | F R/FLG W          | Wind turbine       |
|   | 12497 | VINDELN                      | 641743.2N 0195914.2E | 607          | 1834       | F R/FLG W          | Wind turbine       |
|   | 12498 | VINDELN                      | 641726.3N 0195855.5E | 607          | 1883       | F R/FLG W          | Wind turbine       |
|   | 12499 | VINDELN                      | 641715.4N 0195928.9E | 607          | 1772       | F R/FLG W          | Wind turbine       |
|   | 12500 | VINDELN                      | 641717.7N 0195753.6E | 607          | 1808       | F R/FLG W          | Wind turbine       |
|   | 12501 | VINDELN                      | 641745.4N 0195711.6E | 607          | 1870       | F R/FLG W          | Wind turbine       |
|   | 12502 | VINDELN                      | 641724.9N 0195714.6E | 607          | 1752       | F R/FLG W          | Wind turbine       |
|   | 12503 | VINDELN                      | 641726.3N 0195632.4E | 607          | 1785       | F R/FLG W          | Wind turbine       |
|   | 12504 | VINDELN                      | 641742.2N 0195622.5E | 607          | 1850       | F R/FLG W          | Wind turbine       |
|   | 12505 | VINDELN                      | 641705.0N 0195710.5E | 607          | 1824       | F R/FLG W          | Wind turbine       |
|   | 12506 | VINDELN                      | 641711.4N 0195601.1E | 607          | 1759       | F R/FLG W          | Wind turbine       |
|   | 12507 | VINDELN                      | 641656.8N 0195523.6E | 607          | 1690       | F R/FLG W          | Wind turbine       |
|   | 12508 | VINDELN                      | 641657.1N 0195441.4E | 607          | 1673       | F R/FLG W          | Wind turbine       |
|   | 12509 | VINDELN                      | 641718.9N 0195523.1E | 607          | 1762       | F R/FLG W          | Wind turbine       |
|   | 12510 | VINDELN                      | 641723.5N 0195426.9E | 607          | 1703       | F R/FLG W          | Wind turbine       |
|   | 12511 | VINDELN                      | 641750.6N 0195518.6E | 607          | 1824       | F R/FLG W          | Wind turbine       |
|   | 12512 | VINDELN                      | 641742.7N 0195440.5E | 607          | 1749       | F R/FLG W          | Wind turbine       |
|   | 12513 | VINDELN                      | 641805.5N 0195450.8E | 607          | 1818       | F R/FLG W          | Wind turbine       |
|   | 12514 | VINDELN                      | 641820.5N 0195414.8E | 607          | 1693       | F R/FLG W          | Wind turbine       |
|   | 15842 | FÄBODLIDEN                   | 641735.8N 0195334.4E | 755          | 1837       | FLG W              | Wind turbine       |
|   | 15843 | FÄBODLIDEN                   | 641755.3N 0195407.0E | 755          | 1919       | F R                | Wind turbine       |
|   | 15844 | FÄBODLIDEN                   | 641820.6N 0195509.9E | 755          | 1978       | F R                | Wind turbine       |
|   | 15845 | FÄBODLIDEN                   | 641801.5N 0195546.1E | 755          | 2031       | F R                | Wind turbine       |
| 64N 20E   | 15920 | BJÄRKLIDEN                   | 644746.1N 0194904.1E | 404          | 1690       | unknown            | Mast               |
|   | 541   | SKELLEFTEÅ/PRÄSTFÄBOBERGET 1 | 644627.1N 0205708.3E | 1070         | 1489       | F R/FLG W          | Mast               |
|   | 985   | BOLIDEN 2                    | 645215.0N 0202141.0E | 328          | 1078       | F R                | Mine hoist         |
|   | 9728  | ROBERTSFORS                  | 641046.8N 0205957.7E | 456          | 599        | F R                | Wind turbine       |
|   | 11621 | ROBERTSFORS                  | 641013.0N 0205945.3E | 492          | 614        | FLG R              | Wind turbine       |
|   | 11622 | ROBERTSFORS                  | 641029.6N 0205959.8E | 492          | 603        | FLG R              | Wind turbine       |
|   | 11623 | ROBERTSFORS                  | 641013.3N 0205907.0E | 492          | 614        | FLG R              | Wind turbine       |
|   | 12496 | VINDELN                      | 641739.4N 0200006.1E | 607          | 1739       | F R/FLG W          | Wind turbine       |
|   | 14292 | BOTSMARK                     | 641833.7N 0201810.4E | 656          | 1644       | FLG W              | Wind turbine       |
|   | 14293 | BOTSMARK                     | 641815.8N 0201822.4E | 656          | 1696       | F R                | Wind turbine       |
|   | 14294 | BOTSMARK                     | 641802.9N 0201749.4E | 656          | 1696       | F R                | Wind turbine       |
|   | 14295 | BOTSMARK                     | 641759.8N 0201828.0E | 656          | 1660       | FLG W              | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                 |                          |              |            |                    |                    |
|---|-------|-----------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation     | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14296 | BOTSMARK        | 641726.8N 0201742.3E     | 656          | 1667       | F R                | Wind turbine       |
|   | 14297 | BOTSMARK        | 641726.9N 0201656.5E     | 656          | 1729       | FLG W              | Wind turbine       |
|   | 14298 | BOTSMARK        | 641712.4N 0201856.9E     | 656          | 1706       | FLG W              | Wind turbine       |
|   | 14299 | BOTSMARK        | 641711.8N 0201723.3E     | 656          | 1762       | F R                | Wind turbine       |
|   | 14300 | BOTSMARK        | 641711.8N 0201639.3E     | 656          | 1624       | F R                | Wind turbine       |
|   | 14301 | BOTSMARK        | 641703.9N 0201759.1E     | 656          | 1722       | F R                | Wind turbine       |
|   | 14302 | BOTSMARK        | 641657.6N 0201915.0E     | 656          | 1680       | F R                | Wind turbine       |
|   | 14303 | BOTSMARK        | 641653.0N 0201829.2E     | 656          | 1745       | F R                | Wind turbine       |
|   | 14304 | BOTSMARK        | 641655.8N 0201613.8E     | 656          | 1680       | FLG W              | Wind turbine       |
|   | 14305 | BOTSMARK        | 641652.7N 0201650.9E     | 656          | 1706       | F R                | Wind turbine       |
|   | 14306 | BOTSMARK        | 641648.6N 0201730.8E     | 656          | 1716       | F R                | Wind turbine       |
|   | 14307 | BOTSMARK        | 641639.1N 0201801.8E     | 656          | 1814       | F R                | Wind turbine       |
|   | 14308 | BOTSMARK        | 641636.6N 0201908.6E     | 656          | 1611       | F R                | Wind turbine       |
|   | 14309 | BOTSMARK        | 641640.0N 0201626.0E     | 656          | 1670       | F R                | Wind turbine       |
|   | 14310 | BOTSMARK        | 641636.5N 0201703.1E     | 656          | 1785       | F R                | Wind turbine       |
|   | 14311 | BOTSMARK        | 641626.3N 0201825.5E     | 656          | 1716       | F R                | Wind turbine       |
|   | 14312 | BOTSMARK        | 641625.4N 0201935.3E     | 656          | 1598       | FLG W              | Wind turbine       |
|   | 14313 | BOTSMARK        | 641627.0N 0201733.9E     | 656          | 1765       | F R                | Wind turbine       |
|   | 14314 | BOTSMARK        | 641618.0N 0201902.2E     | 656          | 1640       | F R                | Wind turbine       |
|   | 14315 | BOTSMARK        | 641614.5N 0201759.5E     | 656          | 1660       | F R                | Wind turbine       |
|   | 14316 | BOTSMARK        | 641611.6N 0201707.5E     | 656          | 1627       | FLG W              | Wind turbine       |
|   | 14750 | BLÅBERGSLIDEN   | 643732.4N 0201937.6E     | 656          | 1552       | FLG W              | Wind turbine       |
|   | 14751 | BLÅBERGSLIDEN   | 643714.6N 0202004.3E     | 656          | 1621       | F R                | Wind turbine       |
|   | 14752 | BLÅBERGSLIDEN   | 643651.1N 0202101.6E     | 656          | 1572       | FLG W              | Wind turbine       |
|   | 14753 | BLÅBERGSLIDEN   | 643626.4N 0202140.5E     | 656          | 1503       | FLG W              | Wind turbine       |
|   | 14754 | BLÅBERGSLIDEN   | 643612.2N 0202054.4E     | 656          | 1499       | F R                | Wind turbine       |
|   | 14755 | BLÅBERGSLIDEN   | 643553.3N 0202124.9E     | 656          | 1440       | F R                | Wind turbine       |
|   | 14756 | BLÅBERGSLIDEN   | 643515.6N 0202135.6E     | 656          | 1490       | F R                | Wind turbine       |
|   | 14757 | BLÅBERGSLIDEN   | 643501.1N 0202156.9E     | 656          | 1470       | FLG W              | Wind turbine       |
|   | 14758 | BLÅBERGSLIDEN   | 643507.9N 0202030.7E     | 656          | 1467       | F R                | Wind turbine       |
|   | 14759 | BLÅBERGSLIDEN   | 643518.8N 0201958.2E     | 656          | 1499       | F R                | Wind turbine       |
|   | 14760 | BLÅBERGSLIDEN   | 643452.8N 0201944.1E     | 656          | 1519       | F R                | Wind turbine       |
|   | 14761 | BLÅBERGSLIDEN   | 643510.6N 0201850.2E     | 656          | 1572       | FLG W              | Wind turbine       |
|   | 14762 | BLÅBERGSLIDEN   | 643609.4N 0201945.0E     | 656          | 1470       | F R                | Wind turbine       |
|   | 14763 | BLÅBERGSLIDEN   | 643634.2N 0201855.9E     | 656          | 1555       | F R                | Wind turbine       |
|   | 14764 | BLÅBERGSLIDEN   | 643637.5N 0201951.0E     | 656          | 1565       | F R                | Wind turbine       |
|   | 14765 | BLÅBERGSLIDEN   | 643656.5N 0202002.3E     | 656          | 1562       | F R                | Wind turbine       |
|   | 14766 | BLÅBERGSLIDEN   | 643640.1N 0201743.3E     | 656          | 1594       | FLG W              | Wind turbine       |
|   | 14767 | BLÅBERGSLIDEN   | 643651.2N 0201830.9E     | 656          | 1647       | F R                | Wind turbine       |
|   | 14768 | BLÅBERGSLIDEN   | 643655.0N 0201914.7E     | 656          | 1680       | F R                | Wind turbine       |
|   | 14769 | BLÅBERGSLIDEN   | 643710.2N 0201848.8E     | 656          | 1719       | F R                | Wind turbine       |
|   | 14770 | BLÅBERGSLIDEN   | 643718.9N 0201817.7E     | 656          | 1726       | F R                | Wind turbine       |
|   | 14771 | BLÅBERGSLIDEN   | 643730.1N 0201851.9E     | 656          | 1696       | F R                | Wind turbine       |
|   | 14772 | BLÅBERGSLIDEN   | 643746.9N 0201818.9E     | 656          | 1745       | FLG W              | Wind turbine       |
|   | 14773 | BLÅBERGSLIDEN   | 643551.8N 0201912.6E     | 656          | 1562       | F R                | Wind turbine       |
|   | 14774 | BLÅBERGSLIDEN   | 643535.4N 0201913.8E     | 656          | 1568       | F R                | Wind turbine       |
|   | 14775 | BLÅBERGSLIDEN   | 643440.8N 0202004.1E     | 656          | 1486       | FLG W              | Wind turbine       |
|   | 15094 | BOLIDEN         | 645936.1N 0201949.1E     | 656          | 1814       | FLG W              | Wind turbine       |
|   | 15095 | BOLIDEN         | 645946.1N 0202030.7E     | 656          | 1755       | FLG W              | Wind turbine       |
| 64N 21E   | 546   | RÖNNSKÄRSVERKEN | 644005.1N 0211628.8E     | 341          | 358        | -                  | Chimney            |
|   | 9726  | ROBERTSFORS     | 641042.0N 0210050.6E     | 456          | 549        | F R                | Wind turbine       |
|   | 9727  | ROBERTSFORS     | 641101.5N 0210100.6E     | 456          | 563        | F R                | Wind turbine       |
|   | 9729  | ROBERTSFORS     | 641058.1N 0210014.8E     | 456          | 608        | F R                | Wind turbine       |
|   | 9730  | ROBERTSFORS     | 641108.8N 0210029.8E     | 456          | 620        | F R                | Wind turbine       |
|   | 9731  | ROBERTSFORS     | 641118.8N 0210043.3E     | 456          | 628        | F R                | Wind turbine       |
| 65N 15E   | 9510  | GARDFJÄLLET     | 652411.6N 0155146.8E (*) | 335          | 3550       | F R                | Mast               |
| 65N 16E   | 555   | STORUMAN        | 650354.0N 0165626.2E     | 1070         | 2821       | F R/FLG W          | Mast               |
|   | 15884 | STORUMAN        | 653244.7N 0165256.3E     | 489          | 2457       | F R                | Mast               |
| 65N 17E   | 9440  | STORBLAIKEN     | 651725.6N 0170842.8E (*) | 486          | 2822       | F R                | Mast               |
|   | 9559  | ULJABUOUDA      | 655806.1N 0173637.5E (*) | 410          | 2867       | FLG R              | Wind turbine       |
|   | 9560  | ULJABUOUDA      | 655817.9N 0173649.0E (*) | 410          | 2844       | FLG R              | Wind turbine       |
|   | 9561  | ULJABUOUDA      | 655808.4N 0173718.2E (*) | 410          | 2943       | FLG R              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|-------------|--------------------------|--------------|------------|--------------------|--------------------|
|      | 9562  | ULJABUOUDA  | 655806.3N 0173804.9E (*) | 410          | 2940       | FLG R              | Wind turbine       |
|      | 9866  | ULJABUOUDA  | 655753.4N 0173624.6E (*) | 410          | 2854       | FLG R              | Wind turbine       |
|      | 9867  | ULJABUOUDA  | 655743.6N 0173700.3E (*) | 410          | 2871       | FLG R              | Wind turbine       |
|      | 9868  | ULJABUOUDA  | 655738.6N 0173634.7E (*) | 410          | 2881       | FLG R              | Wind turbine       |
|      | 9869  | ULJABUOUDA  | 655753.9N 0173730.1E (*) | 410          | 2910       | FLG R              | Wind turbine       |
|      | 9870  | ULJABUOUDA  | 655745.2N 0173759.6E (*) | 410          | 2822       | FLG R              | Wind turbine       |
|      | 9871  | ULJABUOUDA  | 655753.1N 0173818.5E (*) | 410          | 2822       | FLG R              | Wind turbine       |
|      | 10716 | STORBLAIKEN | 651537.4N 0171851.8E (*) | 489          | 2713       | FLG R              | Wind turbine       |
|      | 10718 | STORBLAIKEN | 651550.8N 0171819.0E (*) | 489          | 2835       | FLG R              | Wind turbine       |
|      | 10719 | STORBLAIKEN | 651513.5N 0171757.8E (*) | 489          | 2730       | FLG R              | Wind turbine       |
|      | 10720 | STORBLAIKEN | 651600.2N 0171742.9E (*) | 489          | 2785       | FLG R              | Wind turbine       |
|      | 10721 | STORBLAIKEN | 651542.5N 0171739.5E (*) | 489          | 2900       | FLG R              | Wind turbine       |
|      | 10722 | STORBLAIKEN | 651522.6N 0171718.8E (*) | 489          | 2890       | FLG R              | Wind turbine       |
|      | 10723 | STORBLAIKEN | 651530.3N 0171810.2E (*) | 489          | 2805       | FLG R              | Wind turbine       |
|      | 10724 | STORBLAIKEN | 651552.3N 0171701.9E (*) | 489          | 2802       | FLG R              | Wind turbine       |
|      | 10725 | STORBLAIKEN | 651537.5N 0171645.0E (*) | 489          | 2838       | FLG R              | Wind turbine       |
|      | 10726 | STORBLAIKEN | 651520.5N 0171630.8E (*) | 489          | 2759       | FLG R              | Wind turbine       |
|      | 10727 | STORBLAIKEN | 651613.7N 0171614.9E (*) | 489          | 2726       | FLG R              | Wind turbine       |
|      | 10728 | STORBLAIKEN | 651554.8N 0171615.5E (*) | 489          | 2835       | FLG R              | Wind turbine       |
|      | 10729 | STORBLAIKEN | 651536.6N 0171556.4E (*) | 489          | 2785       | FLG R              | Wind turbine       |
|      | 10730 | STORBLAIKEN | 651622.7N 0171533.7E (*) | 489          | 2717       | FLG R              | Wind turbine       |
|      | 10731 | STORBLAIKEN | 651607.0N 0171531.7E (*) | 489          | 2808       | FLG R              | Wind turbine       |
|      | 10732 | STORBLAIKEN | 651550.1N 0171531.0E (*) | 489          | 2851       | FLG R              | Wind turbine       |
|      | 10733 | STORBLAIKEN | 651630.8N 0171453.3E (*) | 489          | 2759       | FLG R              | Wind turbine       |
|      | 10734 | STORBLAIKEN | 651614.8N 0171449.9E (*) | 489          | 2841       | FLG R              | Wind turbine       |
|      | 10735 | STORBLAIKEN | 651558.4N 0171451.2E (*) | 489          | 2894       | FLG R              | Wind turbine       |
|      | 10736 | STORBLAIKEN | 651541.0N 0171452.5E (*) | 489          | 2782       | FLG R              | Wind turbine       |
|      | 10737 | STORBLAIKEN | 651638.6N 0171412.6E (*) | 489          | 2785       | FLG R              | Wind turbine       |
|      | 10738 | STORBLAIKEN | 651622.1N 0171406.8E (*) | 489          | 2841       | FLG R              | Wind turbine       |
|      | 10739 | STORBLAIKEN | 651606.0N 0171410.4E (*) | 489          | 2867       | FLG R              | Wind turbine       |
|      | 10740 | STORBLAIKEN | 651628.6N 0171323.8E (*) | 489          | 2874       | FLG R              | Wind turbine       |
|      | 10741 | STORBLAIKEN | 651612.3N 0171306.8E (*) | 489          | 2799       | FLG R              | Wind turbine       |
|      | 10742 | STORBLAIKEN | 651642.3N 0171245.0E (*) | 489          | 2841       | FLG R              | Wind turbine       |
|      | 10743 | STORBLAIKEN | 651626.9N 0171231.3E (*) | 489          | 2841       | FLG R              | Wind turbine       |
|      | 10744 | STORBLAIKEN | 651638.4N 0171157.7E (*) | 489          | 2802       | FLG R              | Wind turbine       |
|      | 10745 | STORBLAIKEN | 651655.2N 0171118.6E (*) | 489          | 2828       | FLG R              | Wind turbine       |
|      | 10746 | STORBLAIKEN | 651714.6N 0171115.9E (*) | 489          | 2802       | FLG R              | Wind turbine       |
|      | 11302 | STORBLAIKEN | 651616.3N 0171740.0E (*) | 489          | 2644       | FLG R              | Wind turbine       |
|      | 11303 | STORBLAIKEN | 651624.5N 0171652.2E (*) | 489          | 2628       | FLG R              | Wind turbine       |
|      | 11304 | STORBLAIKEN | 651608.3N 0171659.6E (*) | 489          | 2726       | FLG R              | Wind turbine       |
|      | 11305 | STORBLAIKEN | 651632.2N 0171610.8E (*) | 489          | 2631       | FLG R              | Wind turbine       |
|      | 11306 | STORBLAIKEN | 651640.2N 0171530.3E (*) | 489          | 2635       | FLG R              | Wind turbine       |
|      | 11307 | STORBLAIKEN | 651651.7N 0171440.0E (*) | 489          | 2638       | FLG R              | Wind turbine       |
|      | 11308 | STORBLAIKEN | 651549.4N 0171413.0E (*) | 489          | 2776       | FLG R              | Wind turbine       |
|      | 11309 | STORBLAIKEN | 651701.0N 0171359.4E (*) | 489          | 2644       | FLG R              | Wind turbine       |
|      | 11310 | STORBLAIKEN | 651647.4N 0171330.4E (*) | 489          | 2802       | FLG R              | Wind turbine       |
|      | 11311 | STORBLAIKEN | 651557.4N 0171331.6E (*) | 489          | 2769       | FLG R              | Wind turbine       |
|      | 11312 | STORBLAIKEN | 651557.0N 0171245.6E (*) | 489          | 2710       | FLG R              | Wind turbine       |
|      | 11313 | STORBLAIKEN | 651657.7N 0171254.5E (*) | 489          | 2746       | FLG R              | Wind turbine       |
|      | 11314 | STORBLAIKEN | 651610.9N 0171220.7E (*) | 489          | 2759       | FLG R              | Wind turbine       |
|      | 11315 | STORBLAIKEN | 651654.3N 0171208.5E (*) | 489          | 2782       | FLG R              | Wind turbine       |
|      | 11316 | STORBLAIKEN | 651622.3N 0171140.5E (*) | 489          | 2736       | FLG R              | Wind turbine       |
|      | 11317 | STORBLAIKEN | 651714.4N 0171203.7E (*) | 489          | 2766       | FLG R              | Wind turbine       |
|      | 11318 | STORBLAIKEN | 651640.6N 0171058.2E (*) | 489          | 2799       | FLG R              | Wind turbine       |
|      | 11319 | STORBLAIKEN | 651728.8N 0171142.7E (*) | 489          | 2769       | FLG R              | Wind turbine       |
|      | 11320 | STORBLAIKEN | 651704.9N 0171040.0E (*) | 489          | 2808       | FLG R              | Wind turbine       |
|      | 11321 | STORBLAIKEN | 651650.4N 0171018.6E (*) | 489          | 2769       | FLG R              | Wind turbine       |
|      | 11322 | STORBLAIKEN | 651750.5N 0171115.0E (*) | 489          | 2694       | FLG R              | Wind turbine       |
|      | 11323 | STORBLAIKEN | 651735.1N 0171100.2E (*) | 489          | 2789       | FLG R              | Wind turbine       |
|      | 11324 | STORBLAIKEN | 651721.5N 0171034.9E (*) | 489          | 2818       | FLG R              | Wind turbine       |
|      | 11325 | STORBLAIKEN | 651705.3N 0170953.2E (*) | 489          | 2776       | FLG R              | Wind turbine       |
|      | 11326 | STORBLAIKEN | 651754.2N 0171028.7E (*) | 489          | 2753       | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                     |                          |              |            |                    |                    |
|---|-------|---------------------|--------------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation         | Coordinates              | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 11327 | STORBLAIKEN         | 651750.5N 0170942.9E (*) | 489          | 2795       | FLG R              | Wind turbine       |
|   | 11328 | STORBLAIKEN         | 651738.7N 0171014.9E (*) | 489          | 2802       | FLG R              | Wind turbine       |
|   | 11329 | STORBLAIKEN         | 651732.3N 0170932.4E (*) | 489          | 2808       | FLG R              | Wind turbine       |
|   | 11330 | STORBLAIKEN         | 651731.5N 0170845.8E (*) | 489          | 2812       | FLG R              | Wind turbine       |
|   | 11331 | STORBLAIKEN         | 651716.3N 0170832.2E (*) | 489          | 2808       | FLG R              | Wind turbine       |
|   | 12273 | BLAIKEN             | 651710.8N 0171322.4E (*) | 476          | 2615       | FLG R              | Wind turbine       |
|   | 12274 | BLAIKEN             | 651721.9N 0171245.5E (*) | 476          | 2625       | FLG R              | Wind turbine       |
|   | 12275 | BLAIKEN             | 651624.0N 0171052.6E (*) | 476          | 2680       | FLG R              | Wind turbine       |
|   | 12276 | BLAIKEN             | 651744.0N 0171157.8E (*) | 476          | 2615       | FLG R              | Wind turbine       |
|   | 12277 | BLAIKEN             | 651628.3N 0171004.2E (*) | 476          | 2664       | FLG R              | Wind turbine       |
|   | 12278 | BLAIKEN             | 651642.3N 0170936.4E (*) | 476          | 2707       | FLG R              | Wind turbine       |
|   | 12279 | BLAIKEN             | 651630.4N 0170913.4E (*) | 476          | 2618       | FLG R              | Wind turbine       |
|   | 12280 | BLAIKEN             | 651809.9N 0171045.0E (*) | 476          | 2635       | FLG R              | Wind turbine       |
|   | 12281 | BLAIKEN             | 651806.3N 0170958.6E (*) | 476          | 2710       | FLG R              | Wind turbine       |
|   | 12282 | BLAIKEN             | 651717.9N 0170920.7E (*) | 476          | 2785       | FLG R              | Wind turbine       |
|   | 12283 | BLAIKEN             | 651700.3N 0171024.5E (*) | 476          | 2782       | FLG R              | Wind turbine       |
|   | 12284 | BLAIKEN             | 651646.5N 0170848.7E (*) | 476          | 2687       | FLG R              | Wind turbine       |
|   | 12285 | BLAIKEN             | 651819.7N 0170932.3E (*) | 476          | 2582       | FLG R              | Wind turbine       |
|   | 12286 | BLAIKEN             | 651800.0N 0170904.6E (*) | 476          | 2720       | FLG R              | Wind turbine       |
|   | 12287 | BLAIKEN             | 651744.6N 0170858.5E (*) | 476          | 2776       | FLG R              | Wind turbine       |
|   | 12288 | BLAIKEN             | 651659.7N 0170817.6E (*) | 476          | 2713       | FLG R              | Wind turbine       |
|   | 12289 | BLAIKEN             | 651647.4N 0170756.3E (*) | 476          | 2651       | FLG R              | Wind turbine       |
|   | 12290 | BLAIKEN             | 651630.8N 0170759.7E (*) | 476          | 2648       | FLG R              | Wind turbine       |
|   | 12291 | BLAIKEN             | 651812.0N 0170834.3E (*) | 476          | 2648       | FLG R              | Wind turbine       |
|   | 12292 | BLAIKEN             | 651754.9N 0170816.7E (*) | 476          | 2746       | FLG R              | Wind turbine       |
|   | 12293 | BLAIKEN             | 651739.2N 0170805.0E (*) | 476          | 2785       | FLG R              | Wind turbine       |
|   | 12294 | BLAIKEN             | 651724.0N 0170751.1E (*) | 476          | 2746       | FLG R              | Wind turbine       |
|   | 12295 | BLAIKEN             | 651706.2N 0170733.7E (*) | 476          | 2690       | FLG R              | Wind turbine       |
|   | 12296 | BLAIKEN             | 651643.0N 0170712.8E (*) | 476          | 2648       | FLG R              | Wind turbine       |
|   | 12297 | BLAIKEN             | 651823.5N 0170801.9E (*) | 476          | 2657       | FLG R              | Wind turbine       |
|   | 12298 | BLAIKEN             | 651807.4N 0170746.9E (*) | 476          | 2756       | FLG R              | Wind turbine       |
|   | 12299 | BLAIKEN             | 651748.8N 0170729.9E (*) | 476          | 2769       | FLG R              | Wind turbine       |
|   | 12300 | BLAIKEN             | 651735.4N 0170717.5E (*) | 476          | 2740       | FLG R              | Wind turbine       |
|   | 12301 | BLAIKEN             | 651718.7N 0170702.0E (*) | 476          | 2677       | FLG R              | Wind turbine       |
|   | 12302 | BLAIKEN             | 651658.3N 0170652.3E (*) | 476          | 2625       | FLG R              | Wind turbine       |
|   | 12464 | GRANBERGET          | 651755.6N 0171508.5E (*) | 489          | 2572       | FLG R              | Wind turbine       |
|   | 12465 | GRANBERGET          | 651806.6N 0171509.6E (*) | 489          | 2543       | FLG R              | Wind turbine       |
|   | 12466 | GRANBERGET          | 651748.6N 0171447.8E (*) | 489          | 2566       | FLG R              | Wind turbine       |
|   | 12467 | GRANBERGET          | 651740.9N 0171425.3E (*) | 489          | 2523       | FLG R              | Wind turbine       |
|   | 12468 | GRANBERGET          | 651754.4N 0171407.1E (*) | 489          | 2552       | FLG R              | Wind turbine       |
|   | 12469 | GRANBERGET          | 651803.6N 0171414.5E (*) | 489          | 2543       | FLG R              | Wind turbine       |
|   | 12470 | GRANBERGET          | 651823.6N 0171517.9E (*) | 489          | 2530       | FLG R              | Wind turbine       |
|   | 12471 | GRANBERGET          | 651831.8N 0171535.4E (*) | 489          | 2605       | FLG R              | Wind turbine       |
|   | 12472 | GRANBERGET          | 651841.2N 0171505.0E (*) | 489          | 2589       | FLG R              | Wind turbine       |
|   | 12823 | BLAIKEN             | 651738.7N 0171251.5E (*) | 476          | 2546       | FLG R              | Wind turbine       |
|   | 12824 | BLAIKEN             | 651800.7N 0171221.7E (*) | 476          | 2552       | FLG R              | Wind turbine       |
|   | 12825 | BLAIKEN             | 651812.0N 0171131.7E (*) | 476          | 2552       | FLG R              | Wind turbine       |
|   | 12826 | BLAIKEN             | 651823.2N 0171020.8E (*) | 476          | 2585       | FLG R              | Wind turbine       |
|   | 12827 | BLAIKEN             | 651837.5N 0170954.2E (*) | 476          | 2556       | FLG R              | Wind turbine       |
|   | 12828 | BLAIKEN             | 651828.0N 0170842.4E (*) | 476          | 2615       | FLG R              | Wind turbine       |
|   | 12829 | BLAIKEN             | 651855.7N 0171344.6E (*) | 476          | 2598       | FLG R              | Wind turbine       |
|   | 12830 | BLAIKEN             | 651848.9N 0171310.0E (*) | 476          | 2579       | FLG R              | Wind turbine       |
|   | 12831 | BLAIKEN             | 651836.2N 0171240.3E (*) | 476          | 2539       | FLG R              | Wind turbine       |
|   | 16965 | SLAKTARMYRAN        | 651506.6N 0174431.2E     | 407          | 2014       | unknown            | Mast               |
| 65N 18E   | 558   | ARVIDSJAUR/JULTRÄSK | 653200.0N 0185921.5E     | 1076         | 3540       | F R/FLG W          | Mast               |
|   | 10051 | JOKKMOKKSLIDEN      | 651636.5N 0185724.0E     | 489          | 2162       | FLG R              | Wind turbine       |
|   | 10052 | JOKKMOKKSLIDEN      | 651648.1N 0185745.4E     | 489          | 2146       | FLG R              | Wind turbine       |
|   | 10053 | JOKKMOKKSLIDEN      | 651658.6N 0185716.8E     | 489          | 2165       | FLG R              | Wind turbine       |
|   | 10054 | JOKKMOKKSLIDEN      | 651708.1N 0185743.0E     | 489          | 2133       | FLG R              | Wind turbine       |
|   | 10195 | HORNBERGET          | 650505.9N 0183559.3E     | 410          | 2046       | FLG R              | Wind turbine       |
|   | 10196 | HORNBERGET          | 650512.4N 0183616.2E     | 410          | 2123       | FLG R              | Wind turbine       |
|   | 10197 | HORNBERGET          | 650519.7N 0183643.2E     | 410          | 2221       | FLG R              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation    | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|----------------|----------------------|--------------|------------|--------------------|--------------------|
|         | 10198 | HORNBERGET     | 650529.1N 0183653.1E | 410          | 2244       | FLG R              | Wind turbine       |
|         | 10199 | HORNBERGET     | 650531.3N 0183715.6E | 410          | 2156       | FLG R              | Wind turbine       |
|         | 10348 | STORLIDEN      | 651244.0N 0185514.5E | 489          | 2146       | FLG R              | Wind turbine       |
|         | 10349 | STORLIDEN      | 651301.5N 0185521.5E | 489          | 2093       | FLG R              | Wind turbine       |
|         | 10350 | STORLIDEN      | 651252.2N 0185444.9E | 489          | 2047       | FLG R              | Wind turbine       |
|         | 10351 | STORLIDEN      | 651250.5N 0185547.6E | 489          | 2077       | FLG R              | Wind turbine       |
|         | 10352 | STORLIDEN      | 651250.9N 0185403.6E | 489          | 1916       | FLG R              | Wind turbine       |
|         | 10353 | STORLIDEN      | 651304.4N 0185344.1E | 489          | 1896       | FLG R              | Wind turbine       |
|         | 10354 | STORLIDEN      | 651312.7N 0185414.0E | 489          | 1936       | FLG R              | Wind turbine       |
|         | 10355 | STORLIDEN      | 651307.1N 0185446.7E | 489          | 2047       | FLG R              | Wind turbine       |
|         | 10412 | NÅDAGUBBLIDEN  | 650655.7N 0184608.9E | 354          | 1883       | F R                | Mast               |
|         | 10432 | NÅDAGUBBLIDEN  | 650628.4N 0183925.1E | 492          | 2087       | FLG R              | Wind turbine       |
|         | 10433 | NÅDAGUBBLIDEN  | 650613.3N 0183955.2E | 492          | 2054       | FLG R              | Wind turbine       |
|         | 10434 | NÅDAGUBBLIDEN  | 650634.3N 0184033.1E | 492          | 2087       | FLG R              | Wind turbine       |
|         | 10435 | NÅDAGUBBLIDEN  | 650656.5N 0184018.6E | 492          | 2093       | FLG R              | Wind turbine       |
|         | 10436 | NÅDAGUBBLIDEN  | 650644.7N 0184057.4E | 492          | 2070       | FLG R              | Wind turbine       |
|         | 10437 | NÅDAGUBBLIDEN  | 650657.1N 0184130.5E | 492          | 2024       | FLG R              | Wind turbine       |
|         | 10438 | NÅDAGUBBLIDEN  | 650702.9N 0184218.5E | 492          | 2018       | FLG R              | Wind turbine       |
|         | 10439 | NÅDAGUBBLIDEN  | 650641.7N 0184238.8E | 492          | 2037       | FLG R              | Wind turbine       |
|         | 10440 | NÅDAGUBBLIDEN  | 650651.6N 0184310.5E | 492          | 2051       | FLG R              | Wind turbine       |
|         | 10441 | NÅDAGUBBLIDEN  | 650700.7N 0184340.4E | 492          | 2064       | FLG R              | Wind turbine       |
|         | 10442 | NÅDAGUBBLIDEN  | 650653.0N 0184422.9E | 492          | 2113       | FLG R              | Wind turbine       |
|         | 10443 | NÅDAGUBBLIDEN  | 650639.6N 0184454.8E | 492          | 2159       | FLG R              | Wind turbine       |
|         | 10444 | NÅDAGUBBLIDEN  | 650624.6N 0184535.1E | 492          | 2129       | FLG R              | Wind turbine       |
|         | 10445 | NÅDAGUBBLIDEN  | 650649.5N 0184600.0E | 492          | 2037       | FLG R              | Wind turbine       |
|         | 10446 | NÅDAGUBBLIDEN  | 650652.1N 0184711.4E | 492          | 2018       | FLG R              | Wind turbine       |
|         | 10447 | NÅDAGUBBLIDEN  | 650656.1N 0184808.3E | 492          | 1998       | FLG R              | Wind turbine       |
|         | 10448 | NÅDAGUBBLIDEN  | 650640.0N 0184823.1E | 492          | 2024       | FLG R              | Wind turbine       |
|         | 10449 | NÅDAGUBBLIDEN  | 650649.8N 0184913.5E | 492          | 2016       | FLG R              | Wind turbine       |
|         | 10450 | NÅDAGUBBLIDEN  | 650627.3N 0185045.7E | 492          | 2047       | FLG R              | Wind turbine       |
|         | 10451 | NÅDAGUBBLIDEN  | 650605.0N 0185111.8E | 492          | 2018       | FLG R              | Wind turbine       |
|         | 10452 | NÅDAGUBBLIDEN  | 650645.0N 0183944.6E | 492          | 2096       | FLG R              | Wind turbine       |
|         | 10453 | NÅDAGUBBLIDEN  | 650645.2N 0185006.5E | 492          | 2034       | FLG R              | Wind turbine       |
|         | 10488 | HEMLIDEN       | 651526.3N 0185640.8E | 489          | 2021       | FLG R              | Wind turbine       |
|         | 10489 | HEMLIDEN       | 651534.9N 0185710.4E | 489          | 2008       | FLG R              | Wind turbine       |
|         | 10490 | JOKKMOKKSLIDEN | 651624.3N 0185704.0E | 489          | 2218       | FLG R              | Wind turbine       |
|         | 10491 | JOKKMOKKSLIDEN | 651713.8N 0185823.4E | 489          | 2080       | FLG R              | Wind turbine       |
|         | 10492 | TALLBERGET     | 651743.4N 0185737.9E | 489          | 2067       | FLG R              | Wind turbine       |
|         | 10493 | TALLBERGET     | 651747.5N 0185659.9E | 489          | 2093       | FLG R              | Wind turbine       |
|         | 10973 | ÅMLIDEN        | 650246.3N 0185830.1E | 476          | 1873       | FLG R              | Wind turbine       |
|         | 10974 | ÅMLIDEN        | 650345.3N 0185845.2E | 476          | 1916       | FLG R              | Wind turbine       |
|         | 10976 | ÅMLIDEN        | 650255.0N 0185854.7E | 476          | 1880       | FLG R              | Wind turbine       |
|         | 10982 | ÅMLIDEN        | 650401.7N 0185943.5E | 476          | 1893       | FLG R              | Wind turbine       |
|         | 10983 | ÅMLIDEN        | 650330.7N 0185959.1E | 469          | 2026       | FLG R              | Wind turbine       |
|         | 10984 | ÅMLIDEN        | 650220.1N 0185911.9E | 476          | 1984       | FLG R              | Wind turbine       |
|         | 10985 | ÅMLIDEN        | 650229.7N 0185830.9E | 476          | 1911       | FLG R              | Wind turbine       |
|         | 10986 | ÅMLIDEN        | 650210.9N 0185818.5E | 476          | 1919       | FLG R              | Wind turbine       |
|         | 10987 | ÅMLIDEN        | 650242.9N 0185937.6E | 476          | 2070       | FLG R              | Wind turbine       |
|         | 10988 | ÅMLIDEN        | 650257.4N 0185953.5E | 476          | 2070       | FLG R              | Wind turbine       |
|         | 16990 | ÅMLIDEN        | 650306.0N 0185917.3E | 476          | 1928       | unknown            | Wind turbine       |
| 65N 19E | 10468 | ÅMLIDEN        | 650240.2N 0190023.1E | 335          | 2093       | FLG R              | Wind turbine       |
|         | 10964 | ÅMLIDEN        | 650353.4N 0190044.9E | 476          | 1903       | FLG R              | Wind turbine       |
|         | 10965 | ÅMLIDEN        | 650357.8N 0190114.9E | 476          | 1877       | FLG R              | Wind turbine       |
|         | 10966 | ÅMLIDEN        | 650403.1N 0190139.0E | 476          | 1867       | FLG R              | Wind turbine       |
|         | 10967 | ÅMLIDEN        | 650415.4N 0190205.0E | 476          | 1854       | FLG R              | Wind turbine       |
|         | 10968 | ÅMLIDEN        | 650425.9N 0190221.3E | 476          | 1867       | FLG R              | Wind turbine       |
|         | 10969 | ÅMLIDEN        | 650353.4N 0190350.5E | 476          | 1926       | FLG R              | Wind turbine       |
|         | 10970 | ÅMLIDEN        | 650312.3N 0190236.0E | 476          | 1962       | FLG R              | Wind turbine       |
|         | 10971 | ÅMLIDEN        | 650325.0N 0190326.9E | 476          | 1883       | FLG R              | Wind turbine       |
|         | 10972 | ÅMLIDEN        | 650337.8N 0190344.9E | 476          | 1919       | FLG R              | Wind turbine       |
|         | 10977 | ÅMLIDEN        | 650340.4N 0190113.8E | 476          | 1909       | FLG R              | Wind turbine       |
|         | 10978 | ÅMLIDEN        | 650353.1N 0190233.4E | 476          | 1880       | FLG R              | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                 |                      |              |            |                    |                    |
|---|-------|-----------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation     | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 10979 | ÅMLIDEN         | 650410.2N 0190302.5E | 476          | 1919       | FLG R              | Wind turbine       |
|   | 10981 | ÅMLIDEN         | 650339.1N 0190256.1E | 476          | 1909       | FLG R              | Wind turbine       |
|   | 10989 | ÅMLIDEN         | 650315.1N 0190012.4E | 476          | 2008       | FLG R              | Wind turbine       |
|   | 10990 | ÅMLIDEN         | 650301.2N 0190032.7E | 476          | 2054       | FLG R              | Wind turbine       |
|   | 10991 | ÅMLIDEN         | 650315.5N 0190053.7E | 476          | 1982       | FLG R              | Wind turbine       |
|   | 10992 | ÅMLIDEN         | 650252.3N 0190058.2E | 476          | 2028       | FLG R              | Wind turbine       |
|   | 14112 | JÖRN            | 651244.0N 0195531.3E | 666          | 2060       | FLG W              | Wind turbine       |
|   | 14113 | JÖRN            | 651230.8N 0195549.9E | 666          | 2083       | FLG W              | Wind turbine       |
|   | 14114 | JÖRN            | 651219.4N 0195619.5E | 722          | 2060       | F R                | Wind turbine       |
|   | 14115 | JÖRN            | 651204.1N 0195600.4E | 722          | 2083       | FLG W              | Wind turbine       |
|   | 14116 | JÖRN            | 651214.2N 0195536.4E | 722          | 2044       | F R                | Wind turbine       |
|   | 14117 | JÖRN            | 651137.6N 0195610.3E | 722          | 2044       | F R                | Wind turbine       |
|   | 14118 | JÖRN            | 651128.4N 0195644.2E | 722          | 2054       | FLG W              | Wind turbine       |
|   | 14119 | JÖRN            | 651114.8N 0195637.2E | 722          | 2044       | F R                | Wind turbine       |
|   | 14120 | JÖRN            | 651103.4N 0195657.1E | 722          | 1975       | F R                | Wind turbine       |
|   | 14121 | JÖRN            | 651052.6N 0195721.2E | 722          | 1939       | FLG W              | Wind turbine       |
|   | 16989 | RIPMYRAN        | 650325.2N 0190201.3E | 476          | 1926       | unknown            | Wind turbine       |
| 65N 20E   | 9322  | HULTET          | 652710.0N 0203049.9E | 489          | 1732       | FLG R              | Wind turbine       |
|   | 9323  | HULTET          | 652700.6N 0203106.8E | 489          | 1736       | FLG R              | Wind turbine       |
|   | 9809  | HULTET          | 652622.4N 0203117.6E | 489          | 1668       | FLG R              | Wind turbine       |
|   | 9810  | HULTET          | 652615.9N 0203145.5E | 489          | 1666       | FLG R              | Wind turbine       |
|   | 9815  | HULTET          | 652630.7N 0203054.9E | 489          | 1673       | FLG R              | Wind turbine       |
|   | 9842  | HULTET          | 652702.6N 0203004.2E | 489          | 1673       | FLG R              | Wind turbine       |
|   | 9843  | HULTET          | 652652.5N 0203022.9E | 489          | 1703       | FLG R              | Wind turbine       |
|   | 9844  | HULTET          | 652642.7N 0203043.8E | 489          | 1703       | FLG R              | Wind turbine       |
|   | 9845  | HULTET          | 652650.6N 0203125.4E | 587          | 1844       | FLG W              | Wind turbine       |
|   | 9846  | HULTET          | 652643.7N 0203154.5E | 489          | 1712       | FLG R              | Wind turbine       |
|   | 9847  | HULTET          | 652633.5N 0203219.3E | 489          | 1693       | FLG R              | Wind turbine       |
|   | 9848  | HULTET          | 652627.6N 0203235.8E | 587          | 1781       | FLG W              | Wind turbine       |
|   | 11230 | FJÄLLBODA       | 650019.0N 0201932.9E | 335          | 1425       | F R                | Mast               |
|   | 11384 | KROKATRÅSKLIDEN | 652907.4N 0204858.8E | 397          | 1229       | F R                | Mast               |
|   | 11389 | SKOGBERGLIDEN   | 652135.8N 0205537.2E | 604          | 1385       | FLG W              | Wind turbine       |
|   | 11390 | SKOGBERGLIDEN   | 652210.0N 0205530.1E | 604          | 1509       | F R                | Wind turbine       |
|   | 11391 | SKOGBERGLIDEN   | 652217.1N 0205604.0E | 604          | 1421       | F R                | Wind turbine       |
|   | 11392 | SKOGBERGLIDEN   | 652232.0N 0205543.6E | 604          | 1460       | F R                | Wind turbine       |
|   | 11393 | SKOGBERGLIDEN   | 652244.4N 0205514.6E | 604          | 1555       | F R                | Wind turbine       |
|   | 11394 | SKOGBERGLIDEN   | 652253.1N 0205444.6E | 604          | 1591       | F R                | Wind turbine       |
|   | 11395 | SKOGBERGLIDEN   | 652221.6N 0205458.7E | 604          | 1509       | F R                | Wind turbine       |
|   | 11448 | SKOGBERGLIDEN   | 652058.8N 0205946.6E | 604          | 1135       | FLG W              | Wind turbine       |
|   | 11449 | SKOGBERGLIDEN   | 652058.0N 0205853.1E | 604          | 1230       | F R                | Wind turbine       |
|   | 11450 | SKOGBERGLIDEN   | 652103.1N 0205808.3E | 604          | 1296       | F R                | Wind turbine       |
|   | 11451 | SKOGBERGLIDEN   | 652105.0N 0205724.6E | 604          | 1312       | FLG W              | Wind turbine       |
|   | 11452 | SKOGBERGLIDEN   | 652119.4N 0205736.2E | 604          | 1335       | F R                | Wind turbine       |
|   | 11453 | SKOGBERGLIDEN   | 652154.8N 0205608.7E | 604          | 1450       | F R                | Wind turbine       |
|   | 11454 | SKOGBERGLIDEN   | 652152.4N 0205529.5E | 604          | 1473       | F R                | Wind turbine       |
|   | 11455 | SKOGBERGLIDEN   | 652112.9N 0205655.5E | 604          | 1306       | F R                | Wind turbine       |
|   | 11456 | SKOGBERGLIDEN   | 652127.3N 0205703.4E | 604          | 1394       | FLG W              | Wind turbine       |
|   | 11457 | SKOGBERGLIDEN   | 652137.1N 0205626.7E | 604          | 1437       | FLG W              | Wind turbine       |
|   | 11458 | SKOGBERGLIDEN   | 652112.9N 0205553.1E | 604          | 1312       | FLG W              | Wind turbine       |
|   | 11491 | SKOGBERGLIDEN   | 652256.5N 0205409.2E | 604          | 1572       | F R                | Wind turbine       |
|   | 11492 | SKOGBERGLIDEN   | 652307.9N 0205432.5E | 604          | 1572       | F R                | Wind turbine       |
|   | 11493 | SKOGBERGLIDEN   | 652322.9N 0205423.5E | 604          | 1506       | FLG W              | Wind turbine       |
|   | 11494 | SKOGBERGLIDEN   | 652313.0N 0205357.2E | 604          | 1549       | F R                | Wind turbine       |
|   | 11495 | SKOGBERGLIDEN   | 652325.4N 0205313.7E | 604          | 1522       | F R                | Wind turbine       |
|   | 11496 | SKOGBERGLIDEN   | 652252.2N 0205551.8E | 604          | 1496       | FLG W              | Wind turbine       |
|   | 11497 | SKOGBERGLIDEN   | 652314.9N 0205504.9E | 604          | 1516       | F R                | Wind turbine       |
|   | 11498 | SKOGBERGLIDEN   | 652237.0N 0205422.0E | 604          | 1877       | F R                | Wind turbine       |
|   | 11499 | SKOGBERGLIDEN   | 652245.9N 0205337.5E | 604          | 1565       | F R                | Wind turbine       |
|   | 11500 | SKOGBERGLIDEN   | 652250.5N 0205302.4E | 604          | 1545       | FLG W              | Wind turbine       |
|   | 11501 | SKOGBERGLIDEN   | 652304.4N 0205318.6E | 604          | 1552       | F R                | Wind turbine       |
|   | 11591 | SKOGBERGLIDEN   | 652300.1N 0205237.1E | 604          | 1506       | F R                | Wind turbine       |
|   | 11592 | SKOGBERGLIDEN   | 652315.7N 0205242.8E | 604          | 1562       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation    | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|----------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 11593 | SKOGBERGSLIDEN | 652328.2N 0205216.5E | 604          | 1509       | F R                | Wind turbine       |
|      | 11594 | SKOGBERGSLIDEN | 652324.8N 0205135.9E | 604          | 1467       | FLG W              | Wind turbine       |
|      | 11648 | SKOGBERGSLIDEN | 652300.2N 0205520.2E | 604          | 1604       | F R/FLG W          | Wind turbine       |
|      | 11649 | SKOGBERGSLIDEN | 652316.0N 0205057.5E | 604          | 1457       | F R/FLG W          | Wind turbine       |
|      | 11650 | SKOGBERGSLIDEN | 652326.9N 0205036.8E | 604          | 1430       | F R/FLG W          | Wind turbine       |
|      | 12868 | MYRHEDEN       | 652101.6N 0200602.7E | 410          | 1740       | F R                | Mast               |
|      | 12875 | ALDERMYRBERGET | 650805.8N 0200546.1E | 492          | 1864       | F R                | Mast               |
|      | 12909 | STORLIDEN      | 652528.2N 0203932.6E | 623          | 1864       | F R                | Wind turbine       |
|      | 12913 | STORLIDEN      | 652427.2N 0204025.3E | 623          | 1896       | F R                | Wind turbine       |
|      | 12914 | STORLIDEN      | 652556.4N 0203943.6E | 623          | 1775       | F R                | Wind turbine       |
|      | 12941 | STORLIDEN      | 652554.8N 0203840.4E | 623          | 1821       | F R                | Wind turbine       |
|      | 12942 | STORLIDEN      | 652543.0N 0203907.4E | 623          | 1831       | F R                | Wind turbine       |
|      | 12943 | STORLIDEN      | 652540.0N 0204006.0E | 623          | 1847       | F R                | Wind turbine       |
|      | 12944 | STORLIDEN      | 652453.2N 0203929.8E | 623          | 1919       | F R                | Wind turbine       |
|      | 12945 | STORLIDEN      | 652412.7N 0204059.0E | 623          | 1860       | F R                | Wind turbine       |
|      | 12954 | STORLIDEN      | 652402.9N 0204126.2E | 623          | 1831       | F R                | Wind turbine       |
|      | 12981 | STORLIDEN      | 652438.7N 0203951.9E | 623          | 1900       | F R                | Wind turbine       |
|      | 12982 | STORLIDEN      | 652602.0N 0203634.6E | 623          | 1900       | F R                | Wind turbine       |
|      | 12983 | STORLIDEN      | 652551.0N 0203729.4E | 623          | 1864       | F R                | Wind turbine       |
|      | 12984 | STORLIDEN      | 652506.3N 0203808.1E | 623          | 1857       | F R                | Wind turbine       |
|      | 12985 | STORLIDEN      | 652537.0N 0203708.0E | 623          | 1860       | F R                | Wind turbine       |
|      | 12986 | STORLIDEN      | 652453.5N 0203832.2E | 623          | 1857       | F R                | Wind turbine       |
|      | 12987 | STORLIDEN      | 652442.1N 0203900.0E | 623          | 1867       | F R                | Wind turbine       |
|      | 12988 | STORLIDEN      | 652540.9N 0203803.4E | 623          | 1854       | F R                | Wind turbine       |
|      | 12989 | STORLIDEN      | 652508.0N 0203909.4E | 623          | 1883       | F R                | Wind turbine       |
|      | 12990 | STORLIDEN      | 652523.2N 0203833.9E | 623          | 1854       | F R                | Wind turbine       |
|      | 13004 | LÅNGTRÅSK      | 652704.3N 0202349.0E | 586          | 986        | FLG W              | Wind turbine       |
|      | 13005 | LÅNGTRÅSK      | 652728.7N 0202302.9E | 586          | 1027       | FLG W              | Wind turbine       |
|      | 13120 | STORLIDEN      | 652430.0N 0203833.1E | 623          | 1824       | F R                | Wind turbine       |
|      | 13122 | STORLIDEN      | 652509.5N 0203729.6E | 623          | 1834       | F R                | Wind turbine       |
|      | 13123 | STORLIDEN      | 652628.4N 0203910.0E | 623          | 1690       | F R                | Wind turbine       |
|      | 13124 | STORLIDEN      | 652613.4N 0203810.2E | 623          | 1814       | F R                | Wind turbine       |
|      | 13125 | STORLIDEN      | 652612.9N 0203906.5E | 623          | 1736       | F R                | Wind turbine       |
|      | 13140 | SVARTLIDEN     | 652044.9N 0204609.8E | 656          | 1572       | F R                | Wind turbine       |
|      | 13141 | SVARTLIDEN     | 652054.1N 0204512.0E | 656          | 1545       | F R                | Wind turbine       |
|      | 13142 | SVARTLIDEN     | 652104.3N 0204426.3E | 656          | 1555       | F R                | Wind turbine       |
|      | 13143 | SVARTLIDEN     | 652111.3N 0204505.1E | 656          | 1713       | F R                | Wind turbine       |
|      | 13144 | SVARTLIDEN     | 652120.9N 0204431.1E | 656          | 1686       | F R                | Wind turbine       |
|      | 13145 | SVARTLIDEN     | 652130.9N 0204357.2E | 656          | 1690       | FLG W              | Wind turbine       |
|      | 13146 | SVARTLIDEN     | 652142.6N 0204432.6E | 656          | 1801       | FLG W              | Wind turbine       |
|      | 13147 | SVARTLIDEN     | 652128.8N 0204508.4E | 656          | 1755       | F R                | Wind turbine       |
|      | 13148 | SVARTLIDEN     | 652118.1N 0204543.2E | 656          | 1739       | F R                | Wind turbine       |
|      | 13149 | SVARTLIDEN     | 652111.0N 0204624.1E | 656          | 1693       | F R                | Wind turbine       |
|      | 13150 | SVARTLIDEN     | 652054.0N 0204647.0E | 656          | 1709       | FLG W              | Wind turbine       |
|      | 13151 | SVARTLIDEN     | 652129.6N 0204311.7E | 656          | 1604       | F R                | Wind turbine       |
|      | 13152 | SVARTLIDEN     | 652132.6N 0204229.2E | 656          | 1588       | F R                | Wind turbine       |
|      | 13153 | SVARTLIDEN     | 652049.6N 0205039.9E | 656          | 1463       | FLG W              | Wind turbine       |
|      | 13154 | SVARTLIDEN     | 652100.9N 0205013.5E | 656          | 1532       | F R                | Wind turbine       |
|      | 13155 | SVARTLIDEN     | 652118.2N 0205040.1E | 656          | 1542       | F R                | Wind turbine       |
|      | 13156 | SVARTLIDEN     | 652115.6N 0204954.0E | 656          | 1581       | F R                | Wind turbine       |
|      | 13157 | SVARTLIDEN     | 652123.9N 0204911.9E | 656          | 1654       | F R                | Wind turbine       |
|      | 13158 | SVARTLIDEN     | 652133.3N 0205019.7E | 656          | 1594       | F R                | Wind turbine       |
|      | 13159 | SVARTLIDEN     | 652147.3N 0204959.4E | 656          | 1631       | F R                | Wind turbine       |
|      | 13160 | SVARTLIDEN     | 652141.5N 0204917.1E | 656          | 1677       | F R                | Wind turbine       |
|      | 13161 | SVARTLIDEN     | 652142.7N 0204834.3E | 656          | 1706       | F R                | Wind turbine       |
|      | 13162 | SVARTLIDEN     | 652157.6N 0204814.0E | 656          | 1680       | F R                | Wind turbine       |
|      | 13163 | SVARTLIDEN     | 652300.3N 0204758.3E | 656          | 1627       | F R                | Wind turbine       |
|      | 13164 | SVARTLIDEN     | 652300.8N 0204837.3E | 656          | 1594       | F R                | Wind turbine       |
|      | 13165 | SVARTLIDEN     | 652316.2N 0204816.4E | 656          | 1562       | F R                | Wind turbine       |
|      | 13166 | SVARTLIDEN     | 652311.8N 0204913.5E | 656          | 1529       | F R                | Wind turbine       |
|      | 13167 | SVARTLIDEN     | 652248.9N 0204907.7E | 656          | 1591       | F R                | Wind turbine       |
|      | 13168 | SVARTLIDEN     | 652250.6N 0204947.8E | 656          | 1545       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |             |                      |              |            |                    |                    |
|---|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 13169 | SVARTLIDEN  | 652304.9N 0205007.8E | 656          | 1467       | F R                | Wind turbine       |
|   | 13170 | SVARTLIDEN  | 652234.6N 0204938.1E | 656          | 1598       | F R                | Wind turbine       |
|   | 13171 | SVARTLIDEN  | 652245.6N 0205027.0E | 656          | 1539       | F R                | Wind turbine       |
|   | 13172 | SVARTLIDEN  | 652239.5N 0205103.6E | 656          | 1509       | F R                | Wind turbine       |
|   | 13173 | SVARTLIDEN  | 652219.2N 0204954.9E | 656          | 1667       | F R                | Wind turbine       |
|   | 13174 | SVARTLIDEN  | 652203.1N 0204943.1E | 656          | 1663       | F R                | Wind turbine       |
|   | 13175 | SVARTLIDEN  | 652227.4N 0205030.6E | 656          | 1617       | F R                | Wind turbine       |
|   | 13176 | SVARTLIDEN  | 652219.5N 0205106.2E | 656          | 1673       | F R                | Wind turbine       |
|   | 13177 | SVARTLIDEN  | 652206.0N 0205129.6E | 656          | 1608       | F R                | Wind turbine       |
|   | 13178 | SVARTLIDEN  | 652200.2N 0205210.3E | 656          | 1499       | F R                | Wind turbine       |
|   | 13179 | SVARTLIDEN  | 652204.8N 0205028.1E | 656          | 1683       | FLG W              | Wind turbine       |
|   | 13180 | SVARTLIDEN  | 652153.9N 0205100.9E | 656          | 1693       | F R                | Wind turbine       |
|   | 13181 | SVARTLIDEN  | 652136.2N 0205100.6E | 656          | 1696       | FLG W              | Wind turbine       |
|   | 13182 | SVARTLIDEN  | 652123.1N 0205129.6E | 656          | 1644       | F R                | Wind turbine       |
|   | 13183 | SVARTLIDEN  | 652113.5N 0205202.9E | 656          | 1555       | F R                | Wind turbine       |
|   | 13184 | SVARTLIDEN  | 652054.3N 0205237.3E | 656          | 1506       | F R                | Wind turbine       |
|   | 13185 | SVARTLIDEN  | 652100.4N 0205137.4E | 656          | 1512       | F R                | Wind turbine       |
|   | 13186 | SVARTLIDEN  | 652103.4N 0205057.6E | 656          | 1496       | FLG W              | Wind turbine       |
|   | 13187 | SVARTLIDEN  | 652143.0N 0205141.7E | 656          | 1617       | F R                | Wind turbine       |
|   | 13188 | SVARTLIDEN  | 652130.7N 0205222.8E | 656          | 1512       | F R                | Wind turbine       |
|   | 13189 | SVARTLIDEN  | 652116.6N 0205244.7E | 656          | 1483       | F R                | Wind turbine       |
|   | 13190 | SVARTLIDEN  | 652126.7N 0205319.2E | 656          | 1378       | F R                | Wind turbine       |
|   | 13191 | SVARTLIDEN  | 652105.8N 0205313.0E | 656          | 1437       | F R                | Wind turbine       |
|   | 13192 | SVARTLIDEN  | 652214.9N 0205303.7E | 656          | 1411       | F R                | Wind turbine       |
|   | 13193 | SVARTLIDEN  | 652232.3N 0205251.5E | 656          | 1440       | F R                | Wind turbine       |
|   | 13194 | SVARTLIDEN  | 652207.1N 0205342.7E | 656          | 1497       | F R                | Wind turbine       |
|   | 13195 | SVARTLIDEN  | 652158.9N 0205422.9E | 656          | 1512       | F R                | Wind turbine       |
|   | 13196 | SVARTLIDEN  | 652143.2N 0205450.3E | 656          | 1437       | F R                | Wind turbine       |
|   | 13197 | SVARTLIDEN  | 652217.4N 0205414.4E | 656          | 1555       | F R                | Wind turbine       |
|   | 13198 | SVARTLIDEN  | 652227.4N 0205337.9E | 656          | 1526       | F R                | Wind turbine       |
|   | 13199 | SVARTLIDEN  | 652150.1N 0205341.5E | 656          | 1417       | FLG W              | Wind turbine       |
|   | 13324 | SVARTLIDEN  | 652316.2N 0204726.5E | 656          | 1575       | F R                | Wind turbine       |
|   | 13325 | SVARTLIDEN  | 652331.2N 0204744.9E | 656          | 1532       | FLG W              | Wind turbine       |
|   | 13330 | SVARTLIDEN  | 652208.3N 0204740.0E | 656          | 1663       | F R                | Wind turbine       |
|   | 13331 | SVARTLIDEN  | 652220.3N 0204710.4E | 656          | 1644       | F R                | Wind turbine       |
|   | 13332 | SVARTLIDEN  | 652207.6N 0204850.9E | 656          | 1693       | F R                | Wind turbine       |
|   | 13333 | SVARTLIDEN  | 652225.5N 0204854.2E | 656          | 1680       | F R                | Wind turbine       |
|   | 13334 | SVARTLIDEN  | 652236.6N 0204658.0E | 656          | 1650       | F R                | Wind turbine       |
|   | 13386 | STORLIDEN   | 652313.0N 0204019.5E | 656          | 1759       | FLG W              | Wind turbine       |
|   | 13387 | STORLIDEN   | 652312.2N 0204105.8E | 656          | 1844       | F R                | Wind turbine       |
|   | 13389 | STORLIDEN   | 652328.3N 0204050.3E | 656          | 1877       | F R                | Wind turbine       |
|   | 13390 | STORLIDEN   | 652340.8N 0204019.4E | 656          | 1857       | F R                | Wind turbine       |
|   | 13391 | STORLIDEN   | 652353.5N 0203952.9E | 656          | 1854       | F R                | Wind turbine       |
|   | 13392 | STORLIDEN   | 652323.3N 0204149.4E | 656          | 1867       | F R                | Wind turbine       |
|   | 13393 | STORLIDEN   | 652358.7N 0203913.3E | 656          | 1795       | FLG W              | Wind turbine       |
|   | 13394 | STORLIDEN   | 652417.1N 0203948.4E | 656          | 1900       | F R                | Wind turbine       |
|   | 13395 | STORLIDEN   | 652406.2N 0204020.5E | 656          | 1900       | F R                | Wind turbine       |
|   | 13396 | STORLIDEN   | 652353.8N 0204049.4E | 656          | 1893       | F R                | Wind turbine       |
|   | 13397 | STORLIDEN   | 652343.9N 0204124.7E | 656          | 1867       | F R                | Wind turbine       |
|   | 13398 | STORLIDEN   | 652348.7N 0204204.3E | 656          | 1814       | F R                | Wind turbine       |
|   | 13399 | STORLIDEN   | 652417.9N 0204145.4E | 656          | 1811       | F R                | Wind turbine       |
|   | 13400 | STORLIDEN   | 652406.5N 0204215.6E | 656          | 1777       | F R                | Wind turbine       |
|   | 13401 | STORLIDEN   | 652354.0N 0204243.6E | 656          | 1760       | F R                | Wind turbine       |
|   | 13402 | STORLIDEN   | 652350.5N 0204342.3E | 656          | 1695       | FLG W              | Wind turbine       |
|   | 13403 | STORLIDEN   | 652407.0N 0204333.6E | 656          | 1678       | F R                | Wind turbine       |
|   | 13404 | STORLIDEN   | 652412.5N 0204255.8E | 656          | 1719       | F R                | Wind turbine       |
|   | 13405 | STORLIDEN   | 652423.0N 0204222.9E | 656          | 1744       | F R                | Wind turbine       |
|   | 13406 | STORLIDEN   | 652437.5N 0204152.1E | 656          | 1765       | F R                | Wind turbine       |
|   | 13407 | STORLIDEN   | 652445.4N 0204116.5E | 656          | 1821       | F R                | Wind turbine       |
|   | 13408 | STORLIDEN   | 652454.1N 0204041.6E | 656          | 1860       | F R                | Wind turbine       |
|   | 13409 | STORLIDEN   | 652506.2N 0204013.3E | 656          | 1901       | F R                | Wind turbine       |
|   | 13410 | STORLIDEN   | 652523.8N 0204017.5E | 656          | 1860       | FLG W              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation   | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|---------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 13411 | STORLIDEN     | 652513.5N 0204051.9E | 656          | 1818       | F R                | Wind turbine       |
|      | 13412 | STORLIDEN     | 652506.4N 0204128.7E | 656          | 1778       | F R                | Wind turbine       |
|      | 13413 | STORLIDEN     | 652540.2N 0204048.8E | 656          | 1816       | F R                | Wind turbine       |
|      | 13414 | STORLIDEN     | 652525.6N 0204141.7E | 656          | 1747       | F R                | Wind turbine       |
|      | 13415 | STORLIDEN     | 652456.9N 0204247.5E | 656          | 1693       | F R                | Wind turbine       |
|      | 13416 | STORLIDEN     | 652505.6N 0204212.3E | 656          | 1719       | F R                | Wind turbine       |
|      | 13417 | STORLIDEN     | 652436.3N 0204254.3E | 656          | 1691       | F R                | Wind turbine       |
|      | 13418 | STORLIDEN     | 652440.2N 0204339.1E | 656          | 1650       | F R                | Wind turbine       |
|      | 13419 | STORLIDEN     | 652423.8N 0204329.5E | 656          | 1678       | F R                | Wind turbine       |
|      | 13420 | STORLIDEN     | 652427.5N 0204409.0E | 656          | 1631       | F R                | Wind turbine       |
|      | 13421 | STORLIDEN     | 652445.1N 0204418.6E | 656          | 1599       | F R                | Wind turbine       |
|      | 13422 | STORLIDEN     | 652421.7N 0204445.9E | 656          | 1594       | F R                | Wind turbine       |
|      | 13423 | STORLIDEN     | 652411.1N 0204415.1E | 656          | 1642       | F R                | Wind turbine       |
|      | 13424 | STORLIDEN     | 652353.5N 0204436.0E | 656          | 1637       | F R                | Wind turbine       |
|      | 13425 | STORLIDEN     | 652406.5N 0204501.4E | 656          | 1604       | F R                | Wind turbine       |
|      | 13426 | STORLIDEN     | 652402.5N 0204540.1E | 656          | 1562       | F R                | Wind turbine       |
|      | 13427 | STORLIDEN     | 652422.9N 0204532.8E | 656          | 1559       | F R                | Wind turbine       |
|      | 13428 | STORLIDEN     | 652422.1N 0204612.9E | 656          | 1522       | F R                | Wind turbine       |
|      | 13429 | STORLIDEN     | 652438.8N 0204613.1E | 656          | 1507       | FLG W              | Wind turbine       |
|      | 13430 | STORLIDEN     | 652452.6N 0204547.6E | 656          | 1542       | F R                | Wind turbine       |
|      | 13431 | STORLIDEN     | 652436.7N 0204509.1E | 656          | 1577       | F R                | Wind turbine       |
|      | 13432 | STORLIDEN     | 652453.6N 0204507.0E | 656          | 1601       | F R                | Wind turbine       |
|      | 13433 | STORLIDEN     | 652504.9N 0204433.1E | 656          | 1652       | F R                | Wind turbine       |
|      | 13434 | STORLIDEN     | 652459.1N 0204347.7E | 656          | 1640       | F R                | Wind turbine       |
|      | 13435 | STORLIDEN     | 652517.9N 0204401.5E | 656          | 1706       | F R                | Wind turbine       |
|      | 13436 | STORLIDEN     | 652523.9N 0204315.5E | 656          | 1712       | F R                | Wind turbine       |
|      | 13437 | STORLIDEN     | 652534.6N 0204235.2E | 656          | 1739       | F R                | Wind turbine       |
|      | 13438 | STORLIDEN     | 652548.4N 0204259.4E | 656          | 1791       | F R                | Wind turbine       |
|      | 13439 | STORLIDEN     | 652559.3N 0204221.2E | 656          | 1798       | F R                | Wind turbine       |
|      | 13440 | STORLIDEN     | 652600.8N 0204114.2E | 656          | 1752       | F R                | Wind turbine       |
|      | 13441 | STORLIDEN     | 652548.4N 0204148.4E | 656          | 1771       | F R                | Wind turbine       |
|      | 13442 | STORLIDEN     | 652539.0N 0204338.3E | 656          | 1744       | F R                | Wind turbine       |
|      | 13443 | STORLIDEN     | 652534.6N 0204418.0E | 656          | 1696       | F R                | Wind turbine       |
|      | 13444 | STORLIDEN     | 652521.3N 0204442.6E | 656          | 1657       | F R                | Wind turbine       |
|      | 13445 | STORLIDEN     | 652534.4N 0204508.2E | 656          | 1594       | F R                | Wind turbine       |
|      | 13446 | STORLIDEN     | 652511.6N 0204512.9E | 656          | 1613       | F R                | Wind turbine       |
|      | 13447 | STORLIDEN     | 652518.2N 0204552.1E | 656          | 1613       | F R                | Wind turbine       |
|      | 13448 | STORLIDEN     | 652535.1N 0204548.5E | 656          | 1527       | FLG W              | Wind turbine       |
|      | 13449 | STORLIDEN     | 652558.6N 0204512.1E | 656          | 1570       | F R                | Wind turbine       |
|      | 13450 | SKOGBERGLIDEN | 652123.7N 0205822.1E | 656          | 1273       | F R                | Wind turbine       |
|      | 13451 | SKOGBERGLIDEN | 652115.9N 0205859.6E | 656          | 1217       | FLG W              | Wind turbine       |
|      | 13452 | SKOGBERGLIDEN | 652142.8N 0205802.0E | 656          | 1283       | F R                | Wind turbine       |
|      | 13453 | SKOGBERGLIDEN | 652138.8N 0205844.4E | 656          | 1198       | F R                | Wind turbine       |
|      | 13454 | SKOGBERGLIDEN | 652156.0N 0205830.5E | 656          | 1211       | FLG W              | Wind turbine       |
|      | 13455 | SKOGBERGLIDEN | 652142.4N 0205721.4E | 656          | 1358       | FLG W              | Wind turbine       |
|      | 13456 | SKOGBERGLIDEN | 652158.0N 0205743.7E | 656          | 1286       | F R                | Wind turbine       |
|      | 13457 | SKOGBERGLIDEN | 652156.9N 0205653.6E | 656          | 1378       | F R                | Wind turbine       |
|      | 13458 | SKOGBERGLIDEN | 652216.5N 0205650.1E | 656          | 1352       | F R                | Wind turbine       |
|      | 13459 | SKOGBERGLIDEN | 652240.6N 0205622.3E | 656          | 1446       | F R                | Wind turbine       |
|      | 13460 | SKOGBERGLIDEN | 652239.3N 0205710.8E | 656          | 1293       | F R                | Wind turbine       |
|      | 13461 | SKOGBERGLIDEN | 652223.8N 0205725.9E | 656          | 1286       | F R                | Wind turbine       |
|      | 13462 | SKOGBERGLIDEN | 652251.9N 0205637.9E | 656          | 1352       | F R                | Wind turbine       |
|      | 13463 | SKOGBERGLIDEN | 652308.1N 0205616.8E | 656          | 1372       | F R                | Wind turbine       |
|      | 13464 | SKOGBERGLIDEN | 652315.8N 0205653.4E | 656          | 1276       | FLG W              | Wind turbine       |
|      | 13465 | SKOGBERGLIDEN | 652325.1N 0205619.6E | 656          | 1299       | F R                | Wind turbine       |
|      | 13466 | SKOGBERGLIDEN | 652325.3N 0205538.6E | 656          | 1411       | F R                | Wind turbine       |
|      | 13467 | SKOGBERGLIDEN | 652342.4N 0205537.8E | 656          | 1316       | F R                | Wind turbine       |
|      | 13468 | SKOGBERGLIDEN | 652331.5N 0205458.0E | 656          | 1434       | F R                | Wind turbine       |
|      | 13469 | SKOGBERGLIDEN | 652340.0N 0205422.2E | 656          | 1434       | F R                | Wind turbine       |
|      | 13470 | SKOGBERGLIDEN | 652342.3N 0205334.6E | 656          | 1463       | F R                | Wind turbine       |
|      | 13471 | SKOGBERGLIDEN | 652340.6N 0205253.6E | 656          | 1509       | F R                | Wind turbine       |
|      | 13472 | SKOGBERGLIDEN | 652312.3N 0205203.1E | 656          | 1568       | F R                | Wind turbine       |



| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                |                      |              |            |                    |                    |
|---|-------|----------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation    | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 13473 | SKOGBERGSLIDEN | 652346.2N 0205133.8E | 656          | 1444       | FLG W              | Wind turbine       |
|   | 13474 | SKOGBERGSLIDEN | 652345.5N 0205215.0E | 656          | 1454       | F R                | Wind turbine       |
|   | 13475 | SKOGBERGSLIDEN | 652355.7N 0205449.8E | 656          | 1339       | F R                | Wind turbine       |
|   | 13476 | SKOGBERGSLIDEN | 652405.5N 0205533.5E | 656          | 1234       | FLG W              | Wind turbine       |
|   | 13477 | SKOGBERGSLIDEN | 652353.7N 0205613.3E | 656          | 1247       | F R                | Wind turbine       |
|   | 13478 | SKOGBERGSLIDEN | 652408.9N 0205622.2E | 656          | 1224       | F R                | Wind turbine       |
|   | 13479 | SKOGBERGSLIDEN | 652354.0N 0205649.6E | 656          | 1250       | F R                | Wind turbine       |
|   | 13480 | SKOGBERGSLIDEN | 652409.1N 0205711.8E | 656          | 1217       | F R                | Wind turbine       |
|   | 13481 | SKOGBERGSLIDEN | 652402.3N 0205747.9E | 656          | 1214       | FLG W              | Wind turbine       |
|   | 13482 | SVARTLIDEN     | 652147.5N 0204350.2E | 656          | 1808       | F R                | Wind turbine       |
|   | 13483 | SVARTLIDEN     | 652158.2N 0204321.6E | 656          | 1831       | FLG W              | Wind turbine       |
|   | 13484 | SVARTLIDEN     | 652100.4N 0204552.6E | 656          | 1673       | F R                | Wind turbine       |
|   | 13485 | SVARTLIDEN     | 652218.6N 0204817.1E | 656          | 1729       | F R                | Wind turbine       |
|   | 13486 | SVARTLIDEN     | 652240.6N 0204824.5E | 656          | 1673       | F R                | Wind turbine       |
|   | 13487 | SVARTLIDEN     | 652231.9N 0204744.2E | 656          | 1778       | F R                | Wind turbine       |
|   | 13488 | SVARTLIDEN     | 652247.9N 0204728.2E | 656          | 1726       | F R                | Wind turbine       |
|   | 13489 | SVARTLIDEN     | 652301.7N 0204703.4E | 656          | 1693       | FLG W              | Wind turbine       |
|   | 13490 | STORLIDEN      | 652552.4N 0204426.1E | 656          | 1647       | F R                | Wind turbine       |
|   | 13491 | STORLIDEN      | 652611.9N 0204447.6E | 656          | 1578       | F R                | Wind turbine       |
|   | 13492 | STORLIDEN      | 652626.2N 0204425.4E | 656          | 1558       | FLG W              | Wind turbine       |
|   | 13493 | STORLIDEN      | 652632.6N 0204351.2E | 656          | 1594       | F R                | Wind turbine       |
|   | 13494 | STORLIDEN      | 652620.7N 0204328.7E | 656          | 1686       | F R                | Wind turbine       |
|   | 13495 | STORLIDEN      | 652634.5N 0204302.0E | 656          | 1690       | F R                | Wind turbine       |
|   | 13496 | STORLIDEN      | 652700.2N 0204318.0E | 656          | 1588       | FLG W              | Wind turbine       |
|   | 13497 | STORLIDEN      | 652555.9N 0204025.8E | 656          | 1755       | FLG W              | Wind turbine       |
|   | 13498 | STORLIDEN      | 652646.6N 0204344.1E | 656          | 1587       | F R                | Wind turbine       |
|   | 13885 | STORLIDEN      | 652628.1N 0203720.8E | 650          | 1839       | F R                | Wind turbine       |
|   | 13886 | STORLIDEN      | 652616.5N 0203659.6E | 650          | 1883       | F R                | Wind turbine       |
|   | 13887 | STORLIDEN      | 652618.0N 0203621.6E | 650          | 1932       | F R                | Wind turbine       |
|   | 13888 | STORLIDEN      | 652630.5N 0203645.5E | 650          | 1870       | F R                | Wind turbine       |
|   | 13889 | STORLIDEN      | 652646.2N 0203651.0E | 650          | 1823       | F R                | Wind turbine       |
|   | 13890 | STORLIDEN      | 652639.7N 0203610.0E | 650          | 1890       | F R                | Wind turbine       |
|   | 13891 | STORLIDEN      | 652610.4N 0203733.8E | 650          | 1863       | F R                | Wind turbine       |
|   | 13892 | STORLIDEN      | 652629.3N 0203822.8E | 650          | 1768       | F R                | Wind turbine       |
|   | 13893 | STORLIDEN      | 652642.0N 0203727.3E | 650          | 1786       | F R                | Wind turbine       |
|   | 13894 | STORLIDEN      | 652701.7N 0203721.0E | 650          | 1706       | F R                | Wind turbine       |
|   | 13895 | STORLIDEN      | 652659.1N 0203634.0E | 650          | 1781       | F R                | Wind turbine       |
|   | 13896 | STORLIDEN      | 652649.2N 0203846.0E | 650          | 1697       | F R                | Wind turbine       |
|   | 13942 | STORLIDEN      | 652704.1N 0203815.2E | 650          | 1684       | F R                | Wind turbine       |
|   | 13943 | STORLIDEN      | 652723.5N 0203726.6E | 650          | 1606       | F R                | Wind turbine       |
|   | 13944 | STORLIDEN      | 652712.7N 0203657.0E | 650          | 1684       | FLG W              | Wind turbine       |
|   | 13945 | STORLIDEN      | 652629.7N 0203542.3E | 650          | 1926       | F R                | Wind turbine       |
|   | 13946 | STORLIDEN      | 652726.4N 0203814.1E | 650          | 1612       | F R                | Wind turbine       |
|   | 13947 | STORLIDEN      | 652445.2N 0203755.8E | 650          | 1836       | F R                | Wind turbine       |
|   | 13948 | STORLIDEN      | 652551.3N 0203552.8E | 650          | 1886       | F R                | Wind turbine       |
|   | 13949 | STORLIDEN      | 652531.8N 0203612.1E | 650          | 1841       | FLG W              | Wind turbine       |
|   | 13950 | STORLIDEN      | 652523.1N 0203646.8E | 650          | 1842       | F R                | Wind turbine       |
|   | 13951 | STORLIDEN      | 652615.2N 0203528.8E | 650          | 1916       | FLG W              | Wind turbine       |
|   | 14022 | LÅNGTRÅSK      | 652716.3N 0202233.4E | 656          | 2051       | FLG W              | Wind turbine       |
|   | 14130 | S BRÄNNTRÅSK   | 653436.9N 0201827.8E | 591          | 2051       | FLG W              | Wind turbine       |
|   | 14131 | ALDERMYRBERGET | 650909.6N 0200628.6E | 755          | 1969       | FLG W              | Wind turbine       |
|   | 14132 | ALDERMYRBERGET | 650858.6N 0200637.7E | 755          | 1969       | F R                | Wind turbine       |
|   | 14133 | ALDERMYRBERGET | 650845.3N 0200718.4E | 755          | 2073       | FLG W              | Wind turbine       |
|   | 14134 | ALDERMYRBERGET | 650836.2N 0200435.7E | 755          | 1886       | F R                | Wind turbine       |
|   | 14135 | ALDERMYRBERGET | 650834.5N 0200356.1E | 755          | 1831       | FLG W              | Wind turbine       |
|   | 14136 | ALDERMYRBERGET | 650834.0N 0200634.2E | 755          | 2146       | F R                | Wind turbine       |
|   | 14137 | ALDERMYRBERGET | 650823.3N 0200601.6E | 755          | 2208       | F R                | Wind turbine       |
|   | 14138 | ALDERMYRBERGET | 650824.2N 0200637.1E | 755          | 2198       | F R                | Wind turbine       |
|   | 14139 | ALDERMYRBERGET | 650810.7N 0200614.7E | 755          | 2185       | F R                | Wind turbine       |
|   | 14140 | ALDERMYRBERGET | 650811.8N 0200453.7E | 755          | 1972       | F R                | Wind turbine       |
|   | 14141 | ALDERMYRBERGET | 650800.5N 0200654.9E | 755          | 2014       | F R                | Wind turbine       |
|   | 14142 | ALDERMYRBERGET | 650801.7N 0200540.9E | 755          | 2113       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation    | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|----------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 14143 | ALDERMYRBERGET | 650755.8N 0200624.7E | 755          | 2080       | F R                | Wind turbine       |
|      | 14144 | ALDERMYRBERGET | 650741.6N 0200652.0E | 755          | 1975       | FLG W              | Wind turbine       |
|      | 14145 | ALDERMYRBERGET | 650740.8N 0200626.0E | 755          | 2060       | F R                | Wind turbine       |
|      | 14146 | ALDERMYRBERGET | 650738.3N 0200415.9E | 755          | 1972       | FLG W              | Wind turbine       |
|      | 14147 | ALDERMYRBERGET | 650734.9N 0200527.8E | 755          | 1873       | FLG W              | Wind turbine       |
|      | 14155 | S BRÄNNTRÄSK   | 653511.0N 0201751.6E | 656          | 1808       | F R                | Wind turbine       |
|      | 14156 | S BRÄNNTRÄSK   | 653520.9N 0201845.8E | 656          | 1775       | FLG W              | Wind turbine       |
|      | 14157 | S BRÄNNTRÄSK   | 653506.8N 0201831.6E | 656          | 1909       | F R                | Wind turbine       |
|      | 14158 | S BRÄNNTRÄSK   | 653454.5N 0201753.7E | 656          | 1952       | F R                | Wind turbine       |
|      | 14159 | S BRÄNNTRÄSK   | 653450.9N 0201830.1E | 656          | 2024       | F R                | Wind turbine       |
|      | 14160 | S BRÄNNTRÄSK   | 653444.3N 0201712.4E | 656          | 1831       | F R                | Wind turbine       |
|      | 14161 | S BRÄNNTRÄSK   | 653440.1N 0201747.9E | 656          | 2031       | F R                | Wind turbine       |
|      | 14162 | S BRÄNNTRÄSK   | 653427.6N 0201720.0E | 656          | 1900       | FLG W              | Wind turbine       |
|      | 14163 | S BRÄNNTRÄSK   | 653423.6N 0201755.8E | 591          | 2024       | FLG W              | Wind turbine       |
|      | 14164 | S BRÄNNTRÄSK   | 653410.6N 0201653.0E | 656          | 1903       | FLG W              | Wind turbine       |
|      | 14165 | S BRÄNNTRÄSK   | 653409.6N 0201733.3E | 656          | 2005       | FLG W              | Wind turbine       |
|      | 14166 | S BRÄNNTRÄSK   | 653407.2N 0201807.0E | 591          | 2051       | FLG W              | Wind turbine       |
|      | 14167 | S BRÄNNTRÄSK   | 653357.0N 0201700.9E | 656          | 1975       | FLG W              | Wind turbine       |
|      | 14168 | S BRÄNNTRÄSK   | 653348.3N 0201728.5E | 591          | 2028       | F R                | Wind turbine       |
|      | 14169 | S BRÄNNTRÄSK   | 653340.0N 0201755.8E | 591          | 2044       | FLG W              | Wind turbine       |
|      | 14170 | S BRÄNNTRÄSK   | 653336.0N 0201657.6E | 591          | 2057       | F R                | Wind turbine       |
|      | 14171 | S BRÄNNTRÄSK   | 653502.6N 0201327.3E | 591          | 2024       | FLG W              | Wind turbine       |
|      | 14172 | S BRÄNNTRÄSK   | 653453.3N 0201355.1E | 656          | 1985       | F R                | Wind turbine       |
|      | 14173 | S BRÄNNTRÄSK   | 653447.3N 0201427.8E | 656          | 1926       | F R                | Wind turbine       |
|      | 14174 | S BRÄNNTRÄSK   | 653434.4N 0201401.8E | 656          | 1936       | F R                | Wind turbine       |
|      | 14175 | S BRÄNNTRÄSK   | 653413.6N 0201349.9E | 656          | 1978       | FLG W              | Wind turbine       |
|      | 14176 | S BRÄNNTRÄSK   | 653411.7N 0201428.0E | 656          | 1886       | F R                | Wind turbine       |
|      | 14177 | S BRÄNNTRÄSK   | 653405.1N 0201457.1E | 656          | 1913       | F R                | Wind turbine       |
|      | 14178 | S BRÄNNTRÄSK   | 653356.6N 0201524.6E | 656          | 1942       | F R                | Wind turbine       |
|      | 14179 | S BRÄNNTRÄSK   | 653350.8N 0201419.1E | 656          | 1893       | F R                | Wind turbine       |
|      | 14180 | S BRÄNNTRÄSK   | 653345.1N 0201452.7E | 656          | 1919       | F R                | Wind turbine       |
|      | 14181 | S BRÄNNTRÄSK   | 653345.9N 0201547.4E | 656          | 2005       | F R                | Wind turbine       |
|      | 14182 | S BRÄNNTRÄSK   | 653335.0N 0201517.6E | 656          | 1972       | F R                | Wind turbine       |
|      | 14183 | S BRÄNNTRÄSK   | 653332.4N 0201557.3E | 656          | 2067       | F R                | Wind turbine       |
|      | 14184 | S BRÄNNTRÄSK   | 653321.5N 0201523.3E | 656          | 2051       | F R                | Wind turbine       |
|      | 14185 | S BRÄNNTRÄSK   | 653318.2N 0201607.5E | 591          | 2044       | F R                | Wind turbine       |
|      | 14186 | S BRÄNNTRÄSK   | 653312.9N 0201428.3E | 656          | 1913       | F R                | Wind turbine       |
|      | 14187 | S BRÄNNTRÄSK   | 653305.2N 0201505.4E | 656          | 2037       | F R                | Wind turbine       |
|      | 14188 | S BRÄNNTRÄSK   | 653259.1N 0201538.9E | 591          | 2047       | F R                | Wind turbine       |
|      | 14189 | S BRÄNNTRÄSK   | 653247.1N 0201606.1E | 591          | 2047       | F R                | Wind turbine       |
|      | 14190 | S BRÄNNTRÄSK   | 653236.1N 0201623.5E | 591          | 2005       | F R                | Wind turbine       |
|      | 14191 | S BRÄNNTRÄSK   | 653227.2N 0201648.8E | 656          | 2011       | F R                | Wind turbine       |
|      | 14192 | S BRÄNNTRÄSK   | 653219.8N 0201720.7E | 656          | 1962       | F R                | Wind turbine       |
|      | 14193 | S BRÄNNTRÄSK   | 653208.1N 0201736.1E | 656          | 1942       | FLG W              | Wind turbine       |
|      | 14194 | S BRÄNNTRÄSK   | 653251.0N 0201459.9E | 656          | 1998       | F R                | Wind turbine       |
|      | 14195 | S BRÄNNTRÄSK   | 653230.6N 0201543.2E | 656          | 2037       | F R                | Wind turbine       |
|      | 14196 | S BRÄNNTRÄSK   | 653221.0N 0201607.2E | 656          | 1985       | F R                | Wind turbine       |
|      | 14197 | S BRÄNNTRÄSK   | 653213.0N 0201642.0E | 656          | 1962       | F R                | Wind turbine       |
|      | 14198 | S BRÄNNTRÄSK   | 653237.4N 0201441.3E | 656          | 1877       | F R                | Wind turbine       |
|      | 14199 | S BRÄNNTRÄSK   | 653226.4N 0201502.5E | 656          | 1890       | FLG W              | Wind turbine       |
|      | 14200 | S BRÄNNTRÄSK   | 653234.4N 0201126.5E | 591          | 2034       | FLG W              | Wind turbine       |
|      | 14201 | S BRÄNNTRÄSK   | 653149.8N 0200920.9E | 591          | 2031       | F R                | Wind turbine       |
|      | 14202 | S BRÄNNTRÄSK   | 653221.1N 0200925.3E | 591          | 2051       | FLG W              | Wind turbine       |
|      | 14203 | S BRÄNNTRÄSK   | 653222.0N 0201011.9E | 591          | 2034       | F R                | Wind turbine       |
|      | 14239 | KLÖVERFORS     | 650515.8N 0203519.1E | 492          | 1614       | F R                | Mast               |
|      | 14829 | FAGERHEDEN     | 651855.4N 0205027.6E | 656          | 1603       | F R                | Wind turbine       |
|      | 14830 | FAGERHEDEN     | 651838.3N 0205048.8E | 656          | 1618       | F R                | Wind turbine       |
|      | 14831 | FAGERHEDEN     | 651817.5N 0205048.8E | 656          | 1618       | F R                | Wind turbine       |
|      | 14832 | FAGERHEDEN     | 651807.1N 0205122.2E | 656          | 1622       | F R                | Wind turbine       |
|      | 14833 | FAGERHEDEN     | 651802.6N 0205200.9E | 656          | 1627       | F R                | Wind turbine       |
|      | 14834 | FAGERHEDEN     | 651849.8N 0205203.4E | 656          | 1668       | F R                | Wind turbine       |
|      | 14835 | FAGERHEDEN     | 651905.5N 0205217.9E | 656          | 1600       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |             |                      |              |            |                    |                    |
|---|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 14836 | FAGERHEDEN  | 651845.2N 0205248.5E | 656          | 1660       | F R                | Wind turbine       |
|   | 14837 | FAGERHEDEN  | 651832.0N 0205303.0E | 656          | 1709       | F R                | Wind turbine       |
|   | 14838 | FAGERHEDEN  | 651836.4N 0205337.2E | 656          | 1646       | FLG W              | Wind turbine       |
|   | 14839 | FAGERHEDEN  | 651814.9N 0205342.4E | 656          | 1635       | F R                | Wind turbine       |
|   | 14840 | FAGERHEDEN  | 651706.4N 0205341.8E | 656          | 1559       | F R                | Wind turbine       |
|   | 14841 | FAGERHEDEN  | 651744.4N 0205440.2E | 656          | 1544       | F R                | Wind turbine       |
|   | 14842 | FAGERHEDEN  | 651800.1N 0205427.3E | 656          | 1578       | FLG W              | Wind turbine       |
|   | 14843 | FAGERHEDEN  | 651817.6N 0205422.6E | 656          | 1601       | F R                | Wind turbine       |
|   | 14844 | FAGERHEDEN  | 651655.8N 0205237.5E | 656          | 1507       | F R                | Wind turbine       |
|   | 14845 | FAGERHEDEN  | 651644.2N 0205304.4E | 656          | 1521       | FLG W              | Wind turbine       |
|   | 14846 | FAGERHEDEN  | 651645.4N 0205411.3E | 656          | 1524       | F R                | Wind turbine       |
|   | 14847 | FAGERHEDEN  | 651634.9N 0205338.4E | 656          | 1501       | F R                | Wind turbine       |
|   | 14848 | FAGERHEDEN  | 651623.6N 0205434.9E | 656          | 1475       | F R                | Wind turbine       |
|   | 14849 | FAGERHEDEN  | 651638.5N 0205458.1E | 656          | 1499       | F R                | Wind turbine       |
|   | 14850 | FAGERHEDEN  | 651625.1N 0205550.3E | 656          | 1470       | F R                | Wind turbine       |
|   | 14851 | FAGERHEDEN  | 651729.2N 0205418.3E | 656          | 1601       | F R                | Wind turbine       |
|   | 14852 | FAGERHEDEN  | 651720.5N 0205506.9E | 656          | 1514       | F R                | Wind turbine       |
|   | 14853 | FAGERHEDEN  | 651718.1N 0205543.3E | 656          | 1492       | F R                | Wind turbine       |
|   | 14854 | FAGERHEDEN  | 651701.5N 0205524.4E | 656          | 1491       | F R                | Wind turbine       |
|   | 14855 | FAGERHEDEN  | 651648.1N 0205614.8E | 656          | 1478       | F R                | Wind turbine       |
|   | 14856 | FAGERHEDEN  | 651655.2N 0205656.0E | 656          | 1456       | FLG W              | Wind turbine       |
|   | 14857 | FAGERHEDEN  | 651611.2N 0205521.8E | 656          | 1446       | FLG W              | Wind turbine       |
|   | 14858 | FAGERHEDEN  | 651602.9N 0205604.3E | 656          | 1457       | FLG W              | Wind turbine       |
|   | 14951 | PITEÅ       | 651559.2N 0205534.2E | 381          | 1145       | F R                | Mast               |
|   | 14952 | PITEÅ       | 652110.7N 0203549.6E | 381          | 1453       | F R                | Mast               |
|   | 14953 | PITEÅ       | 652208.5N 0203711.4E | 381          | 1467       | F R                | Mast               |
|   | 15096 | BOLIDEN     | 650002.2N 0202018.9E | 656          | 1755       | FLG R              | Wind turbine       |
|   | 15097 | BOLIDEN     | 650018.2N 0201927.9E | 656          | 1752       | FLG W              | Wind turbine       |
|   | 15098 | BOLIDEN     | 650002.9N 0201907.1E | 656          | 1739       | FLG R              | Wind turbine       |
|   | 15099 | BOLIDEN     | 650042.7N 0201917.2E | 656          | 1713       | FLG R              | Wind turbine       |
|   | 15100 | BOLIDEN     | 650033.9N 0201831.3E | 656          | 1713       | FLG R              | Wind turbine       |
|   | 15101 | BOLIDEN     | 650057.9N 0201834.5E | 656          | 1732       | FLG W              | Wind turbine       |
|   | 15102 | BOLIDEN     | 650106.2N 0201708.3E | 656          | 1667       | FLG W              | Wind turbine       |
|   | 15103 | BOLIDEN     | 650044.0N 0201729.9E | 656          | 1686       | FLG W              | Wind turbine       |
|   | 15104 | FAGERHEDEN  | 651933.8N 0204943.8E | 656          | 1545       | FLG W              | Wind turbine       |
|   | 15105 | FAGERHEDEN  | 651919.0N 0204842.9E | 656          | 1604       | F R                | Wind turbine       |
|   | 15106 | FAGERHEDEN  | 651913.5N 0205003.4E | 656          | 1592       | F R                | Wind turbine       |
|   | 15107 | FAGERHEDEN  | 651744.5N 0205135.0E | 656          | 1564       | F R                | Wind turbine       |
|   | 15108 | FAGERHEDEN  | 651730.4N 0205201.9E | 656          | 1547       | F R                | Wind turbine       |
|   | 15109 | FAGERHEDEN  | 651718.2N 0205229.4E | 656          | 1552       | F R                | Wind turbine       |
|   | 15110 | FAGERHEDEN  | 651726.3N 0205309.5E | 656          | 1588       | F R                | Wind turbine       |
|   | 15111 | FAGERHEDEN  | 651928.2N 0205033.1E | 656          | 1578       | F R                | Wind turbine       |
|   | 15112 | FAGERHEDEN  | 651918.0N 0205144.9E | 656          | 1582       | FLG W              | Wind turbine       |
|   | 15113 | FAGERHEDEN  | 651913.8N 0205059.4E | 656          | 1612       | F R                | Wind turbine       |
|   | 15114 | FAGERHEDEN  | 651858.6N 0205123.0E | 656          | 1633       | F R                | Wind turbine       |
|   | 15115 | FAGERHEDEN  | 651751.3N 0205328.6E | 656          | 1605       | F R                | Wind turbine       |
|   | 15116 | FAGERHEDEN  | 651633.6N 0205635.9E | 656          | 1443       | F R                | Wind turbine       |
|   | 15117 | FAGERHEDEN  | 651631.7N 0205715.3E | 656          | 1429       | F R                | Wind turbine       |
|   | 15118 | FAGERHEDEN  | 651640.8N 0205737.2E | 656          | 1439       | F R                | Wind turbine       |
|   | 15119 | FAGERHEDEN  | 651555.0N 0205850.3E | 656          | 1385       | F R                | Wind turbine       |
|   | 15120 | FAGERHEDEN  | 651538.3N 0205915.5E | 656          | 1340       | FLG W              | Wind turbine       |
|   | 15121 | FAGERHEDEN  | 651618.4N 0205901.1E | 656          | 1380       | FLG W              | Wind turbine       |
|   | 15122 | FAGERHEDEN  | 651547.8N 0205816.9E | 656          | 1380       | F R                | Wind turbine       |
|   | 15123 | FAGERHEDEN  | 651603.7N 0205744.9E | 656          | 1407       | F R                | Wind turbine       |
|   | 15124 | FAGERHEDEN  | 651914.6N 0204653.9E | 656          | 1688       | FLG W              | Wind turbine       |
|   | 15125 | FAGERHEDEN  | 651902.8N 0204727.0E | 656          | 1679       | F R                | Wind turbine       |
|   | 15126 | FAGERHEDEN  | 651832.6N 0204808.7E | 656          | 1718       | F R                | Wind turbine       |
|   | 15127 | FAGERHEDEN  | 651815.7N 0204730.0E | 656          | 1763       | F R                | Wind turbine       |
|   | 15128 | FAGERHEDEN  | 651805.7N 0204758.4E | 656          | 1747       | F R                | Wind turbine       |
|   | 15129 | FAGERHEDEN  | 651816.9N 0204912.7E | 656          | 1639       | F R                | Wind turbine       |
|   | 15130 | FAGERHEDEN  | 651832.2N 0204930.9E | 656          | 1597       | FLG W              | Wind turbine       |
|   | 15131 | FAGERHEDEN  | 651758.0N 0204846.5E | 656          | 1743       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|------|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
|      | 15132 | FAGERHEDEN  | 651749.1N 0204816.5E | 656          | 1767       | F R                | Wind turbine       |
|      | 15133 | FAGERHEDEN  | 651741.9N 0204853.5E | 656          | 1728       | F R                | Wind turbine       |
|      | 15134 | FAGERHEDEN  | 651750.2N 0204934.6E | 656          | 1684       | F R                | Wind turbine       |
|      | 15135 | FAGERHEDEN  | 651731.1N 0204934.7E | 656          | 1655       | F R                | Wind turbine       |
|      | 15136 | FAGERHEDEN  | 651721.5N 0205000.7E | 656          | 1617       | FLG W              | Wind turbine       |
|      | 15137 | FAGERHEDEN  | 651712.0N 0205032.6E | 656          | 1572       | F R                | Wind turbine       |
|      | 15138 | FAGERHEDEN  | 651855.0N 0204519.6E | 656          | 1785       | F R                | Wind turbine       |
|      | 15139 | FAGERHEDEN  | 651847.5N 0204617.1E | 656          | 1773       | F R                | Wind turbine       |
|      | 15140 | FAGERHEDEN  | 651841.3N 0204720.0E | 656          | 1731       | F R                | Wind turbine       |
|      | 15141 | FAGERHEDEN  | 651923.0N 0204501.2E | 656          | 1800       | F R                | Wind turbine       |
|      | 15142 | FAGERHEDEN  | 651911.7N 0204531.2E | 656          | 1781       | F R                | Wind turbine       |
|      | 15292 | ÄLVSBYN     | 652705.3N 0204111.1E | 653          | 1748       | F R                | Wind turbine       |
|      | 15293 | ÄLVSBYN     | 652704.0N 0204110.8E | 653          | 1736       | F R                | Wind turbine       |
|      | 15294 | ÄLVSBYN     | 652701.7N 0204212.2E | 653          | 1683       | F R                | Wind turbine       |
|      | 15295 | ÄLVSBYN     | 652650.4N 0204130.3E | 653          | 1755       | F R                | Wind turbine       |
|      | 15296 | ÄLVSBYN     | 652646.9N 0204227.2E | 653          | 1701       | F R                | Wind turbine       |
|      | 15297 | ÄLVSBYN     | 652632.7N 0204136.6E | 653          | 1763       | F R                | Wind turbine       |
|      | 15298 | ÄLVSBYN     | 652734.3N 0203907.7E | 653          | 1628       | FLG W              | Wind turbine       |
|      | 15299 | ÄLVSBYN     | 652727.7N 0204001.9E | 653          | 1670       | F R                | Wind turbine       |
|      | 15300 | ÄLVSBYN     | 652625.4N 0204003.8E | 653          | 1726       | F R                | Wind turbine       |
|      | 15301 | ÄLVSBYN     | 652616.9N 0204036.7E | 653          | 1765       | F R                | Wind turbine       |
|      | 15302 | ÄLVSBYN     | 652643.2N 0204007.8E | 653          | 1752       | F R                | Wind turbine       |
|      | 15303 | ÄLVSBYN     | 652700.8N 0203938.1E | 653          | 1742       | F R                | Wind turbine       |
|      | 15304 | ÄLVSBYN     | 652713.3N 0203918.1E | 653          | 1707       | F R                | Wind turbine       |
|      | 15305 | ÄLVSBYN     | 652713.6N 0204016.2E | 653          | 1726       | F R                | Wind turbine       |
|      | 15306 | ÄLVSBYN     | 652656.7N 0204038.3E | 653          | 1768       | F R                | Wind turbine       |
|      | 15307 | ÄLVSBYN     | 652740.5N 0204057.3E | 653          | 1643       | F R                | Wind turbine       |
|      | 15308 | ÄLVSBYN     | 652735.5N 0204133.8E | 653          | 1649       | FLG W              | Wind turbine       |
|      | 15309 | ÄLVSBYN     | 652718.6N 0204238.5E | 653          | 1605       | FLG W              | Wind turbine       |
|      | 15310 | ÄLVSBYN     | 652619.1N 0204243.2E | 653          | 1748       | FLG W              | Wind turbine       |
|      | 15311 | ÄLVSBYN     | 652632.6N 0204216.9E | 653          | 1772       | F R                | Wind turbine       |
|      | 15351 | LÄNGTRÄSK   | 652331.0N 0203620.1E | 656          | 1936       | FLG W              | Wind turbine       |
|      | 15352 | LÄNGTRÄSK   | 652323.7N 0203719.4E | 656          | 1978       | F R                | Wind turbine       |
|      | 15353 | LÄNGTRÄSK   | 652317.2N 0203640.7E | 656          | 1919       | F R                | Wind turbine       |
|      | 15354 | LÄNGTRÄSK   | 652312.3N 0203746.8E | 656          | 1932       | FLG W              | Wind turbine       |
|      | 15355 | LÄNGTRÄSK   | 652303.8N 0203702.9E | 656          | 1932       | FLG W              | Wind turbine       |
|      | 15356 | LÄNGTRÄSK   | 652254.0N 0203743.1E | 656          | 1932       | F R                | Wind turbine       |
|      | 15357 | LÄNGTRÄSK   | 652211.8N 0203735.8E | 656          | 1706       | F R                | Wind turbine       |
|      | 15358 | LÄNGTRÄSK   | 652157.9N 0203709.4E | 656          | 1706       | F R                | Wind turbine       |
|      | 15359 | LÄNGTRÄSK   | 652157.2N 0203753.5E | 656          | 1706       | FLG W              | Wind turbine       |
|      | 15360 | LÄNGTRÄSK   | 652142.9N 0203650.1E | 656          | 1752       | F R                | Wind turbine       |
|      | 15361 | LÄNGTRÄSK   | 652135.9N 0203735.8E | 656          | 1791       | F R                | Wind turbine       |
|      | 15362 | LÄNGTRÄSK   | 652128.9N 0203811.9E | 656          | 1795       | F R                | Wind turbine       |
|      | 15363 | LÄNGTRÄSK   | 652114.9N 0203826.4E | 656          | 1827       | F R                | Wind turbine       |
|      | 15364 | LÄNGTRÄSK   | 652116.1N 0203742.4E | 656          | 1834       | F R                | Wind turbine       |
|      | 15365 | LÄNGTRÄSK   | 652117.4N 0203702.8E | 656          | 1762       | F R                | Wind turbine       |
|      | 15366 | LÄNGTRÄSK   | 652124.2N 0203602.6E | 656          | 1713       | FLG W              | Wind turbine       |
|      | 15367 | LÄNGTRÄSK   | 652100.1N 0203613.1E | 656          | 1686       | F R                | Wind turbine       |
|      | 15368 | LÄNGTRÄSK   | 652054.8N 0203705.9E | 656          | 1693       | F R                | Wind turbine       |
|      | 15369 | LÄNGTRÄSK   | 652101.9N 0203757.1E | 656          | 1693       | F R                | Wind turbine       |
|      | 15370 | LÄNGTRÄSK   | 652107.3N 0203902.3E | 656          | 1768       | FLG W              | Wind turbine       |
|      | 15371 | LÄNGTRÄSK   | 652056.0N 0203927.1E | 656          | 1768       | F R                | Wind turbine       |
|      | 15372 | LÄNGTRÄSK   | 652045.4N 0203955.0E | 656          | 1703       | F R                | Wind turbine       |
|      | 15373 | LÄNGTRÄSK   | 652053.5N 0203848.2E | 656          | 1706       | F R                | Wind turbine       |
|      | 15374 | LÄNGTRÄSK   | 652040.3N 0203651.5E | 656          | 1673       | F R                | Wind turbine       |
|      | 15375 | LÄNGTRÄSK   | 652024.4N 0203720.2E | 656          | 1742       | F R                | Wind turbine       |
|      | 15376 | LÄNGTRÄSK   | 652015.6N 0203645.2E | 656          | 1627       | FLG W              | Wind turbine       |
|      | 15377 | LÄNGTRÄSK   | 652017.2N 0203757.6E | 656          | 1795       | F R                | Wind turbine       |
|      | 15378 | LÄNGTRÄSK   | 652008.1N 0203727.9E | 656          | 1795       | F R                | Wind turbine       |
|      | 15379 | LÄNGTRÄSK   | 652000.7N 0203805.2E | 656          | 1778       | F R                | Wind turbine       |
|      | 15380 | LÄNGTRÄSK   | 652007.7N 0203841.5E | 656          | 1749       | F R                | Wind turbine       |
|      | 15381 | LÄNGTRÄSK   | 651956.1N 0203902.8E | 656          | 1745       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |               |                      |              |            |                    |                    |
|---|-------|---------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation   | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 15382 | LÅNGTRÅSK     | 652000.5N 0203947.0E | 656          | 1667       | F R                | Wind turbine       |
|   | 15383 | LÅNGTRÅSK     | 651952.6N 0204024.2E | 656          | 1650       | F R                | Wind turbine       |
|   | 15384 | LÅNGTRÅSK     | 652033.6N 0204131.9E | 656          | 1693       | FLG W              | Wind turbine       |
|   | 15385 | LÅNGTRÅSK     | 652019.4N 0204206.2E | 656          | 1693       | F R                | Wind turbine       |
|   | 15386 | LÅNGTRÅSK     | 652009.3N 0204117.5E | 656          | 1627       | F R                | Wind turbine       |
|   | 15387 | LÅNGTRÅSK     | 651957.0N 0204159.4E | 656          | 1634       | F R                | Wind turbine       |
|   | 15388 | LÅNGTRÅSK     | 651943.4N 0204250.2E | 656          | 1667       | F R                | Wind turbine       |
|   | 15389 | LÅNGTRÅSK     | 651946.6N 0204338.3E | 656          | 1752       | F R                | Wind turbine       |
|   | 15390 | LÅNGTRÅSK     | 651946.5N 0204417.9E | 656          | 1811       | FLG W              | Wind turbine       |
|   | 15391 | LÅNGTRÅSK     | 651931.2N 0203824.6E | 656          | 1594       | FLG W              | Wind turbine       |
|   | 15392 | LÅNGTRÅSK     | 651923.7N 0203909.4E | 656          | 1601       | F R                | Wind turbine       |
|   | 15393 | LÅNGTRÅSK     | 651929.2N 0204003.9E | 656          | 1637       | F R                | Wind turbine       |
|   | 15394 | LÅNGTRÅSK     | 651922.5N 0204102.4E | 656          | 1627       | F R                | Wind turbine       |
|   | 15395 | LÅNGTRÅSK     | 651901.0N 0203959.4E | 656          | 1539       | FLG W              | Wind turbine       |
|   | 15396 | LÅNGTRÅSK     | 651906.2N 0204046.5E | 656          | 1591       | F R                | Wind turbine       |
|   | 15397 | LÅNGTRÅSK     | 651858.9N 0204138.3E | 656          | 1601       | F R                | Wind turbine       |
|   | 15398 | LÅNGTRÅSK     | 651845.5N 0204114.4E | 656          | 1578       | F R                | Wind turbine       |
|   | 15399 | LÅNGTRÅSK     | 651830.9N 0204137.3E | 656          | 1555       | F R                | Wind turbine       |
|   | 15400 | LÅNGTRÅSK     | 651820.1N 0204210.9E | 656          | 1549       | FLG W              | Wind turbine       |
|   | 15401 | LÅNGTRÅSK     | 651814.6N 0204252.0E | 656          | 1545       | FLG W              | Wind turbine       |
|   | 15402 | LÅNGTRÅSK     | 651813.1N 0204335.8E | 656          | 1542       | F R                | Wind turbine       |
|   | 15403 | LÅNGTRÅSK     | 651841.4N 0204236.7E | 656          | 1575       | F R                | Wind turbine       |
|   | 15404 | LÅNGTRÅSK     | 651918.3N 0204229.6E | 656          | 1644       | F R                | Wind turbine       |
|   | 15405 | LÅNGTRÅSK     | 651921.5N 0204336.2E | 656          | 1706       | F R                | Wind turbine       |
|   | 15406 | LÅNGTRÅSK     | 651922.8N 0204420.4E | 656          | 1808       | F R                | Wind turbine       |
|   | 15407 | LÅNGTRÅSK     | 651907.1N 0204436.5E | 656          | 1775       | F R                | Wind turbine       |
|   | 15408 | LÅNGTRÅSK     | 651902.4N 0204337.7E | 656          | 1660       | F R                | Wind turbine       |
|   | 15409 | LÅNGTRÅSK     | 651839.0N 0204402.6E | 656          | 1634       | F R                | Wind turbine       |
|   | 15410 | LÅNGTRÅSK     | 651849.6N 0204448.1E | 656          | 1749       | F R                | Wind turbine       |
|   | 15411 | LÅNGTRÅSK     | 651825.8N 0204437.5E | 656          | 1696       | F R                | Wind turbine       |
|   | 15412 | LÅNGTRÅSK     | 651834.6N 0204515.8E | 656          | 1772       | F R                | Wind turbine       |
|   | 15413 | LÅNGTRÅSK     | 651814.7N 0204500.7E | 656          | 1762       | F R                | Wind turbine       |
|   | 15414 | LÅNGTRÅSK     | 651821.9N 0204537.1E | 656          | 1781       | F R                | Wind turbine       |
|   | 15415 | LÅNGTRÅSK     | 651759.6N 0204525.8E | 656          | 1736       | F R                | Wind turbine       |
|   | 15416 | LÅNGTRÅSK     | 651806.7N 0204629.3E | 656          | 1788       | F R                | Wind turbine       |
|   | 15417 | LÅNGTRÅSK     | 651751.8N 0204606.6E | 656          | 1719       | FLG W              | Wind turbine       |
|   | 15418 | LÅNGTRÅSK     | 651755.7N 0204652.6E | 656          | 1778       | F R                | Wind turbine       |
|   | 15453 | S BRÄNNTRÅSK  | 653500.8N 0201506.6E | 656          | 1818       | FLG W              | Wind turbine       |
|   | 15454 | S BRÄNNTRÅSK  | 653225.0N 0201150.8E | 656          | 1818       | F R                | Wind turbine       |
|   | 15455 | S BRÄNNTRÅSK  | 653201.1N 0201224.8E | 656          | 1923       | F R                | Wind turbine       |
|   | 15456 | S BRÄNNTRÅSK  | 653124.4N 0201207.4E | 656          | 1900       | FLG W              | Wind turbine       |
|   | 15457 | S BRÄNNTRÅSK  | 653135.4N 0201147.5E | 656          | 1919       | F R                | Wind turbine       |
|   | 15458 | S BRÄNNTRÅSK  | 653144.7N 0201122.4E | 656          | 1952       | F R                | Wind turbine       |
|   | 15459 | S BRÄNNTRÅSK  | 653121.9N 0201024.8E | 656          | 1923       | FLG W              | Wind turbine       |
|   | 15460 | S BRÄNNTRÅSK  | 653157.9N 0201038.0E | 656          | 2028       | F R                | Wind turbine       |
|   | 15461 | S BRÄNNTRÅSK  | 653145.8N 0200957.1E | 656          | 2028       | F R                | Wind turbine       |
|   | 15462 | S BRÄNNTRÅSK  | 653135.3N 0200925.1E | 656          | 2034       | F R                | Wind turbine       |
|   | 15463 | S BRÄNNTRÅSK  | 653138.5N 0200758.5E | 656          | 2110       | FLG W              | Wind turbine       |
|   | 15464 | S BRÄNNTRÅSK  | 653144.3N 0200724.6E | 656          | 2093       | F R                | Wind turbine       |
|   | 15465 | S BRÄNNTRÅSK  | 653157.7N 0200709.7E | 656          | 2047       | FLG W              | Wind turbine       |
|   | 15494 | STORBLÄLIDEN  | 652704.5N 0202303.7E | 656          | 1972       | FLG W              | Wind turbine       |
|   | 15495 | STORBLÄLIDEN  | 652731.6N 0202209.2E | 656          | 2008       | FLG W              | Wind turbine       |
|   | 15496 | STORBLÄLIDEN  | 652757.8N 0202258.4E | 656          | 2024       | FLG W              | Wind turbine       |
|   | 15756 | STORLIDEN     | 652425.9N 0203912.7E | 620          | 1837       | F R                | Wind turbine       |
|   | 15925 | STORBÄCKEN    | 653149.3N 0201005.8E | 420          | 1755       | unknown            | Mast               |
|   | 15926 | STORSLYET     | 653011.0N 0202306.2E | 417          | 1706       | unknown            | Mast               |
|   | 15927 | BASTATJÄRNEN  | 652813.3N 0202610.4E | 404          | 1533       | unknown            | Mast               |
|   | 15928 | HÅSTBERGET    | 653310.1N 0201856.3E | 397          | 1949       | unknown            | Mast               |
|   | 15929 | SVANAMYRAN    | 653403.0N 0201517.0E | 417          | 1703       | unknown            | Mast               |
|   | 16801 | NILSDALSSLYET | 652429.4N 0204101.3E | 623          | 1838       | unknown            | Wind turbine       |
| 65N 21E   | 569   | BODEN/ÄLVSBYN | 654116.9N 0211557.2E | 1066         | 1965       | F R/FLG W          | Mast               |
|   | 10264 | BONDÖN        | 651215.5N 0214255.7E | 443          | 449        | FLG R              | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation           | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|-----------------------|----------------------|--------------|------------|--------------------|--------------------|
|         | 10265 | BONDÖN                | 651229.2N 0214234.9E | 443          | 463        | FLG R              | Wind turbine       |
|         | 10266 | BONDÖN                | 651312.8N 0214131.5E | 443          | 463        | FLG R              | Wind turbine       |
|         | 10267 | BONDÖN                | 651320.3N 0214158.3E | 443          | 466        | FLG R              | Wind turbine       |
|         | 10268 | BONDÖN                | 651225.5N 0214349.1E | 443          | 466        | FLG R              | Wind turbine       |
|         | 10269 | BONDÖN                | 651240.2N 0214328.2E | 443          | 466        | FLG R              | Wind turbine       |
|         | 10270 | BONDÖN                | 651254.6N 0214309.7E | 443          | 472        | FLG R              | Wind turbine       |
|         | 10271 | BONDÖN                | 651243.8N 0214213.9E | 443          | 459        | FLG R              | Wind turbine       |
|         | 10272 | BONDÖN                | 651259.1N 0214154.8E | 443          | 469        | FLG R              | Wind turbine       |
|         | 10273 | BONDÖN                | 651222.3N 0214323.6E | 443          | 472        | FLG R              | Wind turbine       |
|         | 10274 | BONDÖN                | 651241.1N 0214253.2E | 443          | 469        | FLG R              | Wind turbine       |
|         | 10275 | BONDÖN                | 651300.4N 0214227.0E | 443          | 482        | FLG R              | Wind turbine       |
|         | 10276 | BONDÖN                | 651309.0N 0214249.0E | 443          | 469        | FLG R              | Wind turbine       |
|         | 10277 | BONDÖN                | 651323.3N 0214229.2E | 443          | 456        | FLG R              | Wind turbine       |
|         | 16344 | BONDÖN                | 651305.4N 0214204.0E | 397          | 433        | unknown            | Mast               |
| 65N 22E | 573   | LULEÅ/SINKSUNDSBERGET | 653650.8N 0221208.2E | 354          | 572        | F R                | Mast               |
| 65N 23E | 576   | HAPARANDA/LÄNGTRÅSK   | 655616.0N 0233058.2E | 1066         | 1364       | F R/FLG W          | Mast               |
|         | 8114  | BÅTSKÅRSNÄS           | 654643.0N 0232329.4E | 335          | 380        | F R                | Wind turbine       |
|         | 9375  | STORÖN                | 654235.6N 0230510.9E | 328          | 364        | F R                | Wind turbine       |
|         | 11161 | SESKARÖ               | 654309.9N 0234229.8E | 328          | 385        | F R                | Wind turbine       |
|         | 11162 | SESKARÖ               | 654308.0N 0234307.1E | 328          | 374        | F R                | Wind turbine       |
|         | 11163 | SESKARÖ               | 654306.0N 0234345.1E | 328          | 393        | F R                | Wind turbine       |
|         | 11164 | SESKARÖ               | 654254.2N 0234321.8E | 328          | 371        | F R                | Wind turbine       |
|         | 11165 | SESKARÖ               | 654255.9N 0234249.2E | 328          | 388        | F R                | Wind turbine       |
|         | 16812 | GALTVIKBERGET         | 654651.8N 0232309.5E | 492          | 559        | unknown            | Wind turbine       |
|         | 16813 | GALTVIKBERGET         | 654659.0N 0232250.9E | 492          | 522        | unknown            | Wind turbine       |
| 66N 19E | 1010  | LIGGA                 | 664835.5N 0195434.2E | 344          | 1136       | F R                | Mast               |
| 66N 20E | 590   | VUOLLERIM             | 662652.6N 0204235.2E | 351          | 1340       | F R                | Mast               |
| 66N 22E | 610   | ÖVERKALIX             | 661804.3N 0225112.0E | 1083         | 1414       | F R/FLG W          | Mast               |
|         | 10160 | STORMUGGBERGET        | 662043.5N 0221330.9E | 331          | 1207       | F R                | Mast               |
|         | 13234 | LEHTIROVA             | 665852.3N 0220606.2E | 604          | 1814       | FLG W              | Wind turbine       |
|         | 13235 | LEHTIROVA             | 665833.2N 0220531.8E | 604          | 1716       | FLG W              | Wind turbine       |
|         | 13236 | LEHTIROVA             | 665834.3N 0220624.8E | 604          | 1745       | F R                | Wind turbine       |
|         | 13237 | LEHTIROVA             | 665834.3N 0220854.3E | 604          | 1732       | FLG W              | Wind turbine       |
|         | 13238 | LEHTIROVA             | 665820.3N 0220924.4E | 604          | 1660       | F R                | Wind turbine       |
|         | 13239 | LEHTIROVA             | 665756.7N 0220931.2E | 604          | 1654       | FLG W              | Wind turbine       |
|         | 13240 | LEHTIROVA             | 665758.7N 0220806.9E | 604          | 1821       | F R                | Wind turbine       |
|         | 13241 | LEHTIROVA             | 665739.4N 0220822.5E | 604          | 1726       | F R                | Wind turbine       |
|         | 13242 | LEHTIROVA             | 665725.9N 0220850.8E | 604          | 1654       | FLG W              | Wind turbine       |
|         | 14411 | NIEMISEL              | 661945.8N 0220547.9E | 417          | 1378       | F R                | Mast               |
|         | 14412 | NIEMISEL              | 661833.4N 0221205.2E | 417          | 1263       | F R                | Mast               |
| 66N 23E | 7583  | ETU-AAPUA             | 665056.1N 0232704.5E | 390          | 1526       | F R                | Wind turbine       |
|         | 7584  | ETU-AAPUA             | 665049.5N 0232720.1E | 390          | 1542       | F R                | Wind turbine       |
|         | 7585  | ETU-AAPUA             | 665041.3N 0232722.3E | 390          | 1512       | F R                | Wind turbine       |
|         | 7586  | ETU-AAPUA             | 665025.9N 0232739.4E | 390          | 1604       | F R                | Wind turbine       |
|         | 7587  | ETU-AAPUA             | 665017.4N 0232740.9E | 390          | 1612       | F R                | Wind turbine       |
|         | 7588  | ETU-AAPUA             | 664958.1N 0232740.8E | 390          | 1670       | F R                | Wind turbine       |
|         | 7589  | ETU-AAPUA             | 664948.9N 0232748.1E | 390          | 1683       | F R                | Wind turbine       |
|         | 11889 | KORPILOBOLO           | 665315.1N 0231846.2E | 587          | 1512       | FLG W              | Wind turbine       |
|         | 11890 | KORPILOBOLO           | 665300.0N 0231914.5E | 587          | 1490       | F R                | Wind turbine       |
|         | 11891 | KORPILOBOLO           | 665247.8N 0231946.6E | 587          | 1473       | F R                | Wind turbine       |
|         | 11892 | KORPILOBOLO           | 665305.2N 0232032.3E | 587          | 1555       | F R                | Wind turbine       |
|         | 11893 | KORPILOBOLO           | 665247.2N 0232033.9E | 587          | 1572       | F R                | Wind turbine       |
|         | 11894 | KORPILOBOLO           | 665228.9N 0232030.7E | 587          | 1516       | F R                | Wind turbine       |
|         | 11895 | KORPILOBOLO           | 665215.5N 0232053.8E | 587          | 1457       | FLG W              | Wind turbine       |
|         | 11896 | KORPILOBOLO           | 665303.2N 0232116.3E | 587          | 1581       | FLG W              | Wind turbine       |
|         | 11897 | KORPILOBOLO           | 665245.8N 0232129.2E | 587          | 1496       | F R                | Wind turbine       |
|         | 11898 | KORPILOBOLO           | 665244.8N 0232309.0E | 587          | 1506       | FLG W              | Wind turbine       |
|         | 11899 | KORPILOBOLO           | 665226.9N 0232325.0E | 587          | 1509       | F R                | Wind turbine       |
|         | 11900 | KORPILOBOLO           | 665210.7N 0232340.6E | 587          | 1436       | FLG W              | Wind turbine       |
|         | 11901 | KORPILOBOLO           | 665132.9N 0231659.7E | 587          | 1572       | FLG W              | Wind turbine       |
|         | 11902 | KORPILOBOLO           | 665125.5N 0231739.9E | 587          | 1490       | F R                | Wind turbine       |
|         | 11903 | KORPILOBOLO           | 665114.8N 0231655.9E | 587          | 1539       | F R                | Wind turbine       |

| Air Navigation obstacles – HGT 328 ft / 100 m AGL or more |       |                    |                      |              |            |                    |                    |
|---|-------|--------------------|----------------------|--------------|------------|--------------------|--------------------|
| Area  | No    | Designation        | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|   | 11904 | KORPILOMBOLO       | 665058.2N 0231631.4E | 587          | 1542       | FLG W              | Wind turbine       |
|   | 11905 | KORPILOMBOLO       | 665056.8N 0231715.2E | 587          | 1637       | F R                | Wind turbine       |
|   | 11906 | KORPILOMBOLO       | 665048.6N 0231748.8E | 587          | 1552       | FLG W              | Wind turbine       |
|   | 11907 | KORPILOMBOLO       | 665032.0N 0231722.3E | 587          | 1621       | F R                | Wind turbine       |
|   | 11908 | KORPILOMBOLO       | 665013.8N 0231707.7E | 587          | 1539       | F R                | Wind turbine       |
|   | 11909 | KORPILOMBOLO       | 665001.6N 0231732.2E | 587          | 1473       | FLG W              | Wind turbine       |
|   | 11910 | KORPILOMBOLO       | 665017.9N 0231832.5E | 587          | 1572       | F R                | Wind turbine       |
|   | 11911 | KORPILOMBOLO       | 665000.0N 0231833.8E | 587          | 1496       | F R                | Wind turbine       |
|   | 11912 | KORPILOMBOLO       | 664957.6N 0231915.0E | 587          | 1496       | FLG W              | Wind turbine       |
|   | 12718 | KORPILOMBOLO       | 665626.5N 0231823.5E | 597          | 1621       | FLG W              | Wind turbine       |
|   | 12719 | KORPILOMBOLO       | 665622.0N 0231907.8E | 597          | 1562       | F R                | Wind turbine       |
|   | 12720 | KORPILOMBOLO       | 665618.2N 0231959.0E | 597          | 1565       | FLG W              | Wind turbine       |
|   | 12721 | KORPILOMBOLO       | 665601.0N 0232011.1E | 597          | 1650       | F R                | Wind turbine       |
|   | 12722 | KORPILOMBOLO       | 665548.4N 0232042.8E | 597          | 1677       | F R                | Wind turbine       |
|   | 12723 | KORPILOMBOLO       | 665531.1N 0232054.9E | 597          | 1558       | F R                | Wind turbine       |
|   | 12724 | KORPILOMBOLO       | 665515.6N 0232115.1E | 597          | 1467       | FLG W              | Wind turbine       |
|   | 12725 | KORPILOMBOLO       | 665555.5N 0231823.3E | 597          | 1555       | FLG W              | Wind turbine       |
|   | 12726 | KORPILOMBOLO       | 665544.3N 0231859.2E | 597          | 1650       | F R                | Wind turbine       |
|   | 12727 | KORPILOMBOLO       | 665527.5N 0231920.4E | 597          | 1624       | FLG W              | Wind turbine       |
| 67N 20E   | 618   | KIRUNA/KIRUNAVAARA | 675001.0N 0201108.7E | 709          | 2919       | F R/FLG W          | Mast               |
|   | 620   | GÄLLIVARE/DUNDRET  | 670556.7N 0203641.2E | 518          | 2971       | F R/FLG W          | Mast               |
|   | 10903 | SJISKA             | 673659.4N 0200841.4E | 427          | 2566       | FLG R              | Wind turbine       |
|   | 10904 | SJISKA             | 673656.0N 0200811.2E | 427          | 2448       | FLG R              | Wind turbine       |
|   | 10905 | SJISKA             | 673711.7N 0200827.8E | 427          | 2589       | F R                | Wind turbine       |
|   | 10906 | SJISKA             | 673718.0N 0200802.8E | 427          | 2569       | FLG R              | Wind turbine       |
|   | 10907 | SJISKA             | 673723.8N 0200734.2E | 427          | 2454       | FLG R              | Wind turbine       |
|   | 10908 | SJISKA             | 673727.5N 0200704.6E | 427          | 2392       | FLG R              | Wind turbine       |
|   | 10909 | SJISKA             | 673734.1N 0200635.7E | 427          | 2343       | FLG R              | Wind turbine       |
|   | 10910 | SJISKA             | 673742.6N 0200612.7E | 427          | 2310       | FLG R              | Wind turbine       |
|   | 10911 | SJISKA             | 673750.9N 0200640.9E | 427          | 2526       | F R                | Wind turbine       |
|   | 10912 | SJISKA             | 673800.8N 0200607.3E | 427          | 2310       | FLG R              | Wind turbine       |
|   | 10913 | SJISKA             | 673758.4N 0200706.3E | 427          | 2375       | FLG R              | Wind turbine       |
|   | 10914 | SJISKA             | 673745.9N 0200709.9E | 427          | 2408       | F R                | Wind turbine       |
|   | 10915 | SJISKA             | 673748.6N 0200740.5E | 427          | 2434       | F R                | Wind turbine       |
|   | 10916 | SJISKA             | 673757.9N 0200815.4E | 427          | 2441       | FLG R              | Wind turbine       |
|   | 10917 | SJISKA             | 673800.6N 0200846.4E | 427          | 2464       | FLG R              | Wind turbine       |
|   | 10918 | SJISKA             | 673803.5N 0200956.7E | 427          | 2415       | FLG R              | Wind turbine       |
|   | 10919 | SJISKA             | 673743.2N 0200811.5E | 427          | 2500       | F R                | Wind turbine       |
|   | 10920 | SJISKA             | 673735.7N 0200835.6E | 427          | 2569       | F R                | Wind turbine       |
|   | 10921 | SJISKA             | 673743.4N 0200859.9E | 427          | 2572       | F R                | Wind turbine       |
|   | 10922 | SJISKA             | 673741.6N 0201001.5E | 427          | 2628       | FLG R              | Wind turbine       |
|   | 10923 | SJISKA             | 673736.1N 0200924.4E | 427          | 2674       | F R                | Wind turbine       |
|   | 10924 | SJISKA             | 673725.1N 0200943.6E | 427          | 2717       | FLG R              | Wind turbine       |
|   | 10925 | SJISKA             | 673714.1N 0200950.6E | 427          | 2785       | FLG R              | Wind turbine       |
|   | 10926 | SJISKA             | 673711.2N 0200919.8E | 427          | 2690       | F R                | Wind turbine       |
|   | 10927 | SJISKA             | 673656.7N 0200914.4E | 427          | 2559       | FLG R              | Wind turbine       |
|   | 10928 | SJISKA             | 673653.6N 0200944.7E | 427          | 2562       | FLG R              | Wind turbine       |
|   | 10929 | SJISKA             | 673646.4N 0201008.2E | 427          | 2569       | FLG R              | Wind turbine       |
|   | 10930 | SJISKA             | 673657.4N 0201018.8E | 427          | 2566       | FLG R              | Wind turbine       |
|   | 10931 | SJISKA             | 673717.6N 0200853.5E | 427          | 2635       | F R                | Wind turbine       |
|   | 10932 | SJISKA             | 673748.1N 0200934.8E | 427          | 2562       | F R                | Wind turbine       |
| 67N 21E   | 16710 | LINBANETOPPEN      | 670557.4N 0203640.3E | 351          | 2806       | unknown            | Mast               |
|   | 10344 | KUUSIVAARA         | 672859.7N 0215717.3E | 328          | 1609       | F R                | Mast               |
|   | 13202 | LEHTIROVA          | 670957.1N 0215948.6E | 604          | 1959       | FLG W              | Wind turbine       |
|   | 16519 | ROMUPUOLINEN       | 675334.2N 0210620.3E | 341          | 1320       | unknown            | Mast               |
| 67N 22E   | 13203 | LEHTIROVA          | 670945.1N 0220017.6E | 604          | 1929       | F R                | Wind turbine       |
|   | 13204 | LEHTIROVA          | 670933.0N 0220045.6E | 604          | 1916       | F R                | Wind turbine       |
|   | 13205 | LEHTIROVA          | 670917.1N 0220104.1E | 604          | 1896       | F R                | Wind turbine       |
|   | 13206 | LEHTIROVA          | 670906.9N 0220137.8E | 604          | 1860       | FLG W              | Wind turbine       |
|   | 13207 | LEHTIROVA          | 670955.8N 0220635.6E | 604          | 1768       | FLG W              | Wind turbine       |
|   | 13208 | LEHTIROVA          | 670945.0N 0220705.2E | 604          | 1847       | F R                | Wind turbine       |
|   | 13209 | LEHTIROVA          | 670932.3N 0220732.4E | 604          | 1909       | F R                | Wind turbine       |

## Air Navigation obstacles – HGT 328 ft / 100 m AGL or more

| Area    | No    | Designation | Coordinates          | Height<br>ft | Elev<br>ft | Light<br>Character | Types of obstacles |
|---------|-------|-------------|----------------------|--------------|------------|--------------------|--------------------|
|         | 13210 | LEHTIROVA   | 670918.0N 0220757.3E | 604          | 1808       | F R                | Wind turbine       |
|         | 13211 | LEHTIROVA   | 670906.8N 0220828.7E | 604          | 1709       | FLG W              | Wind turbine       |
|         | 13212 | LEHTIROVA   | 670913.2N 0220657.3E | 604          | 1880       | F R                | Wind turbine       |
|         | 13213 | LEHTIROVA   | 670851.4N 0220701.5E | 604          | 1841       | FLG W              | Wind turbine       |
|         | 13214 | LEHTIROVA   | 670834.5N 0220721.6E | 604          | 1808       | F R                | Wind turbine       |
|         | 13215 | LEHTIROVA   | 670818.3N 0220741.9E | 604          | 1752       | FLG W              | Wind turbine       |
|         | 13216 | LEHTIROVA   | 670445.4N 0220539.7E | 604          | 1726       | FLG W              | Wind turbine       |
|         | 13217 | LEHTIROVA   | 670426.8N 0220505.7E | 604          | 1818       | F R                | Wind turbine       |
|         | 13218 | LEHTIROVA   | 670413.4N 0220537.6E | 604          | 1729       | F R                | Wind turbine       |
|         | 13219 | LEHTIROVA   | 670352.0N 0220548.6E | 604          | 1729       | F R                | Wind turbine       |
|         | 13220 | LEHTIROVA   | 670334.3N 0220613.4E | 604          | 1722       | FLG W              | Wind turbine       |
|         | 13221 | LEHTIROVA   | 670458.9N 0220234.0E | 604          | 1867       | FLG W              | Wind turbine       |
|         | 13222 | LEHTIROVA   | 670453.2N 0220317.5E | 604          | 1818       | F R                | Wind turbine       |
|         | 13223 | LEHTIROVA   | 670431.9N 0220242.3E | 604          | 1870       | F R                | Wind turbine       |
|         | 13224 | LEHTIROVA   | 670421.2N 0220315.9E | 604          | 1837       | F R                | Wind turbine       |
|         | 13225 | LEHTIROVA   | 670410.7N 0220221.4E | 604          | 1749       | FLG W              | Wind turbine       |
|         | 13226 | LEHTIROVA   | 670400.3N 0220318.0E | 604          | 1890       | F R                | Wind turbine       |
|         | 13227 | LEHTIROVA   | 670340.5N 0220335.7E | 604          | 1824       | F R                | Wind turbine       |
|         | 13228 | LEHTIROVA   | 670328.8N 0220407.8E | 604          | 1749       | FLG W              | Wind turbine       |
|         | 13229 | LEHTIROVA   | 670331.6N 0220204.0E | 604          | 1755       | F R                | Wind turbine       |
|         | 13230 | LEHTIROVA   | 670324.6N 0220244.4E | 604          | 1755       | F R                | Wind turbine       |
|         | 13231 | LEHTIROVA   | 670313.0N 0220138.3E | 604          | 1791       | FLG W              | Wind turbine       |
|         | 13232 | LEHTIROVA   | 670119.0N 0220128.8E | 604          | 1900       | FLG W              | Wind turbine       |
|         | 13233 | LEHTIROVA   | 670122.7N 0220215.4E | 604          | 1791       | FLG W              | Wind turbine       |
|         | 13963 | TÄRENDÖ     | 670810.2N 0222252.7E | 502          | 1564       | F R                | Mast               |
| 67N 23E | 628   | PAJALA 2    | 671642.6N 0231355.7E | 1099         | 1881       | F R/FLG W          | Mast               |
| 68N 22E | 633   | KARESUANDO  | 682416.5N 0222950.7E | 358          | 1981       | F R                | Mast               |



## 5.5 Flygsport och rekreativ verksamhet

### 1 Allmänt

Aktiviteter av flygsportkaraktär, som t.ex. segelflygning och fallskärmshoppning, äger i huvudsak rum på flygplatser, kontrollerade och okontrollerade. Inom TMA vid vissa flygplatser finns lokala sektorer upprättade för flygsportverksamhet. Uppgifter om dessa kan erhållas från respektive ATS. I övrigt hänvisas till uppgifter i AD 2.

### 2 Vinschning av skärmflyg

Vinschning av skärmflyg förekommer på flera platser i Sverige. Skärmflygare dras upp till en höjd av 300-600 meter, ibland högre. Linan är nästan omöjlig att se i luften och utgör en riskfaktor för övrig flygtrafik på dessa höjder.

Platser där vinschning frekvent förekommer redovisas i följande tabell.

## 5.5 Aerial sporting and recreational activities

### 1 General

The majority of activities of aerial sporting character, such as glider flying and parachute jumping, take place at aerodromes, controlled and uncontrolled. Within TMA at certain aerodromes local sectors are established for this purpose. Information on these is available from the local ATS. Reference is made to information in AD 2.

### 2 Cable launch of paragliders

Cable launch is used by paragliders at several places in Sweden. Paragliders are towed to an altitude of 300-600 meters, sometimes higher. The wire is almost impossible to see in the air and is a risk factor for other air traffic at these altitudes.

Places where cable launch is frequently used are shown in the table below.

| Location               | Centerpoint              | Radius     | Club/Operator      | Remarks                   |
|------------------------|--------------------------|------------|--------------------|---------------------------|
| Barkarby, Järfälla     | 592459.7N 0175332.6E (*) | 500 meter  | Fenix              |                           |
| Boden/Arméflyg 1       | 654834.4N 0214131.8E (*) | 1000 meter | Paranordic         |                           |
| Boden/Hedens flygbas   | 655019.9N 0212758.9E (*) | 1000 meter | Paranordic         |                           |
| Brandstad, Sjöbo       | 554040.5N 0134121.8E (*) | 2500 meter | Club Parapente Syd |                           |
| Feringe, Ljungby       | 565703.4N 0135518.7E (*) | 500 meter  | Småland            |                           |
| Lena, Alingsås         | 580039.6N 0123800.9E (*) | 500 meter  | Göteborg           |                           |
| Näsby                  | 591107.3N 0151727.1E (*) | 500 meter  | Örebro             |                           |
| Orsa-Tallheds flygfält | 611129.8N 0144309.1E (*) | 1000 meter | Dalmåsarna         | Flygradio används 123,400 |
| Salanda                | 595343.1N 0163750.5E (*) | 500 meter  | Cirrus             | Flygradio används 123,350 |
| Salanda                | 595343.1N 0163750.5E (*) | 500 meter  | Sala Silverflygare | Flygradio används 123,350 |
| Tvetaberg, Södertälje  | 590853.2N 0173521.7E (*) | 500 meter  | Airsports          |                           |
| Åbylund, Vadstena      | 582413.5N 0145216.7E (*) | 1000 meter | Vadstena           |                           |

### 3 Modellflyg över 120 m AGL i okontrollerad luft

Modellflygfält finns på många platser i hela Sverige. Vid flertalet av dessa fält förekommer modellflygning upp till 300-600 meters höjd över marken. Även om modellflyget har väjningsplikt för övrigt flyg, kan de utgöra en potentiell riskfaktor för övrig flygtrafik på dessa höjder. Modellflygfält som är godkända av Transportstyrelsen för flygning över 120 m AGL i okontrollerad luft framgår av följande tabell.

### 3 Model airplane above 120 m AGL in uncontrolled airspace.

Airfield for model flying is available at many places in Sweden. At a majority of these places there are model flights up to 300-600 meters height above ground. Even though model flight has a duty to avoid other aircraft they can pose a potential risk for other air traffic at these heights. Airfield for model flying approved for flight above 120 m AGL in uncontrolled airspace is shown in the following table.

| Field                        | Location                                  | Centerpoint          | Radius | Upper limit (AGL) |
|------------------------------|---|----------------------|--------|-------------------|
| Alingsås flygplats           | Flygfältet, ALINGSÅS                      | 575656N 0123421E (*) | 500 m  | 300 m             |
| Allmällings 262 Sproge       | Vattskogs, KLINTEHAMN                     | 571523N 0180933E (*) | 500 m  | 300 m             |
| Arboga flygplats             | Vallby Gula Säby 240, ARBOGA              | 592332N 0155525E (*) | 500 m  | 450 m             |
| Arvika flygplats             | Westlanda flygplats, ARVIKA               | 594022N 0123815E (*) | 500 m  | 300 m             |
| Aspåsnaäset                  | Aspåsnaäset, KROKOM                       | 632042N 0143332E (*) | 500 m  | 220 m             |
| Avesta flygplats             | Flygfältet, AVESTA                        | 601100N 0160702E (*) | 500 m  | 200 m             |
| Axevalla Hed                 | Axvalla Hed, AXVALL                       | 582336N 0133512E (*) | 500 m  | 300 m             |
| Backlanda                    | Femtegårdsvägen, GRÅBO                    | 575031N 0121912E (*) | 500 m  | 390 m             |
| Borglanda (ESMB)             | Borglanda flygplats, BORGHOLM             | 565134N 0163911E (*) | 500 m  | 300 m             |
| Brattforsheden flygplats     | Flygfältet, MOLKOM                        | 593633N 0135453E (*) | 500 m  | 300 m             |
| Bredlanda                    | Maxstad 545, KARLSTAD                     | 592827N 0134641E (*) | 500 m  | 300 m             |
| Bruksfältet                  | Herrgårdsfåboda, ROBERTSFORS              | 641107N 0204935E (*) | 500 m  | 200 m             |
| BusyBee                      | Norboda, BRO                              | 593224N 0173807E (*) | 500 m  | 250 m             |
| Dala-Järna flygplats         | Dala-Järna flygplats, DALA-JÄRNA          | 603311N 0142240E (*) | 500 m  | 300 m             |
| Dragsängarna                 | Dragsänget, LEKSAND                       | 604201N 0150513E (*) | 500 m  | 500 m             |
| Ebbalycke                    | Ebbalycke 1, TINGSRYD                     | 563238N 0145833E (*) | 500 m  | 300 m             |
| Edsbyn flygplats             | Flygfältet, EDSBYN                        | 612311N 0155007E (*) | 500 m  | 600 m             |
| Eke modellflygfält           | Eke, NORRTÄLJE                            | 594843N 0184657E (*) | 500 m  | 500 m             |
| Eksjö/Ränneslätt flygplats   | Ränneslätt 1, EKSJÖ                       | 573959N 0145627E (*) | 500 m  | 300 m             |
| Eskilstuna/Ekeby flygplats   | Flygfältet, ESKILSTUNA                    | 592308N 0162639E (*) | 500 m  | 150 m             |
| Eslöv flygplats              | Flygfältet, ESLÖV                         | 555046N 0131948E (*) | 500 m  | 250 m             |
| F14                          | Kungsängsvägen 75, GÄVLE                  | 603949N 0170529E (*) | 500 m  | 300 m             |
| Falkenberg                   | Äspelunda 104, GLOMMEN                    | 565637N 0122446E (*) | 500 m  | 150 m             |
| Feringe                      | Feringe Flygplats 2, VITTARYD             | 565713N 0135524E (*) | 500 m  | 500 m             |
| Finnanäs/Gripenberg          | Näsmaden, TRANÅS                          | 575830N 0145004E (*) | 500 m  | 200 m             |
| Flarklanda                   | N Svartby, BODEN                          | 654818N 0214919E (*) | 500 m  | 250 m             |
| Fredriksberg                 | Stridsvagnsspåret, KÖPINGEBRO             | 552710N 0135434E (*) | 500 m  | 300 m             |
| Frostlanda                   | Framnäs, GÄDDEDE                          | 642852N 0140542E (*) | 500 m  | 250 m             |
| Frölanda                     | Stensättning, KUNGSÄNGEN                  | 592749N 0174146E (*) | 500 m  | 350 m             |
| Gagnef flygplats             | Flygfältet, DJURÅS                        | 603303N 0150447E (*) | 500 m  | 550 m             |
| Grenlanda                    | Flygfältet, KRISTINEHAMN                  | 590611N 0141802E (*) | 500 m  | 500 m             |
| Grundviksfältet              | Skarbo 125, FRÄNDEFORS                    | 582913N 0120854E (*) | 500 m  | 350 m             |
| Gräslanda                    | Stenumg 1, STENUNGSUND                    | 580453N 0115042E (*) | 500 m  | 500 m             |
| Gäddtjärn                    | Gäddtjärnen 8, SÅTER                      | 601443N 0153915E (*) | 500 m  | 300 m             |
| Gävle flygplats              | Gävle flygplats, VALBO                    | 603551N 0165718E (*) | 500 m  | 300 m             |
| Götene/Brännebrona flygplats | Flygfältet, GÖTENE                        | 583425N 0133641E (*) | 500 m  | 500 m             |
| Hagby                        | Hagbyvägen, TÄBY                          | 592808N 0180026E (*) | 500 m  | 500 m             |
| Hagängen                     | Mellösaby Hagängens Idrottsplats, MELLÖSA | 590624N 0163234E (*) | 500 m  | 300 m             |
| Hallinge                     | Hallinge Gårds väg, SÖDERTÄLJE            | 591323N 0174322E (*) | 500 m  | 300 m             |
| Hargelanda                   | Stora fall, HAMMAR                        | 584702N 0145659E (*) | 500 m  | 500 m             |
| Haslösa                      | Haslösa, VINNIGA                          | 582429N 0131541E (*) | 500 m  | 350 m             |
| Hede/Hedlanda flygplats      | Hedlanda flygplats, VEMDALEN              | 622438N 0134446E (*) | 500 m  | 300 m             |

| Field                        | Location   | Centerpoint          | Radius | Upper limit (AGL) |
|------------------------------|--|----------------------|--------|-------------------|
| Hedekasfältet                | Gummehogen, HEDEKAS                                | 584017N 0114715E (*) | 500 m  | 350 m             |
| Hedenbasen                   | Hedens flygbas, BODEN                              | 655019N 0212800E (*) | 500 m  | 300 m             |
| Heden, Stora Askerön         | Heden, Stora Askerön, ASKERÖN                      | 580558N 0114648E (*) | 500 m  | 300 m             |
| Helsingborgs modellflygfält  | Djupadal, HELSINGBORG                              | 560312N 0124551E (*) | 500 m  | 600 m             |
| Herrljunga                   | Söderguppagården, HERRLJUNGA                       | 580508N 0125915E (*) | 500 m  | 600 m             |
| Hjortshög                    | Högmossediket, MÖRARP                              | 560346N 0124925E (*) | 500 m  | 600 m             |
| Hornlanda                    | Flygplatsen, HORN                                  | 575149N 0155033E (*) | 500 m  | 300 m             |
| Hudiksvalls flygplats        | Flygfältet, HUDIKSVALL                             | 614602N 0170502E (*) | 500 m  | 150 m             |
| Hultsfred-Vimmerby flygplats | Hultsfred Airport, HULTSFRED                       | 573136N 0154920E (*) | 500 m  | 300 m             |
| Härnösand/Myran flygplats    | Flygfältet, HÄRNÖSAND                              | 623759N 0175854E (*) | 500 m  | 300 m             |
| Hästhagsfältet               | Hästhagsbäcken, FINSPÅNG                           | 584257N 0154840E (*) | 500 m  | 400 m             |
| Högkulla                     | Västra Högkulla, NORSJÖ                            | 650056N 0185921E (*) | 500 m  | 500 m             |
| Igelösa flygfält             | Svenstorp, LUND                                    | 554548N 0131518E (*) | 500 m  | 250 m             |
| Israelhagen                  | Gudhem, FALKÖPING                                  | 581359N 0133322E (*) | 500 m  | 300 m             |
| Janlanda                     | Vitemölla, KIVIK                                   | 554158N 0141110E (*) | 500 m  | 300 m             |
| Junselevägen                 | Junselevägen 27, BREDBYN                           | 632720N 0180547E (*) | 500 m  | 250 m             |
| Jönköping Granö              | Korpön, JÖNKÖPING                                  | 574119N 0141528E (*) | 500 m  | 450 m             |
| Karlskoga                    | Åbytorp, KARLSKOGA                                 | 592111N 0143024E (*) | 500 m  | 450 m             |
| Karlskrona-Ronneby           | Södra Höryda, FRIDLEVSTAD                          | 561644N 0152907E (*) | 500 m  | 350 m             |
| Katrineholm flygplats        | Flygfältet, KATRINEHOLM                            | 590101N 0161323E (*) | 500 m  | 300 m             |
| Kode Modellflygfält          | Vitsten 300, KODE                                  | 575722N 0114854E (*) | 500 m  | 300 m             |
| Kråklanda                    | Töllesjö Gård 3, RYDBOHOLM                         | 573946N 0125458E (*) | 500 m  | 300 m             |
| Kungsbacka                   | Södra infarten 22, KUNGSBACKA                      | 572827N 0120434E (*) | 500 m  | 300 m             |
| Kungshamn                    | Långeland, KUNGSHAMN                               | 582405N 0112104E (*) | 500 m  | 500 m             |
| Kvarnlanda                   | Östra Kattarpvägen 9, MALMÖ                        | 553414N 0130615E (*) | 500 m  | 400 m             |
| Kågeröd flygplats            | Flygfältet, KÅGERÖD                                | 555945N 0130303E (*) | 500 m  | 450 m             |
| Köpings flygplats            | Flygfältet, KÖPING                                 | 593136N 0155801E (*) | 500 m  | 300 m             |
| Landskrona flygplats         | Flygfältet, HÄRSLÖV                                | 555652N 0125217E (*) | 500 m  | 300 m             |
| Laxå                         | Motorstadion/Nerikes Utbildningar/Venafältet, LAXÅ | 585845N 0144001E (*) | 500 m  | 500 m             |
| Lidköping/Hovby Flygplats    | Hovby flygplats, LIDKÖPING                         | 582758N 0130917E (*) | 500 m  | 300 m             |
| Ljunglanda                   | Känna högar, LJUNGBY                               | 564822N 0135433E (*) | 500 m  | 500 m             |
| Ljusdals flygfält, ESUL      | Flygfältet, LJUSDAL                                | 614859N 0160010E (*) | 500 m  | 450 m             |
| Ludvika flygplats            | Flygfältet, LUDVIKA                                | 600517N 0150547E (*) | 500 m  | 500 m             |
| Lunda flygfält               | Flygfältet, ALUNDA                                 | 600751N 0180600E (*) | 500 m  | 300 m             |
| Lövlunda                     | Brännänget, SKELLEFTEÅ                             | 644723N 0205154E (*) | 500 m  | 500 m             |
| Majfältet                    | Ovansjö140, NJURUNDA                               | 621404N 0172303E (*) | 500 m  | 300 m             |
| Maxlanda                     | Heldagskullen, FALKÖPING                           | 580715N 0133128E (*) | 500 m  | 300 m             |
| Mellansel flygplats          | Flygfältet, MOLIDEN                                | 632332N 0181912E (*) | 500 m  | 300 m             |
| Mygglanda - Nymölla          | Tostebergavägen 56, NYMÖLLA                        | 560217N 0142649E (*) | 500 m  | 300 m             |
| Norrbyfältet                 | Torfastleden, HANINGE                              | 591112N 0180915E (*) | 500 m  | 250 m             |
| Norrtälje flygplats          | Flygfältet, NORRTÄLJE                              | 594404N 0184145E (*) | 500 m  | 200 m             |
| Norsborg Micros              | Kårsbyvägen, NORSBORG                              | 591451N 0174805E (*) | 500 m  | 300 m             |
| Nybylanda                    | Nyby 335, LIT                                      | 631934N 0151138E (*) | 500 m  | 220 m             |

| Field                          | Location                                       | Centerpoint          | Radius | Upper limit (AGL) |
|--------------------------------|--|----------------------|--------|-------------------|
| Nyckelmyren – lilla fältet     | Nyckelmyran, LUDVIKA                           | 600503N 0150524E (*) | 500 m  | 500 m             |
| Nyholm                         | Hagsandsvägen 28, GRÄNGESBERG                  | 600307N 0150123E (*) | 500 m  | 300 m             |
| Odarslövs flygfält             | Östra Odarslöv 433, LUND                       | 554443N 0131612E (*) | 500 m  | 250 m             |
| Optands flygplats              | Optands flygplats, ÖSTERSUND                   | 630729N 0144852E (*) | 500 m  | 200 m             |
| Optands flygplats (bana 18-36) | Optands flygplats, ÖSTERSUND                   | 630738N 0144806E (*) | 500 m  | 250 m             |
| Orsa flygplats                 | Orsa-Tallhed Flygfält, Flygfältsvägen 26, ORSA | 611140N 0144333E (*) | 500 m  | 450 m             |
| Orup                           | Nyby 700, HÖÖR                                 | 555351N 0133132E (*) | 500 m  | 350 m             |
| Påldalen                       | Påldalen, NYKVARN                              | 591247N 0172802E (*) | 500 m  | 500 m             |
| Pålsboda                       | BengtsboKnackerud 941, PÅLSBODA                | 590220N 0152328E (*) | 500 m  | 200 m             |
| Raftsjöhöjden                  | Raftsjöhöjden 425, Hammerdal                   | 633657N 0145941E (*) | 500 m  | 300 m             |
| Redberga                       | Redberga 47, FALKÖPING                         | 580918N 0133102E (*) | 500 m  | 500 m             |
| Rimstad                        | Rimstad, SKÄNNINGE                             | 582709N 0151139E (*) | 500 m  | 300 m             |
| Rinkaby                        | Fjälkinge, KRISTIANSTAD                        | 555928N 0141754E (*) | 500 m  | 300 m             |
| Risan                          | Risan 4, NÄSSJÖ                                | 574131N 0145419E (*) | 500 m  | 300 m             |
| Rättviken                      | Båthamnsvägen, RÄTTVIK                         | 605242N 0150641E (*) | 500 m  | 300 m             |
| Rörberg                        | Gävle flygplats, VALBO                         | 603558N 0165717E (*) | 500 m  | 300 m             |
| Segelflygfältet                | Hjällsnäs, GRÄBO                               | 575040N 0121923E (*) | 500 m  | 390 m             |
| Segersjö                       | Segersjö 133, ODENSBACKEN                      | 591048N 0153442E (*) | 500 m  | 150 m             |
| Siljansnäs Flygfält, ESVS      | Flygfältet, SILJANSNÄS                         | 604706N 0144938E (*) | 500 m  | 300 m             |
| Sjöbo/Sövde flygplats          | Snogeholmsvägen, SJÖBO                         | 553535N 0134053E (*) | 500 m  | 500 m             |
| Sjöflygfältet                  | Sjöborg, GRÄBO                                 | 575105N 0121908E (*) | 500 m  | 390 m             |
| Skallmeja                      | Hulan, SKARA                                   | 582257N 0131107E (*) | 500 m  | 300 m             |
| Skillings Slätten              | Södra vägen 11, SKILLINGARYD                   | 572528N 0140552E (*) | 500 m  | 300 m             |
| Skuteryd                       | Flygfältet, EMMABODA                           | 563625N 0153614E (*) | 500 m  | 350 m             |
| S-landa                        | Flygfältet, LÖBERÖD                            | 554803N 0133721E (*) | 500 m  | 350 m             |
| Slättlanda                     | Helås, VARA                                    | 581650N 0125408E (*) | 500 m  | 300 m             |
| Snatra                         | Snatra 320, KARLSHOLMSBRUK                     | 603030N 0173947E (*) | 500 m  | 300 m             |
| Stacklanda                     | Stacklanda, TIDAHOLM                           | 581141N 0135623E (*) | 500 m  | 400 m             |
| Storängens Modellflygfält      | Rösakullen, STRÄNGNÄS                          | 592405N 0165838E (*) | 500 m  | 500 m             |
| Strand                         | Andbäcksmoren, VÄNNÄS                          | 635209N 0195135E (*) | 500 m  | 300 m             |
| Stranda MFK Torp               | Tror 218, MÖNSTERÅS                            | 570426N 0162736E (*) | 500 m  | 450 m             |
| Sunne Holmby                   | Flygfältet, SUNNE                              | 595131N 0130642E (*) | 500 m  | 600 m             |
| Säffle flygplats               | Nolby flygfält, SÄFFLE                         | 590515N 0125705E (*) | 500 m  | 450 m             |
| Sättna flygbas                 | Sör-Karlsmyran, KOVLAND                        | 622854N 0170005E (*) | 500 m  | 300 m             |
| Söderhamn flygplats            | Flygfältet, SÖDERHAMN                          | 611606N 0170501E (*) | 500 m  | 150 m och 300 m   |
| Thorlanda                      | Bergkvaravägen 21, TORSÅS                      | 562430N 0160131E (*) | 500 m  | 300 m             |
| Tierp flygplats                | Flygfältet, TIERP                              | 602058N 0172511E (*) | 500 m  | 300 m             |
| Travbanan - Rättvik            | Lugnetvägen, RÄTTVIK                           | 605415N 0150634E (*) | 500 m  | 600 m             |
| Trelleborg                     | Nygårdsvägen, TRELLEBORG                       | 552205N 0131405E (*) | 500 m  | 400 m             |
| Tullinge bana 06               | Fd F18, TULLINGE                               | 591031N 0175333E (*) | 500 m  | 500 m             |
| Tullinge bana 33               | Fd F18, TULLINGE                               | 591025N 0175517E (*) | 500 m  | 500 m             |
| Uppsala Fyris                  | Tjocksta, UPPSALA                              | 594931N 0174722E (*) | 500 m  | 350 m             |

| Field                     | Location                              | Centerpoint          | Radius | Upper limit (AGL) |
|---------------------------|---------------------------------------|----------------------|--------|-------------------|
| Vallstena                 | Gudings, SLITE                        | 573640N 0183652E (*) | 500 m  | 300 m             |
| Valsta                    | Fjällsta, HALLSTAHAMMAR               | 593607N 0161626E (*) | 500 m  | 500 m             |
| Vangsta                   | Vangsta, HÄRNÖSAND                    | 623657N 0175939E (*) | 500 m  | 300 m             |
| Vankiva                   | Vankiva 8056, VANKIVA                 | 561056N 0134458E (*) | 500 m  | 300 m             |
| Veslanda                  | Ysane, SÖLVESBORG                     | 560546N 0143842E (*) | 500 m  | 400 m             |
| Vetlanda Upplanda         | Upplanda, VETLANDA                    | 572514N 0150659E (*) | 500 m  | 300 m             |
| Vingtippen                | Kvarteret Forsåker, MÖLNDAL           | 573831N 0120320E (*) | 500 m  | 350 m             |
| Vrå Säteri                | Tibble-Vrå, VÄNGE                     | 594934N 0171813E (*) | 500 m  | 300 m             |
| Västervik - Kejserslund   | GäddeglövägenKejserslund 2, VÄSTERVIK | 574634N 0163403E (*) | 500 m  | 400 m             |
| Växjö                     | Flygfältet, ALVESTA                   | 565533N 0143233E (*) | 500 m  | 400 m             |
| Älleberg flygplats        | Älleberg, FALKÖPING                   | 580810N 0133610E (*) | 500 m  | 500 m             |
| Ånge/Tälje flygplats      | Flygfältet, ERIKSLUND                 | 623350N 0155012E (*) | 500 m  | 300 m             |
| Älmhult/Möckeln flygplats | Flygfältet, ÄLMHULT                   | 563423N 0141009E (*) | 500 m  | 600 m             |
| Äsperud                   | Äsperud, ASKERSUND                    | 585719N 0145956E (*) | 500 m  | 300 m             |
| Östervåla - NUFK          | Lissgårdsbacken, ÖSTERVÅLA            | 600958N 0171336E (*) | 500 m  | 300 m             |

**INTENTIONALLY BLANK**



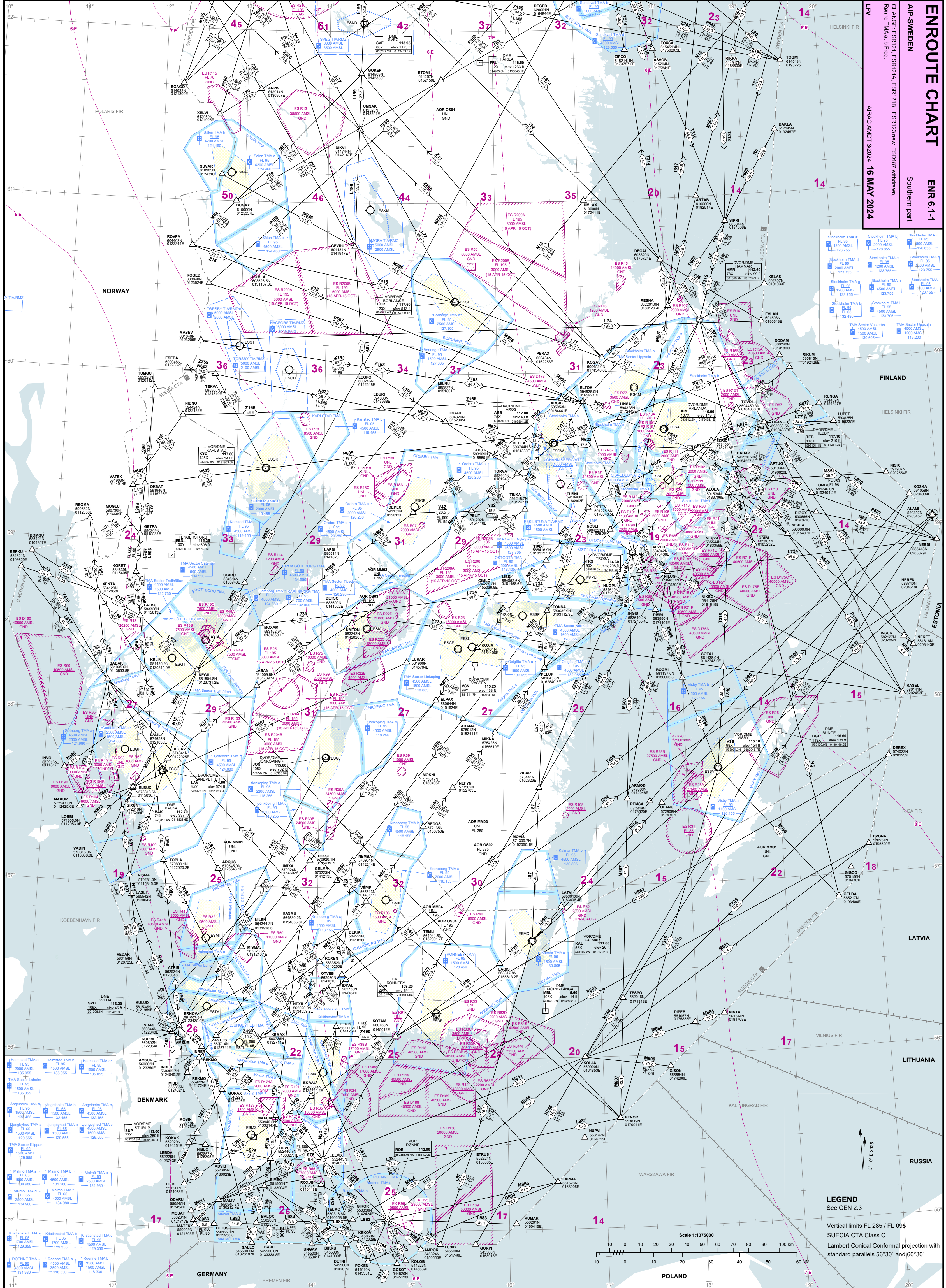
# ENROUTE CHART

ENR 6-1-1  
Southern part

AP-SWEDEN

CHANGE: ESR121, ESR134, ESR1218, ESR123 new ESD187 withdrawn  
Revised TMA's, D'Heer

AIRAC AMDT 3/2024 16 MAY 2024



| Stockholm TMA a               | Stockholm TMA b               | Stockholm TMA c               |
|-------------------------------|-------------------------------|-------------------------------|
| EL 35<br>2000 AMSL<br>123.755 | EL 35<br>2000 AMSL<br>126.655 | EL 35<br>2000 AMSL<br>126.655 |
| Stockholm TMA d               | Stockholm TMA e               | Stockholm TMA f               |
| EL 35<br>2000 AMSL<br>123.755 | EL 35<br>1200 AMSL<br>123.755 | EL 35<br>3000 AMSL<br>123.755 |
| Stockholm TMA g               | Stockholm TMA h               | Stockholm TMA i               |
| EL 35<br>1200 AMSL<br>123.755 | EL 35<br>4500 AMSL<br>123.755 | EL 35<br>3000 AMSL<br>126.155 |
| Stockholm TMA j               | Stockholm TMA k               | Stockholm TMA l               |
| EL 35<br>132.480              | EL 35<br>4500 AMSL<br>133.705 | EL 35<br>1500 AMSL<br>119.200 |

TMA Sector Västerås  
EL 35  
1500 AMSL  
130.600

TMA Sector Uppsala  
EL 35  
1500 AMSL  
119.200

**LEGEND**  
See GEN 2.3

Vertical limits FL 285 / FL 095  
SUECIA CTA Class C  
Lambert Conformal projection with  
standard parallels 56°30' and 60°30'

Scale 1:1,375,000

0 10 20 30 40 50 60 70 80 90 100 km

0 10 20 30 40 50 60 NM







| HELIPORT<br>Location Indicator<br>Coordinates (ARP)<br>Elevation (ft)    | Dimensions (m)                   | Surface<br>Bearing strength<br>(Tonnes)<br>Types<br>E=Elevated<br>H=Helideck<br>S=Surface-level<br>W=Water | Light | ATS<br>Fuel | COM<br>FREQ<br>(MHz) | Category<br>Owner/Operator<br>TEL Fax<br>Regulations and restrictions<br>Remarks  |
|--|----------------------------------|--|-------|-------------|----------------------|---|
| GÖTEBORG/Sahlgrenska sjukhuset<br>ESHS<br>574100N 0115723E (*)<br>180 ft | TLOF Ø 28<br>FATO Ø 28           | METAL (11) E<br>METAL (11) E   | Yes   | -           | -                    | Licensed helicopter AD<br>County council<br>+46 (0)31 342 10 00<br>PPR 15 min PN<br>SOS Rescue Coordination Centre<br>+46 (0)31 703 15 80<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.vgregion.se/heliport                                |
| GÖTEBORG/Östra sjukhuset<br>ESHB<br>574310N 012030E<br>240 ft            | TLOF Ø 20<br>FATO Ø 20           | CONC (11) E<br>CONC (11) E   | Yes   | -           | -                    | Licensed helicopter AD<br>County council<br>+46 (0)31 342 65 00<br>PPR 15 min PN HEMS-coordinator:<br>+46 (0)31 334 11 96<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.vgregion.se/heliport  |
| GÖVIKEN/Helikopterflygplats<br>ESJH<br>631129N 0143750E<br>968 ft        | TLOF Ø 20<br>FATO Ø 20           | ASPH - S<br>ASPH - S   | Yes   | Jet A1      | -                    | Non-licensed helicopter AD<br>County council<br>+46 (0)63 15 30 00<br>PPR 15 min PN +46 (0)70 350 99 64<br>PCL on freq 123.650 MHz, 5 sec<br>duration.<br>Ambulance and rescue flights only.  |
| HUDIKSVALL/Sjukhuset<br>ESHX<br>614350N 0170600E (*)<br>76 ft            | TLOF 20.9x22.8<br>FATO 20.9x22.8 | CONC (10) E<br>CONC (10) E   | Yes   | -           | -                    | Licensed helicopter AD<br>County council<br>+46 (0)20 47 04 70<br>+46 (0)70 377 61 07 Jour<br>+46 (0)73 020 52 58<br>PPR 45 min PN<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.regiongavleborg.se/heliport                                |
| JÖNKÖPING/Ryhov sjukhus<br>ESHJ<br>574553N 0141140E<br>346 ft            | TLOF Ø 24<br>FATO Ø 24           | CONC/ASPH - S<br>CONC/ASPH - S   | Yes   | -           | -                    | Non-licensed helicopter AD<br>County council<br>+46 (0)10 241 00 00<br>PPR 15 min PN<br>SOS Rescue Coordination Centre<br>+46 (0)36 12 38 44<br>+46 (0)36 13 00 03<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.rjl.se/heliport            |
| KARLSKRONA/Blekingesjukhuset<br>ESHN<br>561100N 0153632E<br>90 ft        | TLOF Ø 17<br>FATO Ø 17           | ASPH - -<br>ASPH - -   | Yes   | -           | -                    | Non-licensed helicopter AD<br>County council<br>Lights switched on by SOS Rescue<br>Coordination Centre.<br>+46 (0)455 73 10 00<br>Ambulance and rescue flights only.   |
| KARLSTAD/Centralsjukhuset<br>ESHV<br>592234N 0132834E<br>157 ft          | TLOF Ø 28<br>FATO Ø 28           | ASPH - S<br>ASPH - S   | Yes   | -           | -                    | Licensed helicopter AD<br>County council<br>+46 (0)10 831 50 00<br>PPR 15 min PN<br>Sjukvårdens Larmcentral (SvLC)<br>Värmland<br>+46 (0)54 83 34 50 or via RAKEL.<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.regionvarmland.se/heliport |

| HELIPORT<br>Location Indicator<br>Coordinates (ARP)<br>Elevation (ft)               | Dimensions (m)           | Surface<br>Bearing strength<br>(Tonnes)<br>Types<br>E=Elevated<br>H=Helideck<br>S=Surface-level<br>W=Water | Light  | ATS<br>Fuel   | COM<br>FREQ<br>(MHz) | Category<br>Owner/Operator<br>TEL Fax<br>Regulations and restrictions<br>Remarks  |
|---|--------------------------|--|--------|---------------|----------------------|---|
| KIRUNA/Kiruna sjukhus<br>ESEQ<br>675101N 0201412E<br>1758 ft                        | TLOF 20x20<br>FATO 20x20 | ASPH - -<br>ASPH - -   | Yes    | -             | -                    | Non-licensed helicopter AD<br>County council<br>+46 (0)920 28 40 00<br>PPR 30 min PN<br>SOS Rescue Coordination Centre<br>+46 (0)920 22 02 75<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.nllplus.se/heliport   |
| KIRUNA/Luossajärvi<br>ESEK<br>675136N 0201225E<br>1550 ft                           | TLOF Ø 5.4<br>FATO Ø 60  | Gravel - -<br>Gravel - -   | No     | Jet A1<br>O/R | -                    | Non-licensed helicopter AD<br>Private<br>Operator:<br>Kallax Flyg AB<br>+46 (0)911 25 10 30<br>PPR  |
| Kriegers Flak A<br>ESEX<br>550128N 0125103E (*)<br>118 ft                           | TLOF Ø 17<br>FATO -      | METAL (6.8)<br>-   | E      | Yes           | -                    | 123.405<br>Licensed by Danish CAA<br>Foreign<br>Operator:<br>Energinet (TSO in Denmark)<br>+45 (0)70 10 22 44   |
| Kriegers Flak B<br>ESEZ<br>550255N 0125642E (*)<br>115 ft                           | TLOF Ø 17<br>FATO -      | METAL (6.8)<br>-   | E      | Yes           | -                    | 125.405<br>Licensed by Danish CAA<br>Foreign<br>Operator:<br>Energinet (TSO in Denmark)<br>+45 (0)70 10 22 44   |
| KRISTIANSTAD/Centralsjukhuset<br>ESHI<br>560145N 0141018E<br>7 ft                   | TLOF Ø 20<br>FATO Ø 20   | ASPH - S<br>ASPH - S   | Yes    | -             | -                    | Non-licensed helicopter AD<br>County council<br>+46 (0)44 309 10 00 (exch)<br>+46 (0)44 309 19 98 UAS consultation<br>PPR 30 min PN<br>SOS Rescue Coordination Centre<br>+46 (0)722 07 01 37<br>Ambulance and rescue flights only.<br>Regulations and restrictions see<br>www.skane.se/heliport |
| KUNGÄLV/Kungälv's sjukhus<br>ESHM<br>575238N 0115805E<br>36 ft                      | TLOF Ø 24<br>FATO Ø 24   | ASPH - S<br>ASPH - S   | Yes    | -             | -                    | Non-licensed helicopter AD<br>County council<br>+46 (0)30 39 80 00<br>PPR 15 min PN<br>SOS Rescue Coordination Centre<br>+46 (0)31 703 15 80<br>Ambulance and rescue flights only.<br>Regulations see Heliport chart,<br>www.vgregion.se/heliport   |
| LINKÖPING/US Linköping<br>helikopterflygplats<br>ESJL<br>582406N 0153710E<br>364 ft | TLOF Ø 20<br>FATO Ø 20   | CONC (11)<br>CONC (11)   | E<br>E | Yes           | -                    | -<br>Licensed helicopter AD<br>County council<br>+46 (0)10 103 00 00<br>PPR 30 min PN<br>SOS Rescue Coordination Centre<br>+46 (0)11 10 40 10<br>Ambulance and rescue flights only.<br>Max rotor diameter 16.4 m.<br>Regulations see<br>www.regionostergotland.se/heliport                      |

| AERODROME<br>Location Indicator<br>Coordinates (ARP)<br>Location<br>Elevation (ft) | RWY            | Dimensions<br>(m) | Surface       | Light     | ATS<br>Fuel              | COM<br>FREQ<br>(MHz) | Category<br>Owner/Operator<br>TEL Fax<br>Regulations and restrictions<br>Remarks  |
|--|----------------|-------------------|---------------|-----------|--------------------------|----------------------|---|
| NORRTÄLJE<br>ESSN<br>594358N 0184147E (*)<br>1.6 NM S<br>40 ft                     | 07/25          | 830x18            | ASPH          | Yes       | 100LL<br>91/96<br>Jet A1 | 123.325              | Non-licensed AD<br>Roslagens flygklubb<br>+46 (0)176 163 08<br>info@rfk.nu<br>RWY 07 down slope.<br>RWY 25 up slope.<br>Right hand traffic circuit to RWY 07.<br>RWY lights 3 m outside ASPH edge.<br>Only 650 meter starting from THR<br>RWY 25.<br>PCL on freq 123.325 MHz 8 sec<br>duration.<br>PPR for TGL during darkness.<br>TGL not allowed 2100-0600<br>(2000-0500) during weekdays and<br>1800-0800 (1700-0700) during HOL |
| OPTAND<br>ESNM<br>630731N 0144830E (*)<br>5 NM SE Östersund<br>1236 ft             | 18/36<br>15/33 | 1000x18<br>750x40 | ASPH<br>Grass | Yes<br>No | 100LL                    | 123.550              | Non-licensed AD<br>Östersunds flygklubb<br>+46 (0)63 352 45<br>+46 (0)63 51 01 50<br>Right hand traffic circuit to RWY 33<br>and 36.<br>Situated near restricted area<br>ES R08C.   |
| ORSA<br>ESNR<br>611132N 0144309E (*)<br>1 NM WNW Mässbacken<br>683 ft              | 03/21          | 1000x30           | ASPH          | No        | -                        | 123.400              | Non-licensed AD<br>Orsa Tallhed Flygsällskap<br>+46 (0)250 55 01 47<br>+46 (0)705 48 13 81<br>+46 (0)706 38 10 70<br>+46 (0)762 73 11 01<br>Motor activities on RWY may occur.<br>Grass area preferably for ultra light,<br>winchlaunching of gliders and<br>parachute jumping.   |
| OSKARSHAMN<br>ESMO<br>572107N 0162954E<br>NNE 5.4 NM from Oskarshamn<br>96 ft      | 01/19          | 1504x30           | ASPH          | No        | -                        | 123.350              | Non-Licensed AD<br>Municipal<br>+46 (0)72 562 19 86 for info and fuel.<br>No snow clearance during<br>winterperiod.<br>Other activities may occur on RWY,<br>TWY and apron se NOTAM.<br>servicecenter@oskarshamn.se<br>www.oskarshamn.se/flygplatsen  |
| OVIKEN<br>ESUO<br>630230N 0140005E (*)<br>1640 ft                                  | 18/36          | 750x20            | Grass         | No        | 91UL<br>100LL<br>O/R     | 123.150              | Non-licensed AD<br>Private<br>+46 (0)702 88 64 19<br>+46 (0)706 41 59 41<br>PPR<br>Hangar<br>Caution - Low level turbulence/Lee<br>wave rotor in wind directions from SW<br>to NW.  |
| PAJALA<br>ESUP<br>Details, see AD 2  | 11/29          | 2300x45           | ASPH          | Yes       | AFIS                     | Yes                  | Licensed, instrument AD<br>Municipal  |

| <b>AERODROME</b><br>Location Indicator<br>Coordinates (ARP)<br>Location<br>Elevation (ft) | RWY                | Dimensions<br>(m) | Surface       | Light     | ATS<br>Fuel              | COM<br>FREQ<br>(MHz) | Category<br>Owner/Operator<br>TEL Fax<br>Regulations and restrictions<br>Remarks   |
|---|--------------------|-------------------|---------------|-----------|--------------------------|----------------------|--|
| <b>PITEÅ</b><br>ESNP<br>652354N 0211539E (*)<br>8 NM NW<br>43 ft                          | 16/34              | 1000x25           | ASPH          | Yes       | 100LL<br>Jet A1          | 123.550              | Non-licensed AD<br>Piteå flygklubb<br>+46 (0)706 45 38 87<br>PPR   |
| <b>RAMSELE</b><br>ESUR<br>632925N 0162901E (*)<br>2.7 NM S<br>660 ft                      | 14/32              | 740x30            | Grass         | No        | 100LL<br>91/96           | 123.600              | Non-licensed AD<br>Ramsele flygklubb<br>+46 (0)623 200 05<br>+46 (0)623 320 18<br>THR 14 displaced 30 m.<br>THR 32 displaced 60 m.   |
| <b>RONNEBY</b><br>ESDF<br>Details, see AD 2   | 01/19<br>12/30     | 2331x45<br>600x30 | ASPH<br>Grass | Yes<br>No | TWR                      | Yes                  | MIL, licensed instrument AD<br>FM/Swedish Armed Forces   |
| <b>RÅDA</b><br>ESFR<br>582953N 0130311E (*)<br>230 ft                                     | 18/36              | 1987x35           | ASPH          | Yes       | -                        | -                    | MIL, non-licensed AD<br>Military<br>+46 (0)510 87 75 00 (Airport manager)<br>PPR<br>Permission will be granted in<br>exceptional cases only.   |
| <b>SANDVIK</b><br>ESFS<br>570406N 0165151E (*)<br>16 NM NNE Borgholm<br>36 ft             | 17/35              | 600x25            | Grass         | No        | -                        | 123.450              | Non-licensed AD<br>Private<br>+46 (0)720 62 60 53<br>+46 (0)704 61 66 75<br>+46 (0)705 40 33 76<br>PPR<br>Available APR-SEP  |
| <b>SILJANSNÄS</b><br>ESVS<br>604706N 0144938E (*)<br>1 NM NW<br>611 ft                    | 14R/32L<br>14L/32R | 850x16<br>850x35  | ASPH<br>Grass | No<br>No  | 100LL<br>91/96           | 123.550              | Non-licensed AD<br>Siljansnäs flygklubb<br>+46 (0)247 228 80<br>+46 (0)247 228 51<br>Right hand traffic circuit to RWY 14.   |
| <b>SJÖBO SÖVDE</b><br>ESMI<br>553554N 0134038E (*)<br>2 NM SSW Sjöbo<br>118 ft            | 12/30              | 950x50            | Grass         | Yes       | 91/96 UL                 | 123.650              | Non-licensed AD<br>Municipal<br>+46 (0)416 160 51<br>For powered aircraft right hand traffic<br>circuit when RWY 30 is in use.<br>For gliders right hand traffic circuit<br>when RWY 12 is in use.<br>APR-NOV extensive launching of<br>gliders. |
| <b>SKELLEFTEÅ</b><br>ESNS<br>Details, see AD 2  | 10/28              | 2520x45           | ASPH          | Yes       | TWR                      | Yes                  | Licensed, instrument AD<br>Municipal   |
| <b>SKÖVDE</b><br>ESGR<br>582722N 0135822E<br>5.4 NM NE from Skövde<br>324 ft              | 01/19              | 1736x30           | ASPH          | Yes       | 100LL<br>91/96<br>Jet A1 | 123.055              | Non-licensed AD<br>Municipal<br>+46 (0)500 49 86 00<br>info@esgr.se<br>PPR 01 NOV-31 MAR<br>PCL on freq 123.055 MHz, 10 sec<br>duration.   |

**VISUAL APPROACH CHART - ICAO**

1:250000  
1 0 1 2 3 4 5 km  
1 0 1 2 3 NM

**AD ELEV 140 FEET**

ELEV and ALT in ft  
HGT in ft above AD ELEV

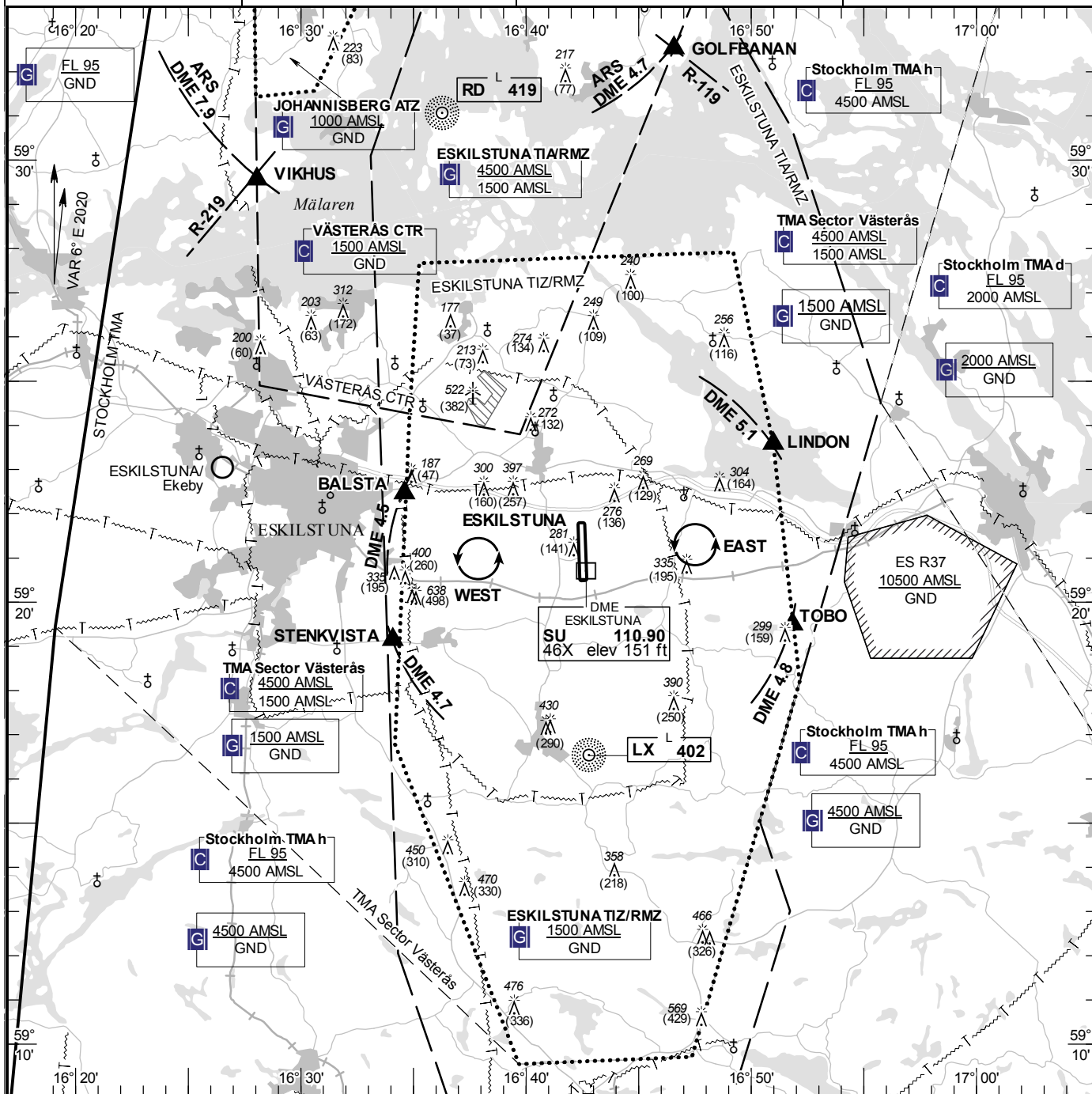
**TA 5000 AMSL**

**ESKILSTUNA INFORMATION**

**126.855**

**AD 2 ESSU 6-1**

**ESKILSTUNA SWEDEN**



**Communication failure**

NIL

| RWY NR | THR ELEV | APAPI (MEHT)                   |
|--------|----------|--------------------------------|
| 18     | 129 ft   | APAPI<br>Left/2.86°<br>(50 ft) |
| 36     | 130.4 ft | APAPI<br>Left/3.00°<br>(50 ft) |

**Entry / exit point**

|            |                  |
|------------|------------------|
| LINDON     | 592334N 0165059E |
| TOBO       | 591929N 0165150E |
| STENKVISTA | 591908N 0163405E |
| BALSTA     | 592227N 0163436E |

**Remark**

NIL

**Holding**

EAST: Hold east of road  
WEST: Hold west of cross road

**Warning**

During APCH RWY 36 risk for mix-up and LDG on other RWY short SW of THR 36.

**Legend**

See GEN 2.3



**AD 2 AERODROMES****ESNG 2.1 AERODROME LOCATION INDICATOR AND NAME****ESNG – GÄLLIVARE****ESNG 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- |    |  |   |
|----|--|---|
| 1. | ARP coordinates and site at AD               | 670759N 0204844E RWY 730 m from THR 12  |
| 2. | Direction and distance from (city)           | E 3.8 NM from Gällivare   |
| 3. | Elevation/Reference temperature              | 1027 ft/+18.5°C   |
| 4. | Geoid undulation at AD ELEV PSN              | 94 ft   |
| 5. | MAG VAR/Annual change                        | 9° E 2020/+0.2 increasing   |
| 6. | Administration, address, telephone, fax, AFS | Gällivare kommun<br>Gällivare flygplats<br>SE-982 81 Gällivare<br>TEL: +46 (0)970 780 00<br>FAX: +46 (0)970 780 09<br>E-mail: airport@gallivare.se<br>AFS: ESNGZTX<br>Website: www.lapair.se  |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 4C  |
| 8. | Remarks                                      | PPR for all non scheduled traffic outside ATS HR of OPS. Request shall be made 72 hours before ARR to airport@gallivare.se.<br>Caution due intermittent motor vehicles on RWY.<br>Ambulance helicopter is located at the airport. Delays may occur. |

**ESNG 2.3 OPERATIONAL HOURS**

- |     |   |   |
|-----|---|---|
| 1.  | AD Administration<br>AD Operating hours | MON-FRI 0700-1500 (0600-1400)<br>As ATS                 |
| 2.  | Customs and immigration                 | -   |
| 3.  | Health and sanitation                   | -   |
| 4.  | AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc             |
| 5.  | ATS Reporting Office (ARO)              | As ATS  |
| 6.  | MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc             |
| 7.  | ATS                                     | Ref AIP SUP/NOTAM                                       |
| 8.  | Fuelling                                | As AD operating hours or O/R.                           |
| 9.  | Handling                                | For scheduled flights, other O/R.                       |
| 10. | Security                                | Screening and CSRA for scheduled flights, other O/R.    |
| 11. | De-Icing                                | For scheduled flights, other O/R.                       |
| 12. | Remarks                                 | Increased charges outside hours of scheduled operations |

**ESNG 2.4 HANDLING SERVICES AND FACILITIES**

|    |  |  |
|----|--|--|
| 1. | Cargo-handling facilities              | Limited  |
| 2. | Fuel/oil types                         | Fuel Jet A1<br>Oil -   |
| 3. | Fuelling facilities/discharge capacity | Jet A1 : 70 000 l, hydrant fuelling                                    |
| 4. | De-icing facilities                    | Available, Type I and II, mobile unit                                  |
| 5. | Hangar space for visiting ACFT         | O/R airport@gallivare.se   |
| 6. | Repair facilities for visiting ACFT    | -  |
| 7. | Remarks                                | For payment of fuel only VISA and Mastercard credit cards are accepted |

**ESNG 2.5 PASSENGER FACILITIES**

|    |                      |                    |
|----|----------------------|--------------------|
| 1. | Hotels               | In Gällivare       |
| 2. | Restaurants          | In Gällivare       |
| 3. | Transportation       | Taxis, rental cars |
| 4. | Medical facilities   | In Gällivare       |
| 5. | Bank and Post Office | In Gällivare       |
| 6. | Tourist Office       | In Gällivare       |
| 7. | Remarks              | -                  |

**ESNG 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|    |   |   |
|----|---|---|
| 1. | AD category for fire fighting               | CAT 5 for SKED TFC, other O/R   |
| 2. | Rescue equipment                            | Tracked vehicle, snowmobile   |
| 3. | Capability for removal of disabled aircraft | By arrangement. Contact Airport duty officer during AD operating hours +46 (0)70 307 40 43. |
| 4. | Remarks                                     | -   |

**ESNG 2.7 SEASONAL AVAILABILITY – CLEARING**

|    |                             |   |
|----|-----------------------------|---|
| 1. | Types of clearing equipment | Snowploughs, sweepers, blowers, spreaders, slingers |
| 2. | Clearance priorities        | RWY, TWY, Apron                                     |
| 3. | Remarks                     | -   |



**AD 2 AERODROMES****ESGP 2.1 AERODROME LOCATION INDICATOR AND NAME****ESGP – GÖTEBORG/SÄVE****ESGP 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- |   |   |
|---|---|
| 1. ARP coordinates and site at AD               | 574632N 0115214E RWY 275 m from THR 01  |
| 2. Direction and distance from (city)           | NW 5.0 NM from Göteborg   |
| 3. Elevation/Reference temperature              | 59 ft/+18.5°C   |
| 4. Geoid undulation at AD ELEV PSN              | 118 ft  |
| 5. MAG VAR/Annual change                        | 4° E 2020/+0.2 increasing   |
| 6. Administration, address, telephone, fax, AFS | Säve Flygplatsdrift AB<br>Säve Flygplatsväg 28<br>423 73 Säve<br>TEL: +46 (0)31 744 09 09<br>E-mail: op.save@castellum.se<br>AFS: -<br>Website: www.saveflygplats.com |
| 7. Types of traffic permitted (IFR/VFR)         | VFR. Max RWY ref code 2C  |
| 8. Remarks                                      | -   |

**ESGP 2.3 OPERATIONAL HOURS**

- |  |  |
|--|--|
| 1. AD Administration<br>AD Operating hours | MON-FRI 0700-1700 (0600-1600)<br>Ref AIP SUP/NOTAM |
| 2. Customs and immigration                 | -  |
| 3. Health and sanitation                   | -  |
| 4. AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc        |
| 5. ATS Reporting Office (ARO)              | As ATS   |
| 6. MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc        |
| 7. ATS                                     | Ref AIP SUP/NOTAM                                  |
| 8. Fuelling                                | Jet A1 self service and 100LL self service: As ATS |
| 9. Handling                                | O/R  |
| 10. Security                               | -  |
| 11. De-icing                               | -  |
| 12. Remarks                                | -  |

**ESGP 2.4 HANDLING SERVICES AND FACILITIES**

|    |  |  |
|----|--|--|
| 1. | Cargo-handling facilities              | -  |
| 2. | Fuel/oil types                         | Fuel Jet A1, 100LL<br>Oil -                                |
| 3. | Fuelling facilities/discharge capacity | Jet A1: 50 000 l<br>100LL: 20 000 l                        |
| 4. | De-icing facilities                    | -  |
| 5. | Hangar space for visiting acft         | O/R  |
| 6. | Repair facilities for visiting acft    | Limited  |
| 7. | Remarks                                | For payment of fuel: Hjelmcø Oil card, VISA or Mastercard. |

**ESGP 2.5 PASSENGER FACILITIES**

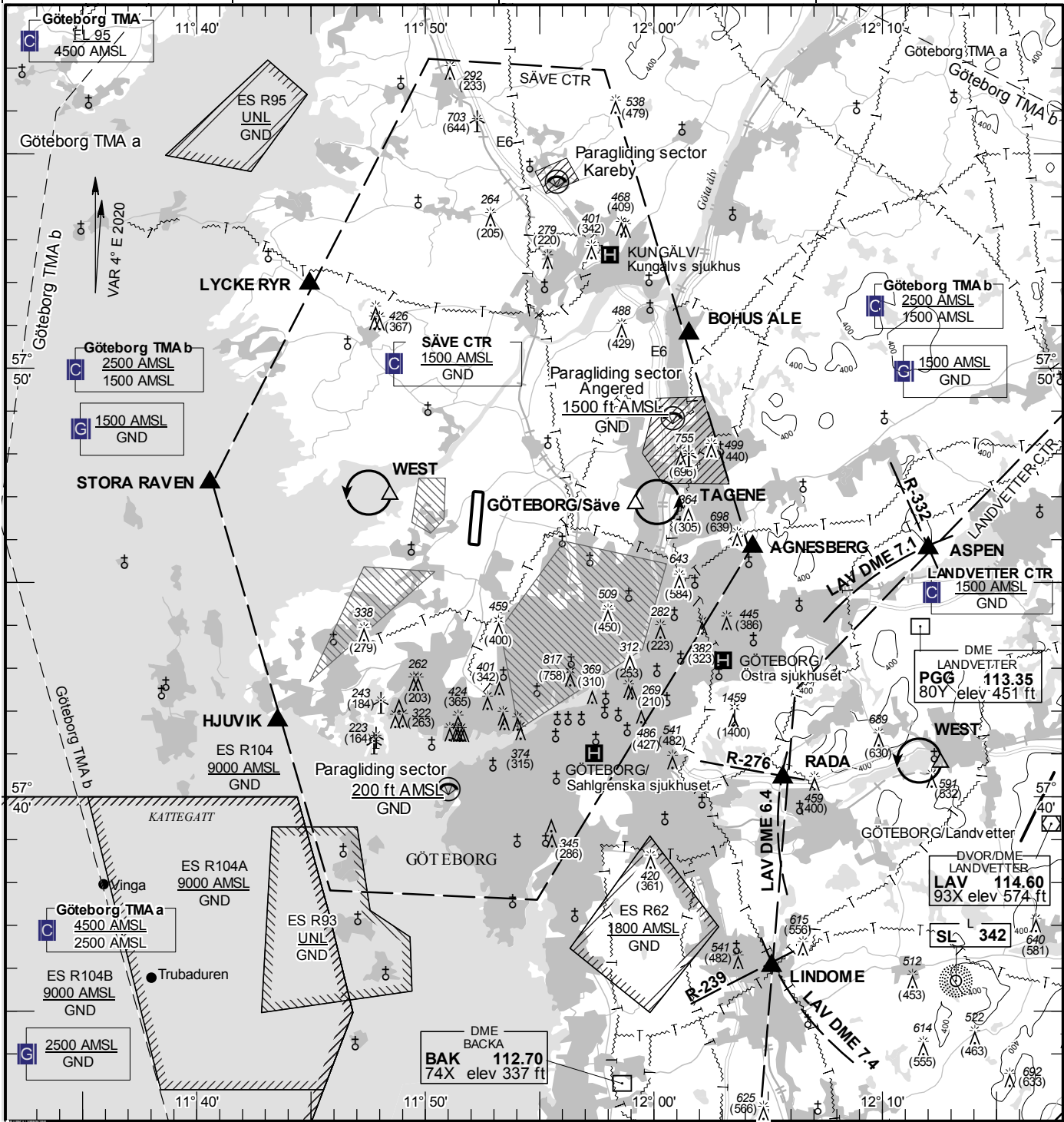
|    |                      |                       |
|----|----------------------|-----------------------|
| 1. | Hotels               | In Göteborg           |
| 2. | Restaurants          | At AD                 |
| 3. | Transportation       | Local buses, taxi O/R |
| 4. | Medical facilities   | In Göteborg           |
| 5. | Bank and Post Office | In Göteborg           |
| 6. | Tourist Office       | In Göteborg           |
| 7. | Remarks              | -                     |

**ESGP 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|    |   |               |
|----|---|---------------|
| 1. | AD category for fire fighting               | Not available |
| 2. | Rescue equipment                            | -             |
| 3. | Capability for removal of disabled aircraft | -             |
| 4. | Remarks                                     | -             |

**ESGP 2.7 SEASONAL AVAILABILITY – CLEARING**

|    |                             |   |
|----|-----------------------------|---|
| 1. | Types of clearing equipment | Ploughs   |
| 2. | Clearance priorities        | FATO, Apron, TWY, RWY                                       |
| 3. | Remarks                     | No measuring of BA. No actions will be taken to improve BA. |



**Communication failure**

- SQUAWK 7600
- Enter CTR via AGNESBERG - Holding TAGENE or via STORA RAVEN – Holding WEST at or below 1500 ft AMSL to join traffic circuit.  
Transmit blind your intentions.
- Flash LDG-lights and watch TWR for optical signals.

**Remark**

Obstacle below 197 ft AGL not shown in CTR.  
Noise sensitive area, to be avoided.

| RWY | THR   | PAPI   |
|-----|-------|--------|
| NR  | ELEV  | (MEHT) |
| 01  | 51 ft | NIL    |
| 19  | 48 ft | NIL    |

**Legend**  
See GEN 2.3

**Entry / exit point**

|             |                  |
|-------------|------------------|
| LYCKE RYR   | 575157N 0114456E |
| BOHUS ALE   | 575047N 0120132E |
| AGNESBERG   | 574549N 0120419E |
| HJUVIK      | 574146N 0114332E |
| STORA RAVEN | 574719N 0114034E |

**Holding**

|         |  |
|---------|--|
| TAGENE: | Hold over gravel pit east of point 574649N 0115912E              |
| WEST:   | Hold west of Nolvik over the sea, west of point 574702N 0114826E |



**ESGJ 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

- |    |   |  |
|----|---|--|
| 1. | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of ACFT stands | Taxi guide lines and signs. Marshalling available<br>See ESGJ 2-1  |
| 2. | RWY and TWY markings and LGT  | RWY 01/19: Designator, THR, TDZ, CL and edges are day marked.<br>RTHL, REDL, RENL.<br>11/29: White flat rectangular markers, size 1m by 3m, no lights.<br><br>TWY A: CL, HLDG day marked. Edge lights, RGL<br>B: CL, HLDG day marked. Edge lights, RGL |
| 3. | Stop bars   | -  |
| 4. | Remarks   | -  |

## ESGJ 2.10 AERODROME OBSTACLES

| In Area 2           |           |                      |                     |                           |         |
|---------------------|-----------|----------------------|---------------------|---------------------------|---------|
| OBST ID/Designation | OBST type | OBST position        | ELEV/HGT<br>in feet | Markings/ Type,<br>colour | Remarks |
| a                   | b         | c                    | d                   | e                         | f       |
| ESGJ1               | Forest    | 574616.5N 0140436.0E | 748 / -             | -                         | -       |
| ESGJ2               | Forest    | 574615.6N 0140442.1E | 754 / -             | -                         | -       |
| ESGJ3               | Forest    | 574618.7N 0140442.7E | 758 / -             | -                         | -       |
| ESGJ4               | Mast      | 574622.3N 0140438.0E | 762 / -             | -                         | -       |
| ESGJ5               | Forest    | 574624.7N 0140449.4E | 767 / -             | -                         | -       |
| ESGJ6               | Forest    | 574628.8N 0140437.6E | 776 / -             | -                         | -       |
| ESGJ7               | Forest    | 574629.3N 0140439.1E | 778 / -             | -                         | -       |
| ESGJ8               | Forest    | 574632.8N 0140437.6E | 802 / -             | -                         | -       |
| ESGJ9               | Forest    | 574642.7N 0140441.9E | 820 / -             | -                         | -       |
| ESGJ10              | Forest    | 574642.7N 0140442.2E | 822 / -             | -                         | -       |
| ESGJ11              | Forest    | 574705.7N 0140450.9E | 855 / -             | -                         | -       |
| ESGJ12              | Forest    | 574706.5N 0140450.3E | 859 / -             | -                         | -       |
| ESGJ13              | Forest    | 574706.5N 0140450.8E | 860 / -             | -                         | -       |
| ESGJ14              | Forest    | 574443.5N 0140344.6E | 746 / -             | -                         | -       |
| ESGJ15              | Antenna   | 574444.4N 0140335.0E | 747 / -             | -                         | -       |
| ESGJ16              | Forest    | 574442.2N 0140344.8E | 751 / -             | -                         | -       |
| ESGJ17              | Forest    | 574434.0N 0140343.3E | 774 / -             | -                         | -       |
| ESGJ18              | Forest    | 574433.3N 0140340.1E | 775 / -             | -                         | -       |
| ESGJ19              | Forest    | 574424.2N 0140337.4E | 804 / -             | -                         | -       |
| ESGJ20              | Forest    | 574410.5N 0140314.5E | 826 / -             | -                         | -       |
| ESGJ21              | Forest    | 574404.4N 0140322.6E | 833 / -             | -                         | -       |
| ESGJ22              | Forest    | 574400.2N 0140308.7E | 839 / -             | -                         | -       |
| ESGJ23              | Forest    | 574351.7N 0140316.2E | 853 / -             | -                         | -       |
| ESGJ24              | Forest    | 574346.0N 0140317.1E | 864 / -             | -                         | -       |
| ESGJ25              | Forest    | 574340.5N 0140320.1E | 882 / -             | -                         | -       |
| ESGJ26              | Forest    | 574340.5N 0140319.8E | 884 / -             | -                         | -       |
| ESGJ27              | Forest    | 574205.6N 0140119.5E | 1025 / -            | -                         | -       |
| ESGJ28              | Forest    | 574204.5N 0140124.0E | 1030 / -            | -                         | -       |
| ESGJ29              | Forest    | 574201.8N 0140113.9E | 1038 / -            | -                         | -       |
| ESGJ30              | Forest    | 574201.7N 0140113.8E | 1041 / -            | -                         | -       |

| In Area 3           |           |               |          |                        |         |
|---------------------|-----------|---------------|----------|------------------------|---------|
| OBST ID/Designation | OBST type | OBST position | ELEV/HGT | Markings/ Type, colour | Remarks |
| a                   | b         | c             | d        | e                      | f       |
| Not available       |           |               |          |                        |         |

**ESGJ 2.11 METEOROLOGICAL INFORMATION PROVIDED**

- |  |  |
|--|--|
| 1. Associated MET Office   | STOCKHOLM/Arlanda  |
| 2. Hours of service<br>MET Office outside hours  | H24  |
| 3. Office responsible for TAF preparation<br>Periods of validity, interval of issuance | STOCKHOLM/Arlanda<br>9 HR, <a href="https://tafplanner.smhi.se/app.php/production-program">https://tafplanner.smhi.se/app.php/production-program</a> |
| 4. Type of landing forecast<br>Interval of issuance                                    | Not issued   |
| 5. Briefing/consultation provided  | FPC H24, +46 (0)8 797 63 40, <a href="http://www.lfv.se/fpc">www.lfv.se/fpc</a>  |
| 6. Flight documentation<br>Language(s) used  | TAF, METAR, SIGMET, Upper air winds<br>Swedish/English   |
| 7. Charts and other information available for briefing or consultation                 | SWC, WC, Nordic SIGWX Chart, Low level forecast  |
| 8. Supplementary equipment available for providing information                         | -  |
| 9. ATS units provided with information   | JÖNKÖPING TWR  |
| 10. Additional information (limitation of service, etc.)                               | Flight planning room available.  |

## ESGJ 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations<br>RWY<br>NR | True BRG and<br>MAG BRG | Dimensions of<br>RWY (m) | Strength (PCN) and<br>surface of RWY and<br>SWY | THR coordinates<br>RWY end coordinates<br>THR geoid undulation | THR elevation and<br>highest elevation of<br>TDZ of precision<br>APCH RWY |
|---------------------------|-------------------------|--------------------------|---|--|---|
| 1                         | 2                       | 3                        | 4   | 5  | 6   |
| 01                        | 018.07° GEO<br>013° MAG | 2203 x 45                | PCN 55 F/B/X/T<br>ASPH                          | 574453.48N<br>0140346.76E<br><br>GUND 108.0 ft                 | THR 734.3 ft<br>TDZ 739.0 ft  |
| 19                        | 198.08° GEO<br>193° MAG | 2203 x 45                | PCN 55 F/B/X/T<br>ASPH                          | 574601.19N<br>0140428.09E<br><br>GUND 107.8 ft                 | THR 739.1 ft<br>TDZ 741.3 ft  |
| 11                        | 113.91° GEO<br>109° MAG | 525 x 25                 | PCN -<br>GRASS                                  | 574513.16N<br>0140405.11E<br><br>GUND 108 ft                   | THR 737 ft  |
| 29                        | 293.91° GEO<br>289° MAG | 525 x 25                 | PCN -<br>GRASS                                  | 574506.29N<br>0140434.11E<br><br>GUND 108 ft                   | THR 738 ft  |

| Slope of<br>RWY-SWY | SWY<br>dimensions (m) | CWY<br>dimensions (m) | Strip<br>dimensions (m) | OFZ | Remarks |
|---------------------|-----------------------|-----------------------|-------------------------|-----|---------|
| 7                   | 8                     | 9                     | 10                      | 11  | 12      |
| 01 See ESGJ AOC     | -                     | 450 x 180             | 2380 x 280              | -   | -       |
| 19 See ESGJ AOC     | -                     | 190 x 150             | 2380 x 280              | -   | -       |
| 11                  | -                     | -                     | 585 x 60                | -   | -       |
| 29                  | -                     | -                     | 585 x 60                | -   | -       |

## ESGJ 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks                                 |
|----------------|----------|----------|----------|---------|---|
| 1              | 2        | 3        | 4        | 5       | 6                                       |
| 01             | 2203     | 2653     | 2203     | 2203    | Intermediate distances, see<br>ESGJ AOC |
| 19             | 2203     | 2393     | 2203     | 2203    | -                                       |
| 11             | 525      | 525      | 525      | 525     | -                                       |
| 29             | 525      | 525      | 525      | 525     | -                                       |

## DECLARED DISTANCES TAKE-OFF INTERSECTIONS

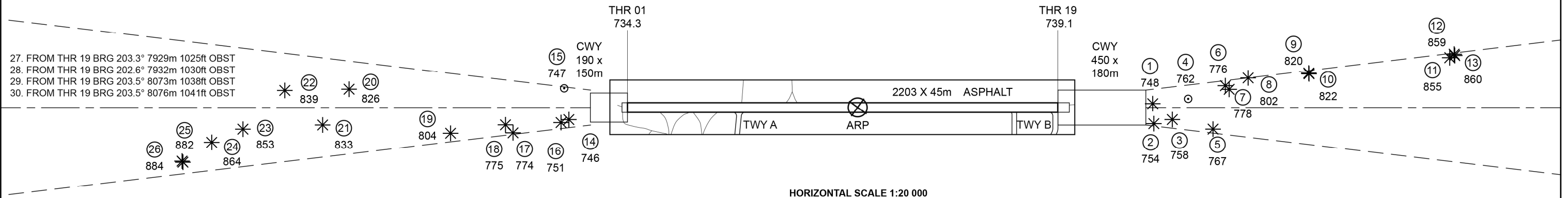
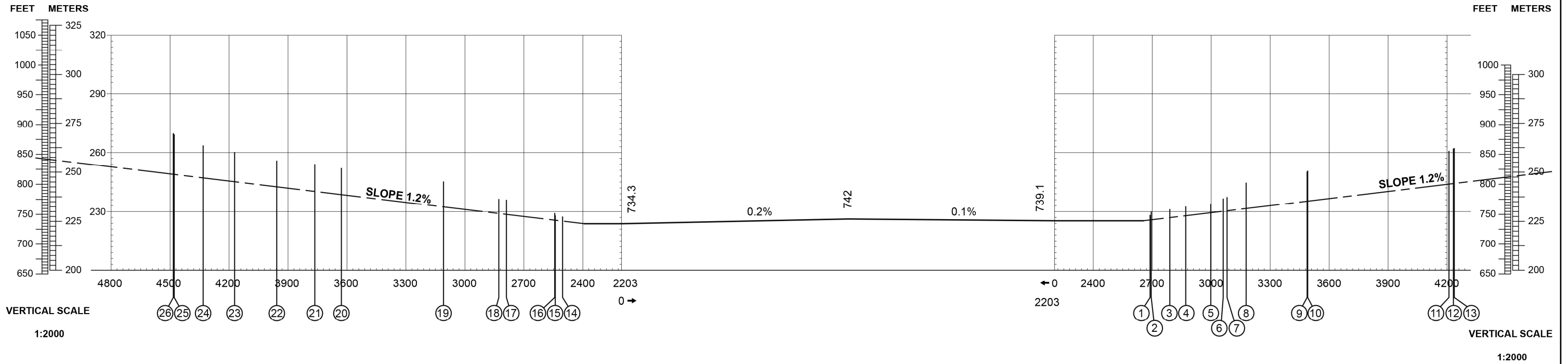
| RWY | INTERSECTION | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|-----|--------------|----------|----------|----------|---------|---------|
| 1   |              | 2        | 3        | 4        | 5       | 6       |
| 01  | TWY A        | 1640     | 2090     | 1640     | -       | -       |



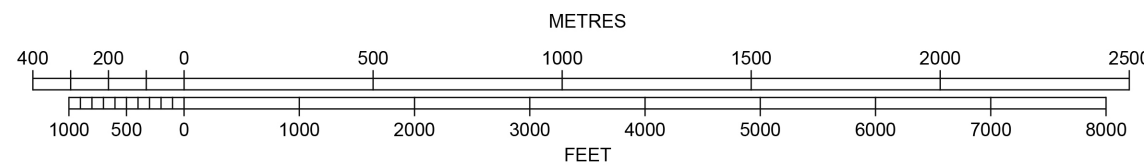
**AERODROME ELEVATION 742 FEET**  
MAGNETIC VARIATION 5° E 2020

**RUNWAY BEARINGS**  
01 = GEO 018.07°; MAG 013°  
19 = GEO 198.08°; MAG 193°

| RWY 01 | DECLARED DISTANCES          | RWY 19 |
|--------|-----------------------------|--------|
| 2203   | TAKE-OFF RUN AVAILABLE      | 2203   |
| 2653   | TAKE-OFF DISTANCE AVAILABLE | 2393   |
| 2203   | ACCELERATE DIST. AVAILABLE  | 2203   |
| 2203   | LANDING DISTANCE AVAILABLE  | 2203   |



- 27. FROM THR 19 BRG 203.3° 7929m 1025ft OBST
- 28. FROM THR 19 BRG 202.6° 7932m 1030ft OBST
- 29. FROM THR 19 BRG 203.5° 8073m 1038ft OBST
- 30. FROM THR 19 BRG 203.5° 8076m 1041ft OBST



ORDER OF ACCURACY  
HORIZONTAL 5 m  
VERTICAL 1 ft

| LEGEND                             |   |
|------------------------------------|---|
| IDENTIFICATION NUMBER              | ① |
| POLE, TOWER, SPIRE, ANTENNA, ETC.  | ○ |
| TREE OR SHRUB                      | * |
| TERRAIN PENETRATING OBSTACLE PLANE | ▲ |



**AD 2 AERODROMES****ESMQ 2.1 AERODROME LOCATION INDICATOR AND NAME****ESMQ – KALMAR****ESMQ 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- |    |  |  |
|----|--|--|
| 1. | ARP coordinates and site at AD               | 564108N 0161715E RWY 640 m from THR 34   |
| 2. | Direction and distance from (city)           | WNW 2.5 NM from Kalmar   |
| 3. | Elevation/Reference temperature              | 18 ft/+18.5°C  |
| 4. | Geoid undulation at AD ELEV PSN              | 100 ft   |
| 5. | MAG VAR/Annual change                        | 6° E 2020/+0.2 increasing  |
| 6. | Administration, address, telephone, fax, AFS | KalmarOland Airport AB<br>SE-392 41 Kalmar<br>TEL: +46 (0)10 357 48 00<br>FAX: +46 (0)10 357 48 05<br>E-mail: flyget@kalmarairport.se<br>AFS: ESMQZTZX<br>Website: www.kalmarolandairport.se |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 4E   |
| 8. | Remarks                                      | -  |

**ESMQ 2.3 OPERATIONAL HOURS**

- |     |   |   |
|-----|---|---|
| 1.  | AD Administration<br>AD Operating hours | MON-FRI 0700-1600 (0600-1500)<br>H24  |
| 2.  | Customs and immigration                 | O/R TEL +46 (0)40 661 32 20   |
| 3.  | Health and sanitation                   | -   |
| 4.  | AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc   |
| 5.  | ATS Reporting Office (ARO)              | As ATS  |
| 6.  | MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc   |
| 7.  | ATS                                     | Ref AIP SUP/NOTAM   |
| 8.  | Fuelling                                | As ATS  |
| 9.  | Handling                                | As ATS  |
| 10. | Security                                | As ATS  |
| 11. | De-Icing                                | As ATS  |
| 12. | Remarks                                 | Increased charges outside TWR HR of OPS.<br>Extended operational hours occurs frequently. |

**ESMQ 2.4 HANDLING SERVICES AND FACILITIES**

|    |  |                               |
|----|--|-------------------------------|
| 1. | Cargo-handling facilities              | Available by arrangement      |
| 2. | Fuel/oil types                         | Fuel Jet A1, UL 91<br>Oil -   |
| 3. | Fuelling facilities/discharge capacity | Jet A1: 120,000 l<br>UL 91: - |
| 4. | De-icing facilities                    | Type I and II, mobile unit    |
| 5. | Hangar space for visiting ACFT         | -                             |
| 6. | Repair facilities for visiting ACFT    | -                             |
| 7. | Remarks                                | Fuel supplier AirBP           |

**ESMQ 2.5 PASSENGER FACILITIES**

|    |                      |                                   |
|----|----------------------|-----------------------------------|
| 1. | Hotels               | In Kalmar                         |
| 2. | Restaurants          | At AD                             |
| 3. | Transportation       | Airport buses, taxis, rental cars |
| 4. | Medical facilities   | In Kalmar                         |
| 5. | Bank and Post Office | In Kalmar                         |
| 6. | Tourist Office       | In Kalmar                         |
| 7. | Remarks              | -                                 |

**ESMQ 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|    |   |  |
|----|---|--|
| 1. | AD category for fire fighting               | CAT 6. For commercial traffic exceeding 2500 kg MTOM 180 sec.<br>CAT 7 O/R |
| 2. | Rescue equipment                            | By arrangement, municipal rescue service                                   |
| 3. | Capability for removal of disabled aircraft | By arrangement, contact airport duty officer TEL +46 (0)10 357 49 93.      |
| 4. | Remarks                                     | -  |

**ESMQ 2.7 SEASONAL AVAILABILITY – CLEARING**

|    |                             |  |
|----|-----------------------------|--|
| 1. | Types of clearing equipment | Snowploughs, blowers, sweepers, slinger    |
| 2. | Clearance priorities        | RWY, TWY, Apron                            |
| 3. | Remarks                     | RWY 05/23 not cleared during winter season |

## ESMQ 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations<br>RWY<br>NR | True BRG and<br>MAG BRG | Dimensions of<br>RWY (m) | Strength (PCN) and<br>surface of RWY and<br>SWY | THR coordinates<br>RWY end coordinates<br>THR geoid undulation | THR elevation and<br>highest elevation of<br>TDZ of precision<br>APCH RWY |
|---------------------------|-------------------------|--------------------------|---|--|---|
| 1                         | 2                       | 3                        | 4   | 5  | 6   |
| 16                        | 152.17° GEO<br>146° MAG | 2050 x 45                | PCN 50 F/B/X/T<br>ASPH                          | 564148.55N<br>0161635.97E<br><br>GUND 99.9 ft                  | THR 18.0 ft<br>TDZ 18 ft  |
| 34                        | 332.19° GEO<br>326° MAG | 2050 x 45                | PCN 50 F/B/X/T<br>ASPH                          | 564049.93N<br>0161732.19E<br><br>GUND 100 ft                   | THR 16 ft   |
| 05                        | 048.10° GEO<br>042° MAG | 656 x 40                 | PCN 30 F/B/X/T<br>ASPH                          | 564050.24N<br>0161639.41E<br><br>GUND 100 ft                   | THR 10 ft   |
| 23                        | 228.10° GEO<br>222° MAG | 656 x 40                 | PCN 30 F/B/X/T<br>ASPH                          | 564104.39N<br>0161708.08E<br><br>GUND 100 ft                   | THR 10 ft   |

| Slope of<br>RWY-SWY | SWY<br>dimensions (m) | CWY<br>dimensions (m) | Strip<br>dimensions (m) | OFZ | Remarks                                   |
|---------------------|-----------------------|-----------------------|-------------------------|-----|---|
| 7                   | 8                     | 9                     | 10                      | 11  | 12  |
| 16 See ESMQ AOC     | 270 x 45              | 270 x 150             | 2380 x 300              | -   | Including 270 m start<br>extension RWY 34 |
| 34 See ESMQ AOC     | -                     | -                     | 2380 x 300              | -   | Including 270 m start<br>extension        |
| 05                  | -                     | -                     | 776 x 150               | -   | RWY non-instrument                        |
| 23                  | -                     | -                     | 776 x 150               | -   | RWY non-instrument                        |

## ESMQ 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks   |
|----------------|----------|----------|----------|---------|---|
| 1              | 2        | 3        | 4        | 5       | 6   |
| 16             | 2050     | 2320     | 2320     | 2050    | -   |
| 34             | 2320     | 2320     | 2320     | 2050    | Including start extension 270<br>m south THR 34 |
| 05             | 656      | 656      | 656      | 656     | -   |
| 23             | 656      | 656      | 656      | 656     | -   |

## DECLARED DISTANCES TAKE-OFF INTERSECTIONS

| RWY | INTERSECTION | TORA (m) | TODA (m) | ASDA (m) | Remarks |   |
|-----|--------------|----------|----------|----------|---------|---|
| 1   |              | 2        | 3        | 4        | 5       | 6 |
| 34  | TWY A8       | 2050     | 2050     | 2050     | -       | - |

## ESMQ 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator  | APCH LGT Type, LEN INTST             | THR LGT Colour WBAR | VASIS (MEHT)                    | TDZ LGT LEN | RWY Centre Line LGT LEN, Spacing Colour INTST | RWY Edge LGT LEN, Spacing Colour INTST   | RWY End LGT Colour WBAR | SWY LGT LEN, Colour |
|---|--------------------------------------|---------------------|---------------------------------|-------------|---|--|-------------------------|---------------------|
| 1   | 2                                    | 3                   | 4                               | 5           | 6   | 7  | 8                       | 9                   |
| 16  | Calvert<br>CAT I<br>900 m<br>LIL/LIH | Green<br>WBAR       | PAPI<br>Left/3.00°<br>(51.5 ft) | -           | -   | 2050/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIL/LIH                    | Red                     | -                   |
| 34  | -                                    | Green<br>WBAR       | PAPI<br>Left/3.00°<br>(52.5 ft) | -           | -   | 270/60 m<br>Red<br>2050/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIL/LIH | Red                     | -                   |
| 10 Remarks: RWY 16: LED lights on REDL, WBAR, TRID, RTHL.<br>RWY 34: LED lights on REDL, WBAR, TRID, RTHL.<br>TRID LIH. |                                      |                     |                                 |             |   |  |                         |                     |

## ESMQ 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

- ABN/IBN location, characteristics and hours of operation -
- LDI location and LGT Anemometer location and LGT Windsock 400 m NE RWY intersection  
At GP RWY 16 and E THR 34
- TWY edge and centre line lighting Edge: TWY A southern part, A8, A10  
CL: -  
LED lights on TWY lights.
- Secondary power supply/switch-over time Available/Without interruption
- Remarks -

## ESMQ 2.16 HELICOPTER LANDING AREA

As directed by ATC

## ESMQ 2.17 ATS AIRSPACE

|    |                                   |                                      |   |
|----|-----------------------------------|--------------------------------------|---|
| 1. | Designation and lateral limits    | KALMAR CTR                           | 565221N 0161228E - 564248N 0162617E -<br>563458N 0162934E - 563222N 0162028E -<br>563819N 0160849E - 564939N 0160251E -<br>565221N 0161228E |
| 2. | Vertical limits                   | KALMAR CTR                           | 1500 ft AMSL<br>GND   |
| 3. | Airspace classification           | C                                    |   |
| 4. | ATS unit call sign<br>Language(s) | KALMAR TOWER<br>Swedish/English      |   |
| 5. | Transition altitude               | 5000 ft AMSL                         |   |
| 6. | Remarks                           | CTR established during hours of TWR. |   |

## ESMQ 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign    | Channel/Frequency | Hours of operation | Remarks                 |
|---------------------|--------------|-------------------|--------------------|-------------------------|
| 1                   | 2            | 3                 | 4                  | 5                       |
| TWR/APP             | KALMAR TOWER | 130.805           | HO                 | Primary channel<br>VDF. |
|                     |              | 121.500           | HO                 | VDF                     |
|                     |              | 127.055           | HX                 | VDF                     |

## ESMQ 2.19 RADIO NAVIGATION AND LANDING AIDS

| Type of aid<br>CAT of ILS/MLS<br>(for VOR/ILS/MLS<br>give VAR) | ID  | Frequency  | Hours of<br>operation | Site of<br>transmitting<br>antenna<br>coordinates | Elevation of DME<br>transmitting<br>antenna | Remarks  |
|--|-----|------------|-----------------------|---|---|--|
| 1  | 2   | 3          | 4                     | 5   | 6   | 7  |
| LOC 16<br>ILS CAT I<br>(6° E 2020)                             | MQ  | 108.70 MHz | H24                   | 564034.0N<br>0161747.4E                           |   | 556 m beyond THR 34<br>ILS Class I/E/2                                   |
| GP   |     | 330.50 MHz | H24                   | 564141.2N<br>0161651.0E                           |   | Angle 3.0° RDH 50.2 ft<br>320 m past THR 16 left side                    |
| VOR/DME<br>(6° E 2020)   | KAL | 111.60 MHz | H24                   | 564107.2N<br>0161702.8E                           | 26 ft                                       | 200 m W ARP<br>DME channel 53X   |
| DME  | MQ  | 108.70 MHz | H24                   | 564141.3N<br>0161651.2E                           | 13 ft                                       | Poor DME coverage below<br>4000 ft AMSL beyond 17 NM.<br>DME channel 24X |

## ESMQ 2.20 LOKALA TRAFIKFÖRESKRIFTER

- Minsta möjliga motoreffekt ska användas vid taxning på plattan.
- Fordonstrafik utan dubbelriktad flygradioförbindelse kan förekomma utanför ATS öppethållning.

Vid flygning i CTR utanför ATS öppethållning ska blindsändning göras på 130.805.

Taxning med luftfartyg utanför ATS öppethållning får endast ske då sikten överstiger 500 m.

## LOCAL TRAFFIC REGULATIONS

- Engines shall be operated at minimum power required when taxiing on apron.
- Vehicle movements without two way radio communication may occur outside ATS hours of operations.

When flying in CTR outside ATS hours of operations blind transmission should be made on 130.805.

Taxiing of aircraft outside ATS hours of operations is only allowed in visibility above 500 m.

**ESMQ 2.21 MINSKNING AV BULLERSTÖRNING**

1. På sid ESMQ 4-5 till ESMQ 4-12 och ESMQ 6-1 angivna flygvägar för ankommande och avgående IFR-respektive VFR-trafik har upprättats även för att minska bullerstörningar. Luftfartyg skall noggrant följa i klareringen angiven flygväg samt i övrigt framföras så, att onödiga bullerstörningar inte förorsakas.

**ESMQ 2.22 FLYGPROCEDURER**

1. Ankommande IFR-trafik inom Kalmar TMA/CTR

Flygvägar

Flygvägar för ankommande trafik är upprättade enligt ESMQ 4-9 till ESMQ 4-12.

Väntlägen (Ref ENR 1.3 mom 9)

Väntlägen är upprättade enligt ESMQ 4-1.

2. Instrumentinflygningsprocedurerna får endast användas under ATS öppethållning.

3. Avgående IFR-trafik inom Kalmar TMA/CTR

Flygvägar

Flygvägar för avgående trafik är upprättade enligt ESMQ 4-5 till ESMQ 4-8.

4. Startprocedurer, omnidirectional

**NOISE ABATEMENT PROCEDURES**

1. The routes for inbound and outbound IFR and VFR traffic laid out on pages ESMQ 4-5 through ESMQ 4-12 and ESMQ 6-1 respectively, have been established also for noise abatement purposes. Aircraft shall strictly adhere to assigned route and be operated in such a manner that unnecessary noise disturbances are not caused.

**FLIGHT PROCEDURES**

1. Inbound IFR traffic within Kalmar TMA/CTR

Routes

Arrival routes are established in accordance with ESMQ 4-9 through ESMQ 4-12.

Holdings (Ref ENR para 1.3 mom 9)

Holdings are established in accordance with ESMQ 4-1.

2. Instrument approach procedures may only be used during ATS hours of operation.

3. Outbound IFR traffic within Kalmar TMA/CTR

Routes

Departure routes are established in accordance with ESMQ 4-5 through ESMQ 4-8.

4. Omnidirectional departure procedures

| RWY | Procedure   | Significant obstacle |                |                                   |
|-----|---|----------------------|----------------|-----------------------------------|
|     |   | Obstacle             | Elevation (ft) | Direction (GEO)/Dist (m) from THR |
| 16  | Climb straight ahead to MNM turning ALT 500 ft AMSL. Continue climb to appropriate MSA. | Tree (CIO)           | 60             | 148°/2504                         |
|     |   | Stack (Chimneys)     | 224            | 144°/5310                         |
| 34  | Climb straight ahead to MNM turning ALT 500 ft AMSL. Continue climb to appropriate MSA. | Tree (CIO)           | 142            | 337°/3234                         |

5. Lägsta RVR för avgående trafik är 400 m.

6. Lågsiktsprocedurer (LVP) etablerade.

LVP träder i kraft när bansynvidden (RVR) är lägre än 550 m eller när molntäckeshöjden eller vertikalsikten är lägre än 200 ft.

Meddelande om att LVP är i kraft lämnas av ATS.

När LVP tillämpas tillåts endast ett luftfartyg eller fordon på manöverområdet.

När LVP tillämpas ska luftfartyg meddela lämnade av manöverområdet genom att anmäla framme på avsedd parkeringsplats.

7. VFR-flygning inom Kalmar TMA/CTR

Normala in- och utpasseringspunkter  
Se ESMQ 6-1

Väntlägen  
Se ESMQ 6-1

5. Minimum RVR for departing traffic is 400 m.

6. Low visibility procedures (LVP) established.

LVP will be in force when RVR is below 550 m or ceiling or vertical visibility is below 200 ft.

The application of LVP will be announced by ATS.

When LVP is applied only one aircraft or vehicles are allowed on the manoeuvring area.

When LVP is applied aircraft shall report RWY vacated at stand.

7. VFR flight within Kalmar TMA/CTR

Normal entry and exit points  
See ESMQ 6-1

Holdings  
See ESMQ 6-1



Avbrott i radioförbindelse  
Se ESMQ 6-1

Communication failure  
See ESMQ 6-1

**ESMQ 2.23 ÖVRIG INFORMATION**

Reducerad banseparation tillämpas på flygplatsen enligt AIP AD 1.1 mom 10.

**ADDITIONAL INFORMATION**

Reduced runway separation is applied at the aerodrome in accordance with AIP AD 1.1 para 10.

**ESMQ 2.24 TILLHÖRANDE KARTOR**

|  |                   |
|--|-------------------|
| AD chart                                 |                   |
| AOC                                      | RWY 16/34         |
| Area chart                               | (TMA)             |
| List of waypoints and significant points |                   |
| SID                                      | RWY 16            |
| SID                                      | RWY 34            |
| STAR                                     | RWY 16            |
| STAR                                     | RWY 34            |
| ATC Surveillance Minimum ALT chart       |                   |
| IAC                                      | ILS or LOC RWY 16 |
| IAC                                      | VOR RWY 34        |
| IAC                                      | RNP RWY 16        |
| IAC                                      | RNP RWY 34        |
| VAC                                      |                   |

**RELATED CHARTS**

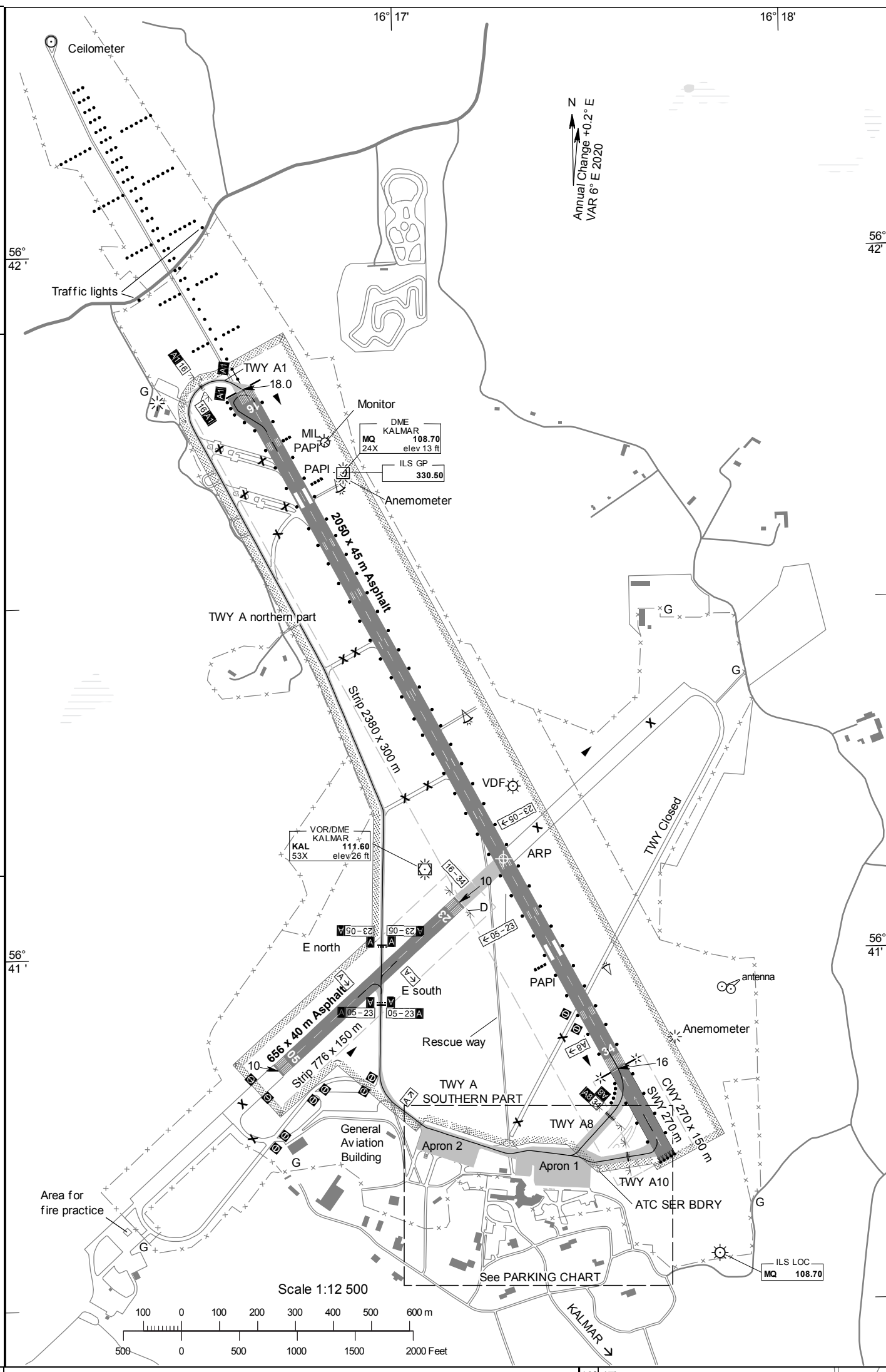
|           |
|-----------|
| ESMQ 2-1  |
| ESMQ-3-1  |
| ESMQ 4-1  |
| ESMQ 4-3  |
| ESMQ 4-5  |
| ESMQ 4-7  |
| ESMQ 4-9  |
| ESMQ 4-11 |
| ESMQ 4-91 |
| ESMQ 5-1  |
| ESMQ 5-2  |
| ESMQ 5-3  |
| ESMQ 5-7  |
| ESMQ 6-1  |



LFV

CHANGE: Editorial (WBAR)

AIRAC AMDT 3/2024 16 MAY 2024



ARP 564108N 0161715E  
 AD ELEV 18 FEET  
 LEGEND See GEN 2.3  
 Dimensions in m, ELEV in ft

AIP SWEDEN

| TWY NR       | WIDTH | Surface Bearing Strength | Day marking        |                 | Taxiway lighting |         |
|--------------|-------|--------------------------|--------------------|-----------------|------------------|---------|
|              |       |                          | Centerline Holding | Edge Centerline | RGL              | Stopbar |
| A NORTH PART | 10 m  | CONC PCN 20 R/B/X/U      | CL HLDG            |                 |                  |         |
| A SOUTH PART | 10 m  | ASPH PCN 20 F/B/X/T      | CL HLDG            | EDGE            |                  |         |
| A1           | 10 m  | CONC PCN 20 R/B/X/U      | CL HLDG            |                 |                  | RGL     |
| A10          | 23 m  | ASPH PCN 50 F/B/X/T      | CL HLDG            | EDGE            |                  | RGL     |
| A8           | 28 m  | ASPH PCN 50 F/B/X/T      | CL HLDG            | EDGE            |                  | RGL     |

REMARK: Two HLDGs on TWY A have specified designations: E north and E south. Another HLDG with specified designation is D placed on THR 23.

| INS Coordinates for Aircraft Stands |    |                        |      |
|-------------------------------------|----|------------------------|------|
| APRON Surface Bearing Strength      | NR | COORD                  | ELEV |
| 1 ASPH PCN 50 F/B/X/T               | 1  | 564040.23N 0161726.07E | 14   |
|                                     | 2  | 564040.33N 0161721.94E | 13   |
|                                     | 3  | 564040.84N 0161719.69E | 12   |
|                                     | 3A | 564040.94N 0161721.60E | 12   |
| 2 CONC PCN 9 R/B/X/U                | 4  | 564041.25N 0161717.54E | 11   |

INS Coordinates for Aircraft Stands

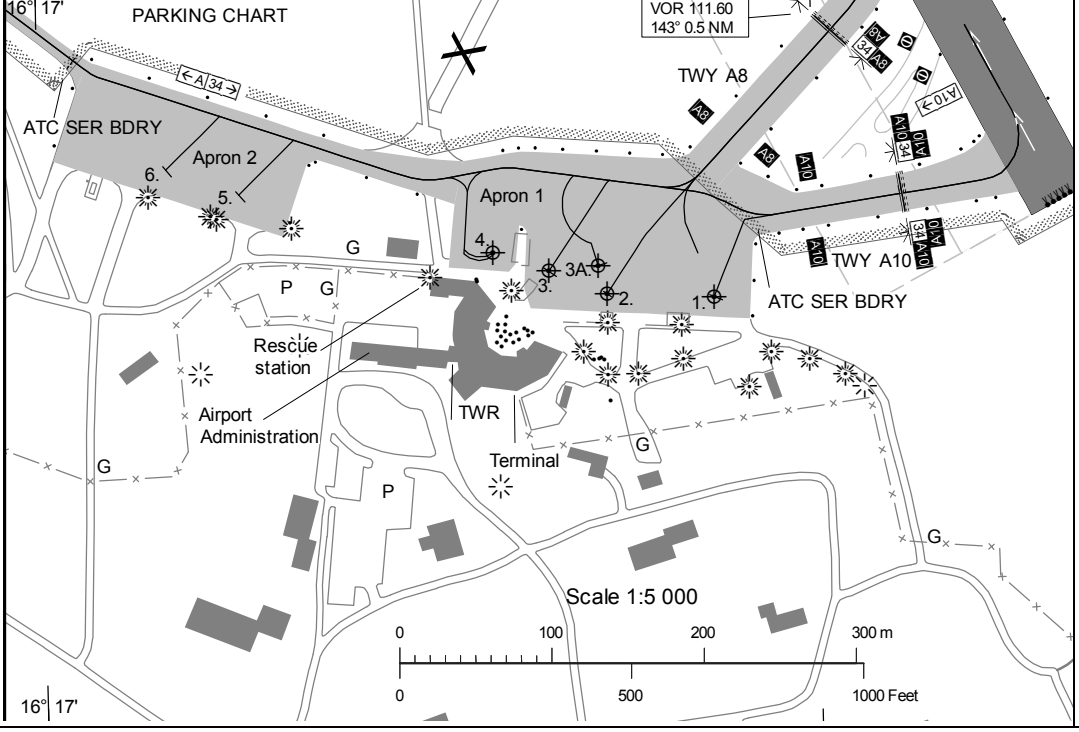
| RWY NR | Approach and runway lighting |                         |                           |  |     |
|--------|------------------------------|-------------------------|---------------------------|--|-----|
|        | APCH                         | THR TRID TDZ            | VASIS (MEHT)              | Edge   | End |
| 16     | Calvert Cat I 900 m LIL/LIH  | THR Green WBAR          | PAPI Left/3.00° (51.5 ft) | 2050/60 m White Caution zone 600 m yellow LIL/LIH              | Red |
| 34     |                              | THR Green WBAR TRID LIH | PAPI Left/3.00° (52.5 ft) | 270/60 m Red 2050/60 m White Caution zone 600 m yellow LIL/LIH | Red |
| 05     |                              |                         |                           |  |     |
| 23     |                              |                         |                           |  |     |

TWR 130 805

| RWY NR | TRUE & MAG BRG       | THR PSN Geoid undulation            | Bearing strength | THR ELEV and highest ELEV of TDZ of precision APCH RWY | Declared distances |      |      |      |
|--------|----------------------|-------------------------------------|------------------|--|--------------------|------|------|------|
|        |                      |                                     |                  |  | TORA               | TODA | ASDA | LDA  |
| 16     | 152.17° GEO 146° MAG | 564148.55N 0161635.97E GUND 99.9 ft | PCN 50 F/B/X/T   | THR 18.0 ft TDZ 18 ft                                  | 2050               | 2320 | 2320 | 2050 |
| 34     | 332.19° GEO 326° MAG | 564049.93N 0161732.19E GUND 100 ft  | PCN 50 F/B/X/T   | THR 16 ft  | 2320               | 2320 | 2320 | 2050 |
| 05     | 048.10° GEO 042° MAG | 564050.24N 0161639.41E GUND 100 ft  | PCN 30 F/B/X/T   | THR 10 ft  | 656                | 656  | 656  | 656  |
| 23     | 228.10° GEO 222° MAG | 564104.39N 0161708.08E GUND 100 ft  | PCN 30 F/B/X/T   | THR 10 ft  | 656                | 656  | 656  | 656  |

REMARK: RWY extension 270 m south THR 34

MILITARY LIGHTING: MIL PAPI RWY 16

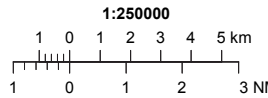


AERODROME CHART - ICAO

AD 2 ESMQ 2-1 KALMAR



**VISUAL APPROACH CHART - ICAO**



**AD ELEV 1509 FEET**

ELEV and ALT in ft  
 HGT in ft above AD ELEV

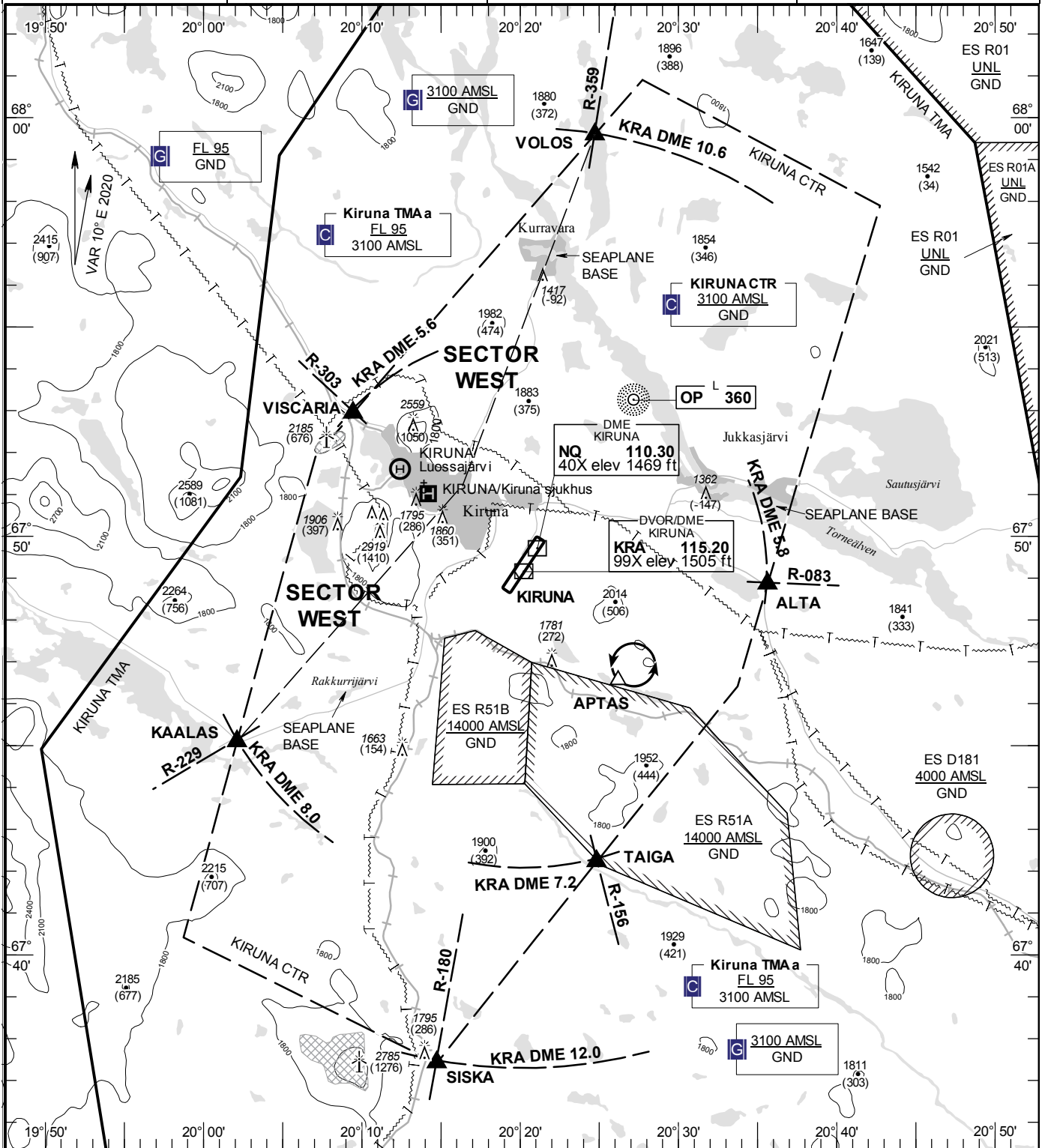
**TA 6000 AMSL**

**KIRUNA TOWER**

**130.155**

**AD 2 ESNQ 6-1**

**KIRUNA SWEDEN**



**Communication failure**

- 1 Enter CTR via ALTA – Holding APTAS at or below 2500 ft AMSL to traffic circuit. Transmit blind your intentions.
- 2 Flash LDG-lights and watch for optical signals from remote tower (position marked R-TWR on AD chart.)

| RWY NR | THR ELEV  | PAPI (MEHT)        |
|--------|-----------|--------------------|
| 03     | 1509 ft   | Left/3.00° (55 ft) |
| 21     | 1432.3 ft | Left/3.00° (60 ft) |

**Entry / exit point**

|          |                  |
|----------|------------------|
| VOLOS    | 675935N 0202443E |
| ALTA     | 674851N 0203537E |
| TAIGA    | 674213N 0202450E |
| SISKA    | 673725N 0201444E |
| KAALAS   | 674505N 0200207E |
| VISCARIA | 675256N 0200926E |

**Remark**

NIL

**Legend**

See GEN 2.3

**Holding**

APTAS: Hold north of railway, north east of point 674632N 0202612E

LFV

CHANGE: OBST

AIRAC AMDT 3/2024 **16 MAY 2024**

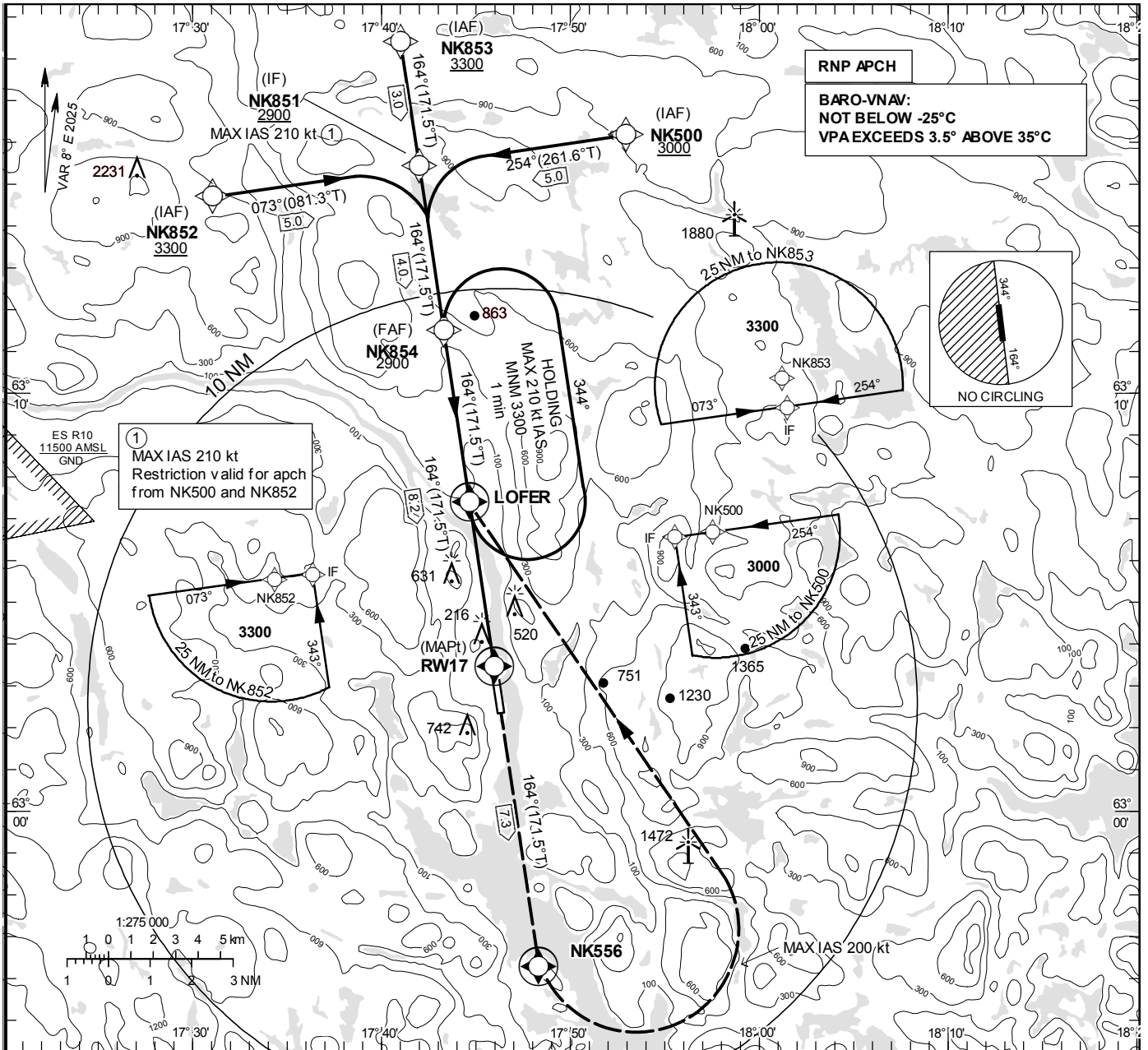


**INSTRUMENT APPROACH CHART – ICAO**

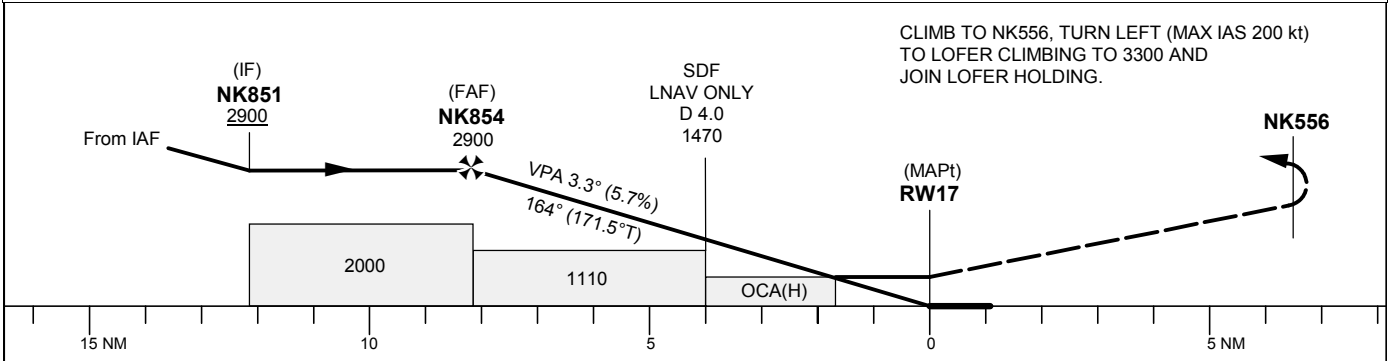
**THR ELEV 35 ft, AD ELEV 36 ft**  
 OCH are related to THR.  
 BRG are MAG (True).  
 ALT, HGT and ELEV in ft.

**KRAMFORS INFORMATION**  
 122.155

**RNP RWY 17**  
 EGNOS Ch 60022 E 17A



TA 5000 ft AMSL RDH 50 ft



| Cat of ACFT    | OCA (H)  |            |            |            | Final approach<br>Dist to RW17 | Distance FAF-MAPT 8.2 NM |      |      |      |      |      |      |
|----------------|----------|------------|------------|------------|--------------------------------|--------------------------|------|------|------|------|------|------|
|                | A        | B          | C          | D          |                                | 8                        | 7    | 6    | 5    | 4    | 3    |      |
| LPV            | 349(314) | 362(327)   | 370(335)   | 380(345)   | ALT                            | 2850                     | 2500 | 2160 | 1810 | 1470 | 1120 |      |
| LNAV/VNAV      | 701(666) | 707(672)   | 712(677)   | 717(682)   | GS                             | kt                       | 80   | 100  | 120  | 140  | 160  | 180  |
| LNAV           | 780(750) |            |            |            | Rate of descent                | ft/min                   | 460  | 575  | 690  | 805  | 920  | 1035 |
| Circling E RWY | 820(790) | 1050(1020) | 1630(1600) | 1760(1730) |                                |                          |      |      |      |      |      |      |

## RNP RWY 17 via NK852

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | NK852               | -        | -             | -         | -        | +3300    | -     | -       | -          | RNP APCH                 |
| TF        | NK851               | -        | 073°(081.3°)  | 5.0       | -        | +2900    | -210  | -       | -          | RNP APCH                 |

## RNP RWY 17 via NK853

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | NK853               | -        | -             | -         | -        | +3300    | -     | -       | -          | RNP APCH                 |
| TF        | NK851               | -        | 164°(171.5°)  | 3.0       | -        | +2900    | -     | -       | -          | RNP APCH                 |

## RNP RWY 17 via NK500

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | NK500               | -        | -             | -         | -        | +3000    | -     | -       | -          | RNP APCH                 |
| TF        | NK851               | -        | 254°(261.6°)  | 5.0       | -        | +2900    | -210  | -       | -          | RNP APCH                 |

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH  | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|----------|------------|--------------------------|
| IF        | NK851               | -        | -             | -         | -        | +2900    | -     | -        | -          | RNP APCH                 |
| TF        | NK854               | -        | 164°(171.5°)  | 4.0       | -        | @2900    | -     | -        | -          | RNP APCH                 |
| TF        | RW17                | Y        | 164°(171.5°)  | 8.2       | -        | @85      | -     | -3.25/50 | -          | RNP APCH                 |
| TF        | NK556               | Y        | 164°(171.5°)  | 7.3       | -        | -        | -     | -        | -          | RNP APCH                 |
| DF        | LOFER               | Y        | -             | -         | L        | +3300    | -200  | -        | -          | RNP APCH                 |

## ESNK Holding LOFER

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| HM        | LOFER               | Y        | 164°(171.5°)  | -         | L        | +3300    | -210  | -       | -          | RNP 1                    |



**INSTRUMENT  
APPROACH  
CHART – ICAO**

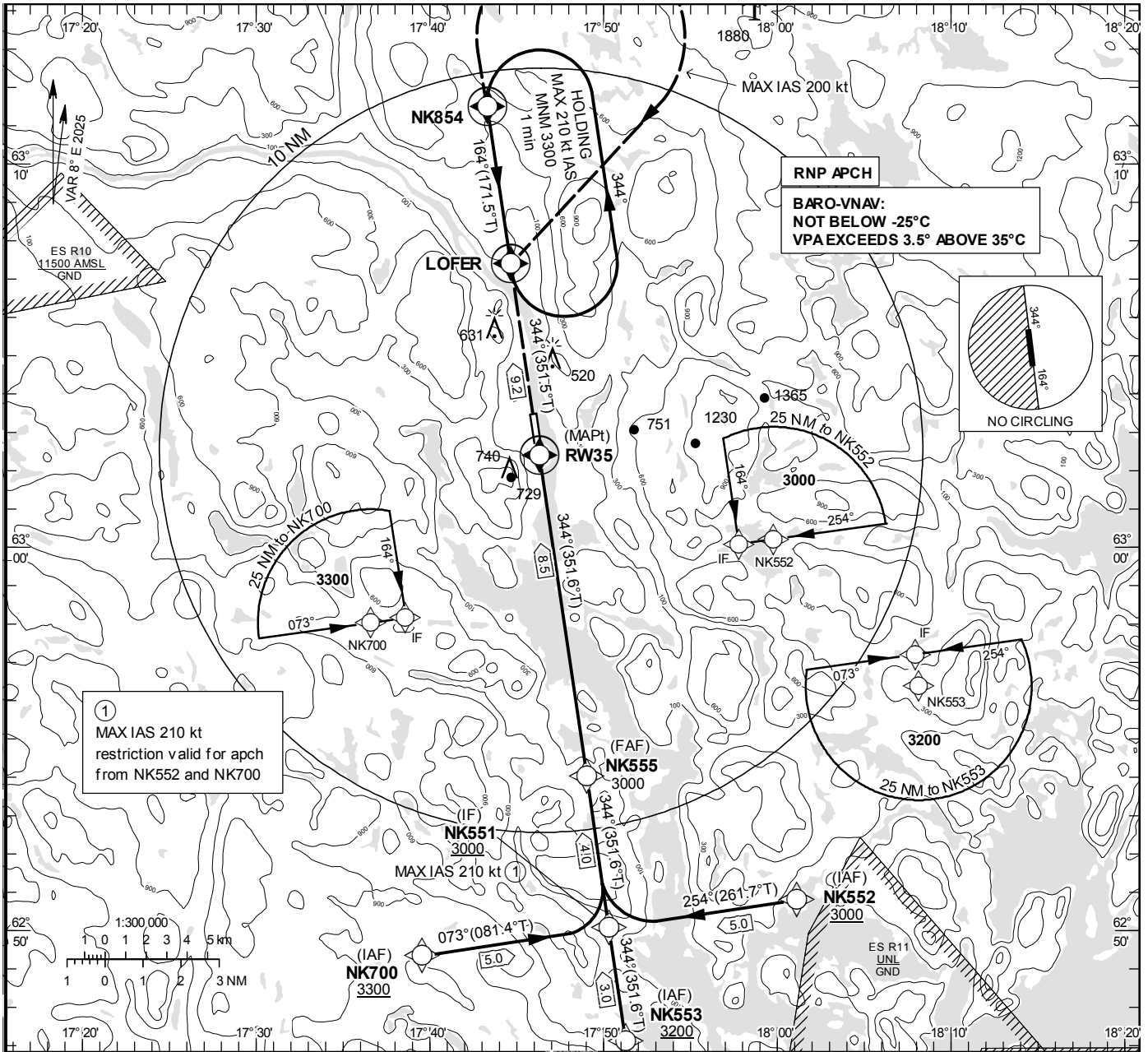
**THR ELEV 23.5 ft, AD ELEV 36 ft**  
OCH are related to THR.  
BRG are MAG (True).  
ALT, HGT and ELEV in ft.

KRAMFORS  
INFORMATION

122.155

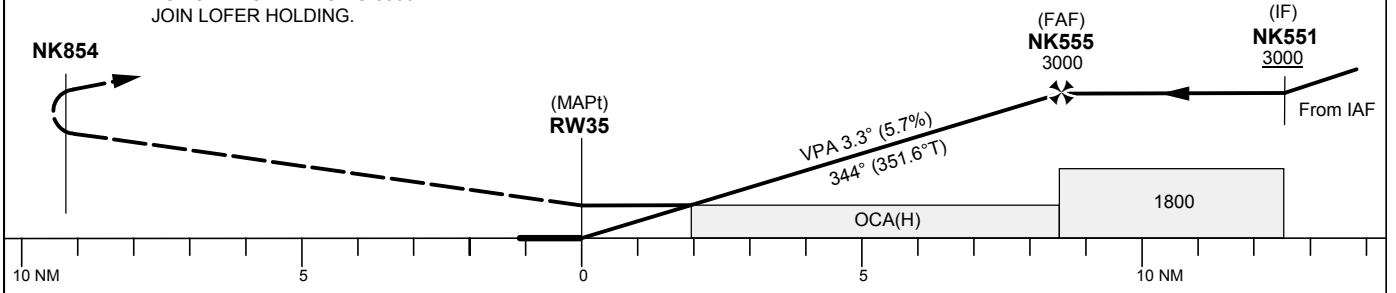
**RNP RWY 35**

EGNOS Ch 86162 E 35A



TA 5000 ft AMSL RDH 50 ft

CLIMB TO NK854, TURN RIGHT (MAX IAS 200 kt)  
TO LOFER CLIMBING TO 3300 AND  
JOIN LOFER HOLDING.



| Cat of ACFT    | OCA (H)  |            |            |            | Final approach  |        | Distance FAF-MAPT 8.5 NM |      |      |      |      |      |
|----------------|----------|------------|------------|------------|-----------------|--------|--------------------------|------|------|------|------|------|
|                | A        | B          | C          | D          | Dist to RW35    | 3      | 4                        | 5    | 6    | 7    | 8    |      |
| LPV            | 315(292) | 328(305)   | 336(313)   | 346(323)   | ALT             | 1110   | 1450                     | 1800 | 2140 | 2490 | 2830 |      |
| LNAV/VNAV      | 769(746) | 771(748)   | 773(750)   | 775(752)   | GS              | kt     | 80                       | 100  | 120  | 140  | 160  | 180  |
| LNAV           | 800(780) |            |            |            | Rate of descent | ft/min | 460                      | 575  | 690  | 805  | 920  | 1035 |
| Circling E RWY | 820(790) | 1050(1020) | 1630(1600) | 1760(1730) |                 |        |                          |      |      |      |      |      |

## RNP RWY 35 via NK552

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | NK552               | -        | -             | -         | -        | +3000    | -     | -       | -          | RNP APCH                 |
| TF        | NK551               | -        | 254°(261.7°)  | 5.0       | -        | +3000    | -210  | -       | -          | RNP APCH                 |

## RNP RWY 35 via NK553

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | NK553               | -        | -             | -         | -        | +3200    | -     | -       | -          | RNP APCH                 |
| TF        | NK551               | -        | 344°(351.6°)  | 3.0       | -        | +3000    | -     | -       | -          | RNP APCH                 |

## RNP RWY 35 via NK700

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | NK700               | -        | -             | -         | -        | +3300    | -     | -       | -          | RNP APCH                 |
| TF        | NK551               | -        | 073°(081.4°)  | 5.0       | -        | +3000    | -210  | -       | -          | RNP APCH                 |

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH  | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|----------|------------|--------------------------|
| IF        | NK551               | -        | -             | -         | -        | +3000    | -     | -        | -          | RNP APCH                 |
| TF        | NK555               | -        | 344°(351.6°)  | 4.0       | -        | @3000    | -     | -        | -          | RNP APCH                 |
| TF        | RW35                | Y        | 344°(351.6°)  | 8.5       | -        | @74      | -     | -3.25/50 | -          | RNP APCH                 |
| TF        | NK854               | Y        | 344°(351.5°)  | 9.2       | -        | -        | -     | -        | -          | RNP APCH                 |
| DF        | LOFER               | Y        | -             | -         | R        | +3300    | -200  | -        | -          | RNP APCH                 |

## ESNK Holding LOFER

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| HM        | LOFER               | Y        | 164°(171.5°)  | -         | L        | +3300    | -210  | -       | -          | RNP 1                    |

**VISUAL APPROACH CHART - ICAO**

1:250000

1 0 1 2 3 4 5 km

1 0 1 2 3 NM

**AD ELEV 36 FEET**

ELEV and ALT in ft  
HGT in ft above AD ELEV

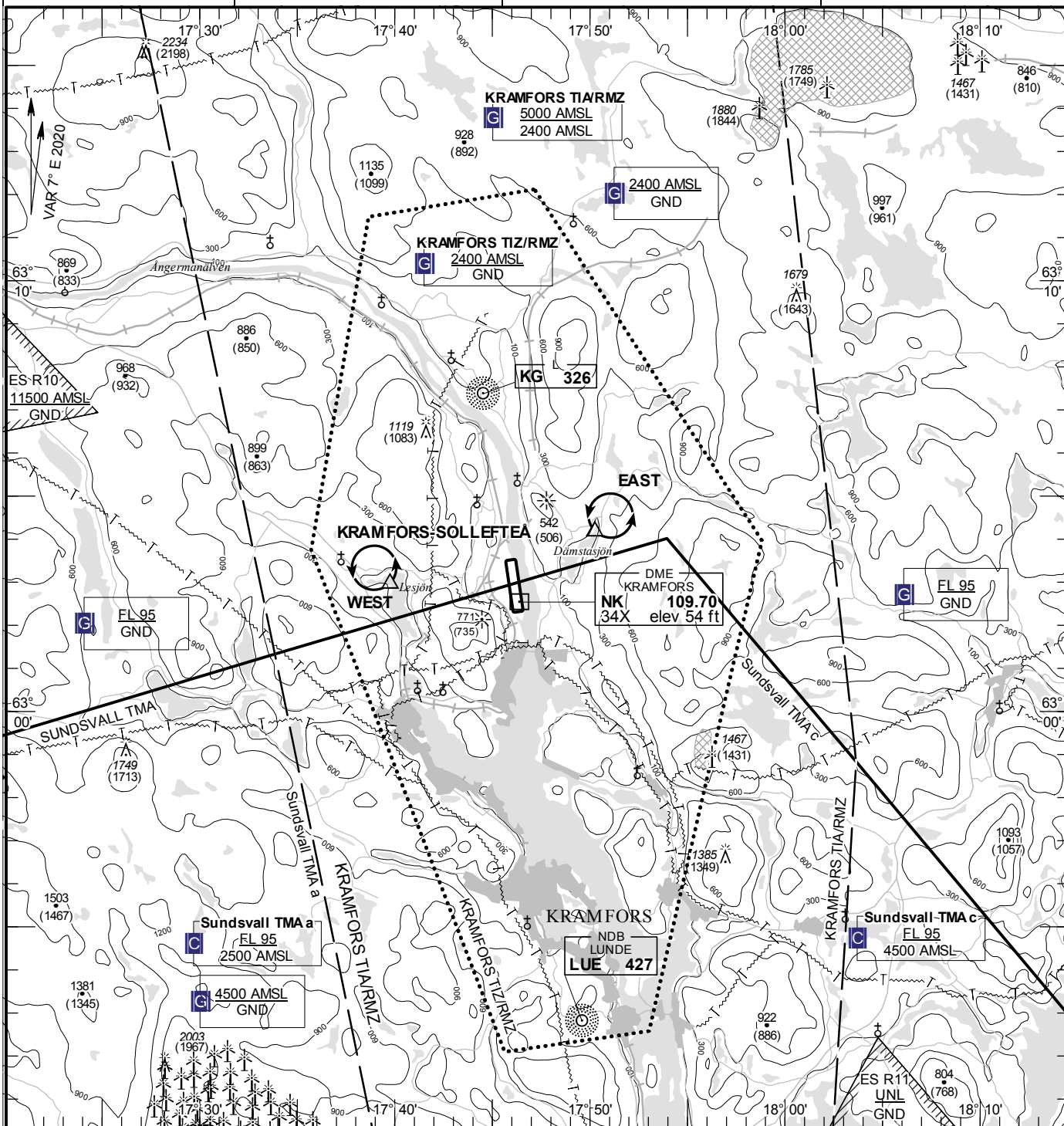
**TA 5000 AMSL**

**KRAMFORS INFORMATION**

**122.155**

**AD 2 ESNK 6-1**

**KRAMFORS-SOLLEFTEA SWEDEN**



**Communication failure**

NIL

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 17     | 35 ft    | Left/3.25° (49 ft) |
| 35     | 23.5 ft  | Left/3.25° (57 ft) |

**Entry / exit point**

NIL

**Remark**

NIL

**Holding**

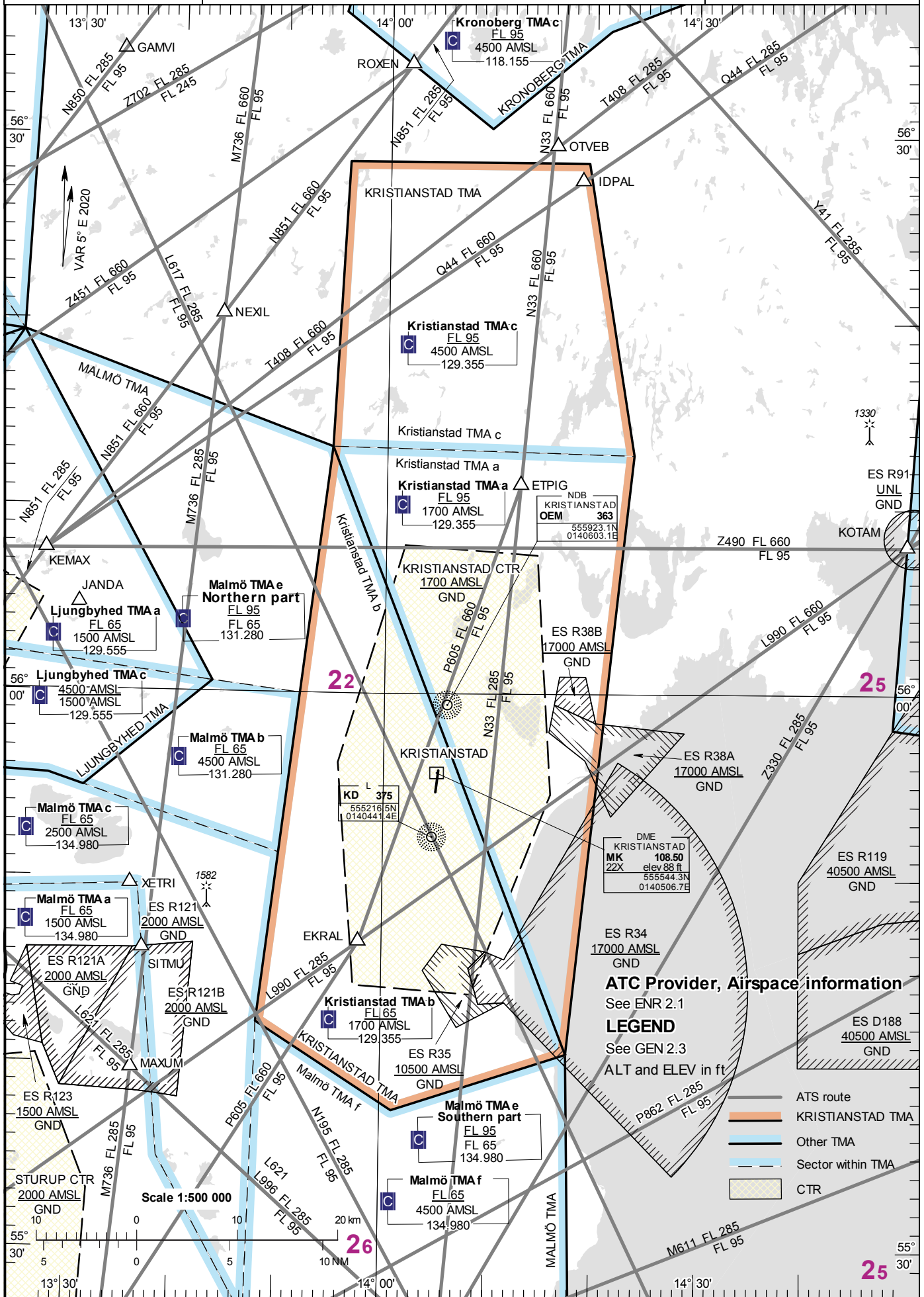
**EAST:** Hold north east of Dämstasjön of point 630409N 0175016E

**WEST:** Hold north west of Lesjön of point 630257N 0173945E

**Legend**

See GEN 2.3





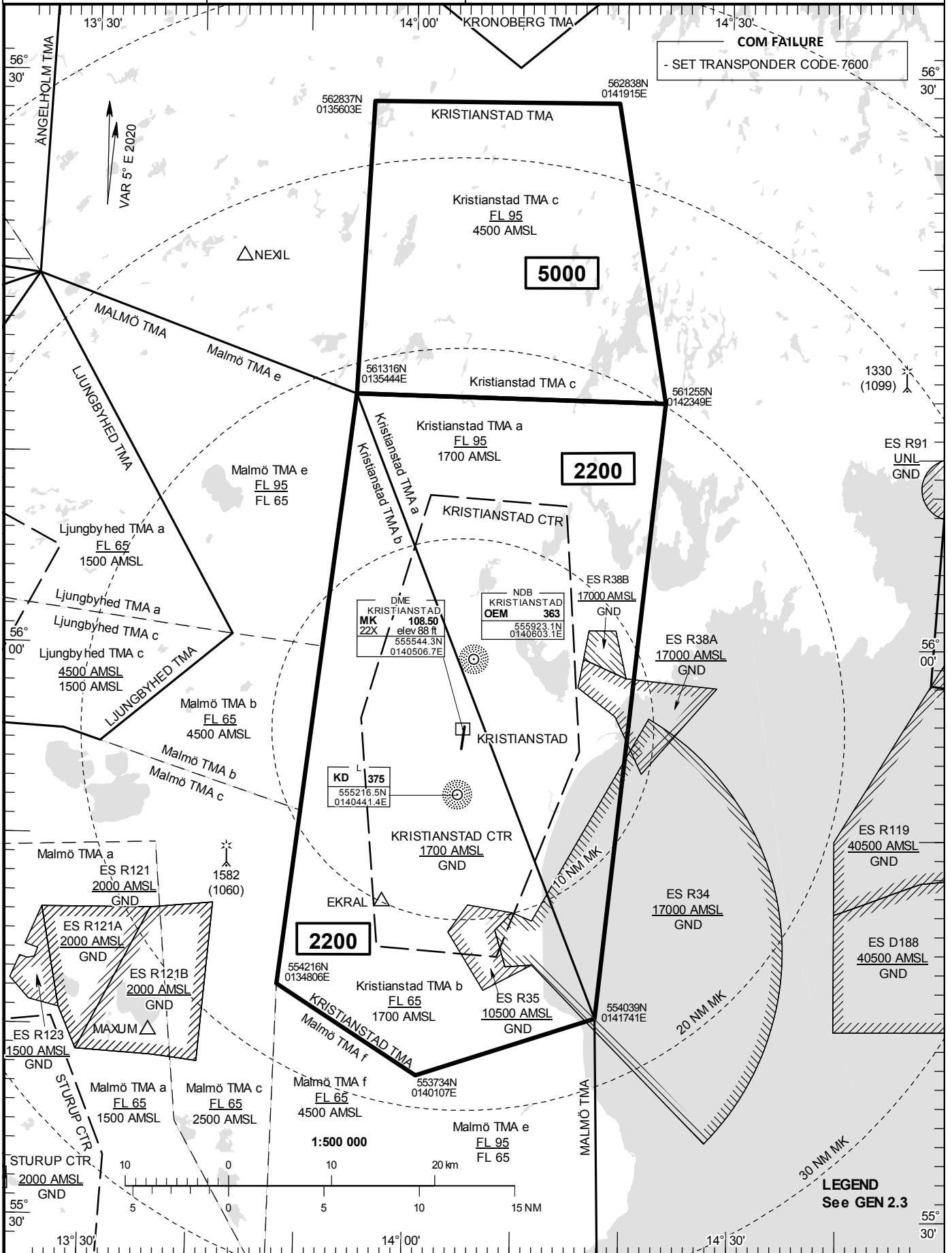




AD ELEV 77 FEET  
HGT and ALT in ft  
TA 5000 AMSL

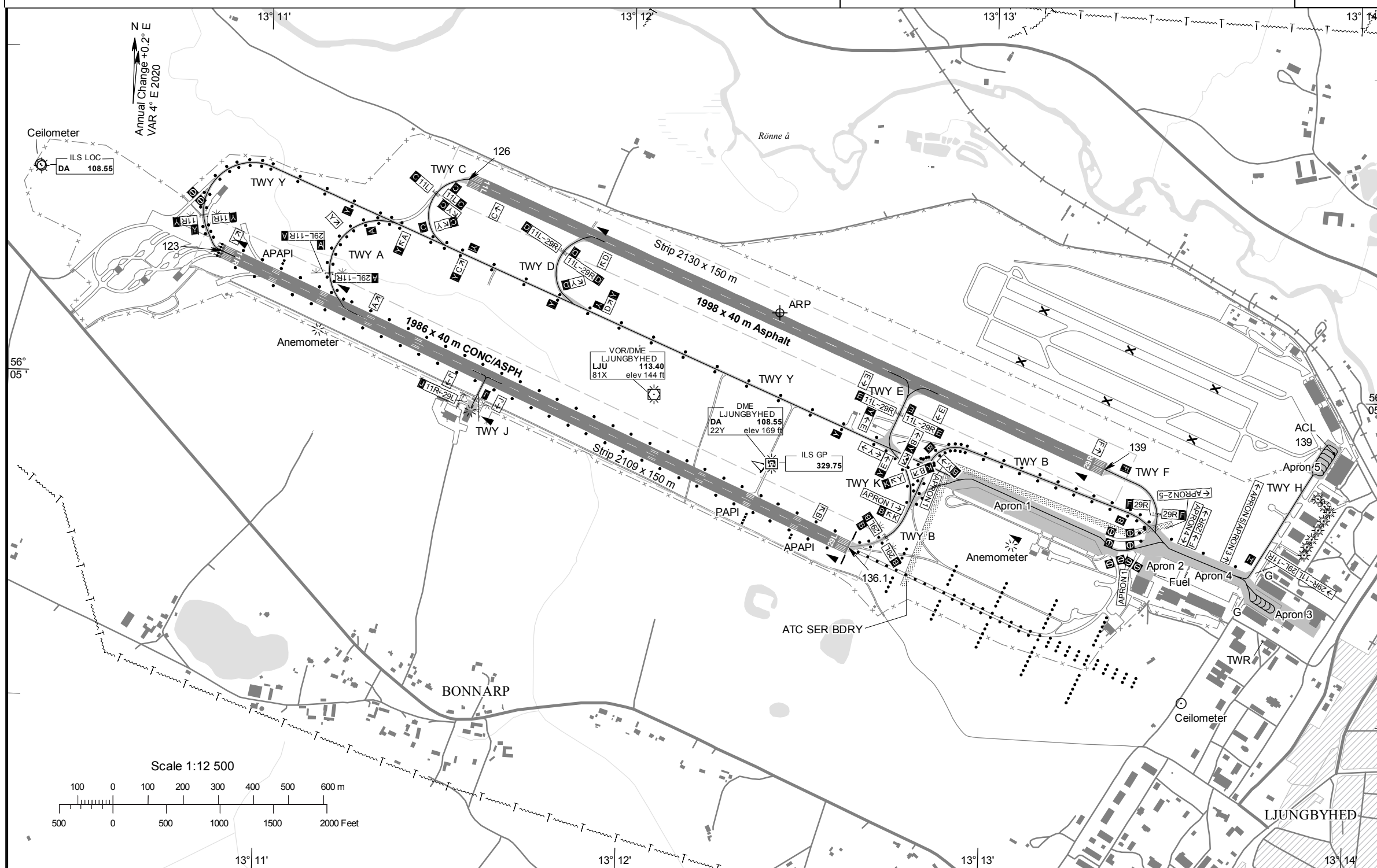
KRISTIANSTAD TOWER 129.355

THIS CHART MAY ONLY BE USED FOR CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST IN RECEIPT OF RADAR SERVICE LEVELS ASSIGNED BY ATC INCLUDE A CORRECTION FOR LOW TEMPERATURE EFFECT









ARP 560507N 0131225E

AD ELEV 139 FEET

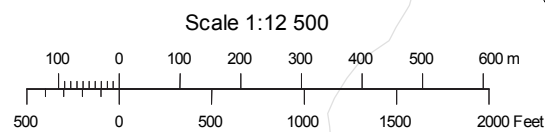
LEGEND See GEN 2.3

Dimensions in m, ELEV in ft

| TWY NR | WIDTH | Surface<br>Bearing strength | Day marking           |                    | Taxiway lighting |  |
|--------|-------|-----------------------------|-----------------------|--------------------|------------------|--|
|        |       |                             | Centerline<br>Holding | Edge<br>Centerline | RGL<br>Stopbar   |  |
| A      | 8 m   | CONC<br>PCN                 | CL<br>HLDG            | EDGE               | RGL              |  |
| B      | 10 m  | CONC+ASPH<br>PCN            | CL<br>HLDG            | EDGE               | RGL              |  |
| C      | 8 m   | CONC<br>PCN                 | CL<br>HLDG            |                    |                  |  |
| D      | 10 m  | CONC<br>PCN                 | CL<br>HLDG            |                    |                  |  |
| E      | 10 m  | CONC<br>PCN                 | CL<br>HLDG            |                    |                  |  |
| F      | 10 m  | CONC<br>PCN                 | CL<br>HLDG            |                    |                  |  |
| H      | 8 m   | ASPH<br>PCN                 | CL                    |                    |                  |  |
| J      | 4.8 m | ASPH<br>PCN                 | CL<br>HLDG            |                    | RGL              |  |
| K      | 8 m   | CONC<br>PCN                 | CL                    | EDGE               |                  |  |
| Y      | 8 m   | CONC+ASPH<br>PCN            | CL<br>HLDG            | EDGE               | RGL              |  |

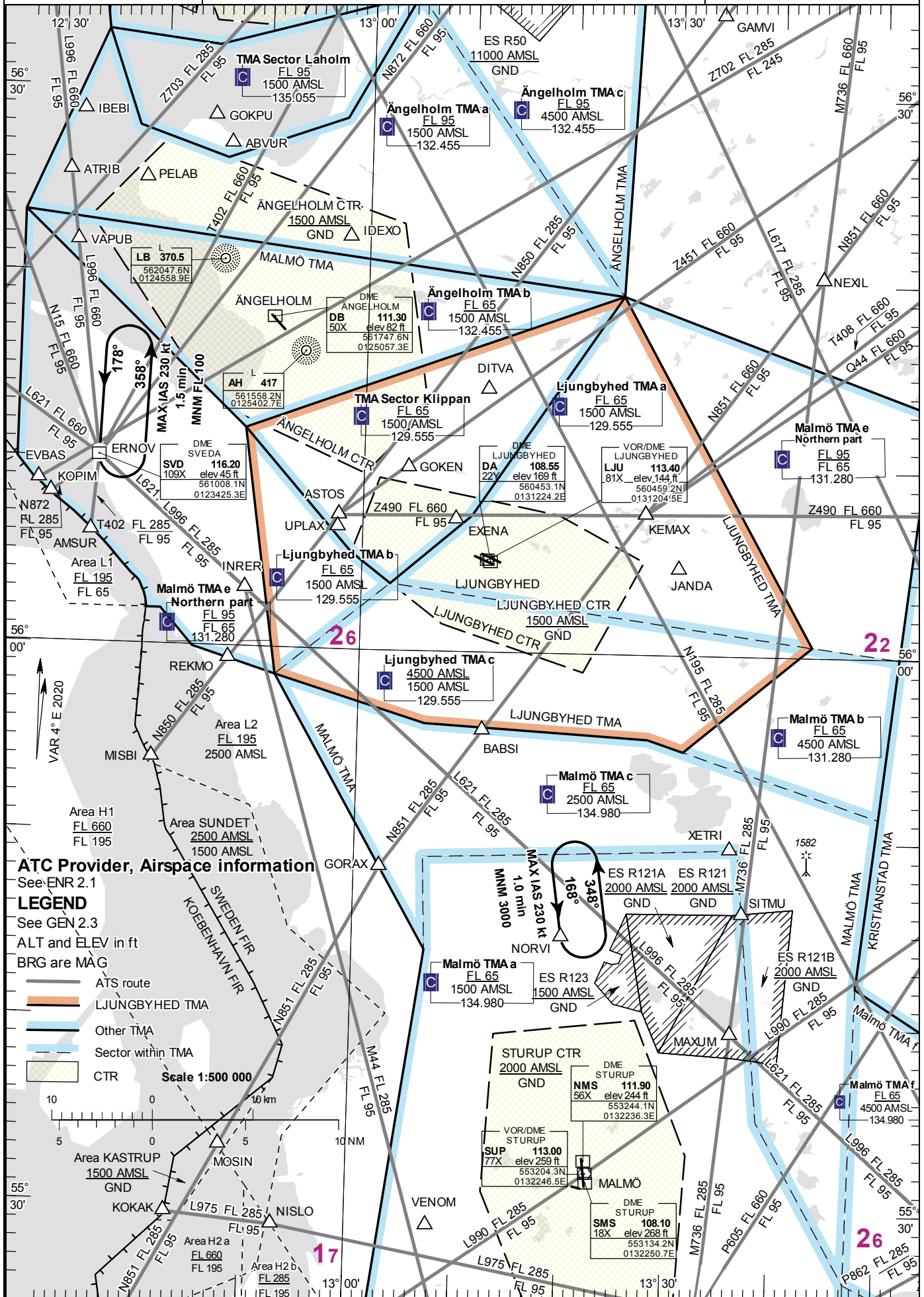
INS Coordinates for Aircraft Stands

| APRON<br>Surface<br>Bearing strength | NR | COORD | ELEV |
|--------------------------------------|----|-------|------|
| 1<br>CONC<br>PCN                     |    |       |      |
| 2<br>CONC<br>PCN                     |    |       |      |
| 3<br>CONC<br>PCN                     |    |       |      |
| 4<br>CONC<br>PCN                     |    |       |      |
| 5<br>CONC<br>PCN                     |    |       |      |



| RWY NR | TRUE & MAG BRG          | THR PSN<br>Geoid<br>undulation             | Bearing strength | THR ELEV and<br>highest ELEV of<br>TDZ of precision<br>APCH RWY | Declared distances |      |      |      | Approach and runway lighting         |                    |                                 |   |     |
|--------|-------------------------|--|------------------|---|--------------------|------|------|------|--------------------------------------|--------------------|---------------------------------|---|-----|
|        |                         |  |                  |   | TORA               | TODA | ASDA | LDA  | APCH                                 | THR<br>TRID<br>TDZ | VASIS<br>(MEHT)                 | Edge  | End |
| 11R    | 113.86° GEO<br>110° MAG | 560511.45N<br>0131052.36E<br>GUND 119 ft   | PCN 25 R/B/X/T   | THR 123 ft  | 1986               | 1986 | 1986 | 1986 |                                      | THR Green          | APAPI<br>Left/3.00°             | 1986/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIH | Red |
| 29L    | 293.89° GEO<br>290° MAG | 560445.46N<br>0131237.35E<br>GUND 119.3 ft | PCN 25 R/B/X/T   | THR 136.1 ft<br>TDZ 136 ft                                      | 1986               | 1986 | 1986 | 1986 | Calvert<br>Cat I<br>750 m<br>LIL/LIH | THR Green<br>WBAR  | PAPI<br>Left/3.00°<br>(57.4 ft) | 1986/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIH | Red |
| 11L    | 113.04° GEO<br>109° MAG | 560518.61N<br>0131133.02E<br>GUND 119 ft   | PCN 25 R/B/X/T   | THR 126 ft  | 1998               | 1998 | 1998 | 1998 |                                      |                    |                                 |   |     |
| 29R    | 293.06° GEO<br>289° MAG | 560453.31N<br>0131319.36E<br>GUND 119 ft   | PCN 25 R/B/X/T   | THR 139 ft  | 1998               | 1998 | 1998 | 1998 |                                      |                    |                                 |   |     |





**ATC Provider, Airspace information**

See ENR 2.1

**LEGEND**

See GEN 2.3

ALT and ELEV in ft

BRG are MÄG

- ATS route
- LJUNGBYHED TMA
- Other TMA
- Sector within TMA
- CTR

Scale 1:500 000



55° 30'

55°

55° 30'

LFV

CHANGE: ES R121, ES R121A, ES R121B. ES R123 new.

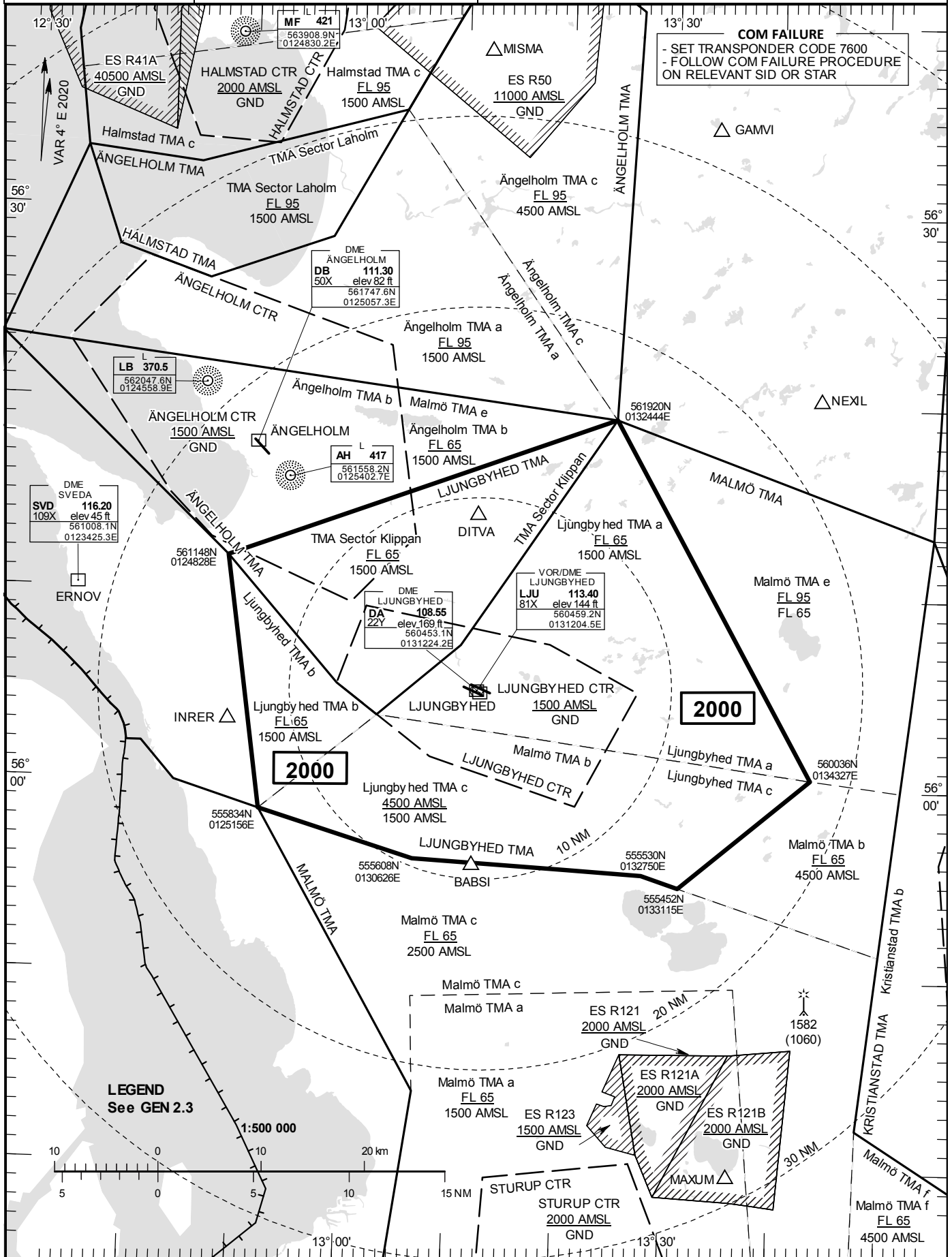
AIRAC AMDT 3/2024 16 MAY 2024



AD ELEV 139 FEET  
HGT and ALT in ft  
TA 5000 AMSL

LJUNGBYHED TOWER **130.705**  
LJUNGBYHED GROUND **129.705**  
LJUNGBYHED APPROACH **121.655**  
**129.555**

THIS CHART MAY ONLY BE USED FOR CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST IN RECEIPT OF RADAR SERVICE LEVELS ASSIGNED BY ATC INCLUDE A CORRECTION FOR LOW TEMPERATURE EFFECT







**VISUAL APPROACH CHART - ICAO**

1:250000

1 0 1 2 3 4 5 km

1 0 1 2 3 NM

**AD ELEV 705 FEET**

ELEV and ALT in ft  
HGT in ft above AD ELEV

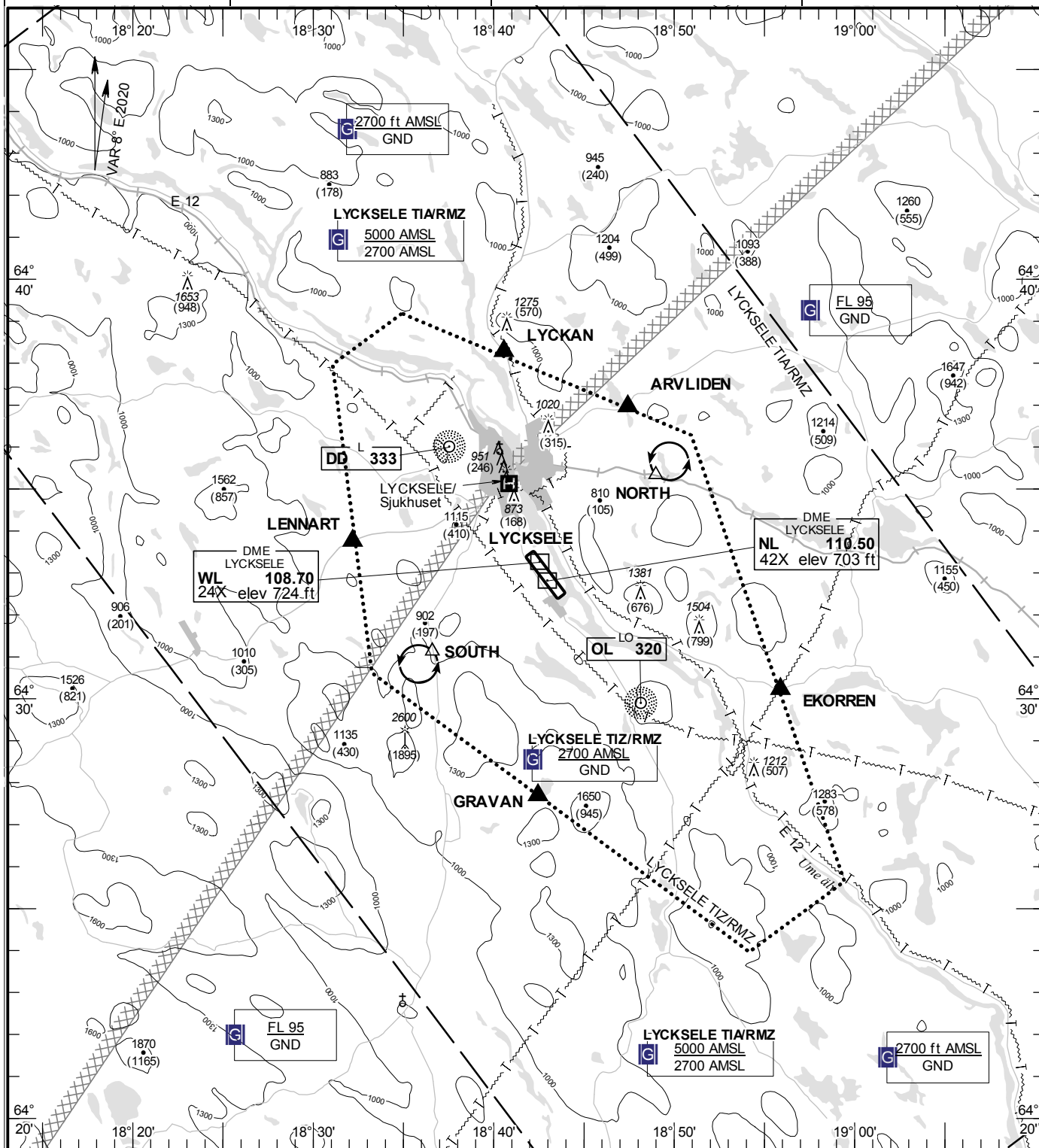
**TA 5000 AMSL**

**LYCKSELE INFORMATION**

**122.230**

**AD 2 ESNL 6-1**

**LYCKSELE SWEDEN**



**Communication failure**

NIL

**Remark**

NIL

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 14     | 704.5 ft | Left/3.50° (50 ft) |
| 32     | 689 ft   | Left/3.00° (50 ft) |

**Entry / exit point**

|          |                  |
|----------|------------------|
| LYCKAN   | 643816N 0184034E |
| ARVLIDEN | 643657N 0184726E |
| EKORREN  | 643013N 0185553E |
| GRAVAN   | 642741N 0184227E |
| LENNART  | 643345N 0183211E |

**Holding**

|        |  |
|--------|--|
| NORTH: | Hold over railway crossing, north east of point 643519N 0184859E |
| SOUTH: | Hold over crossroad, south west of point 643107N 0183636E        |

**Legend**

See GEN 2.3

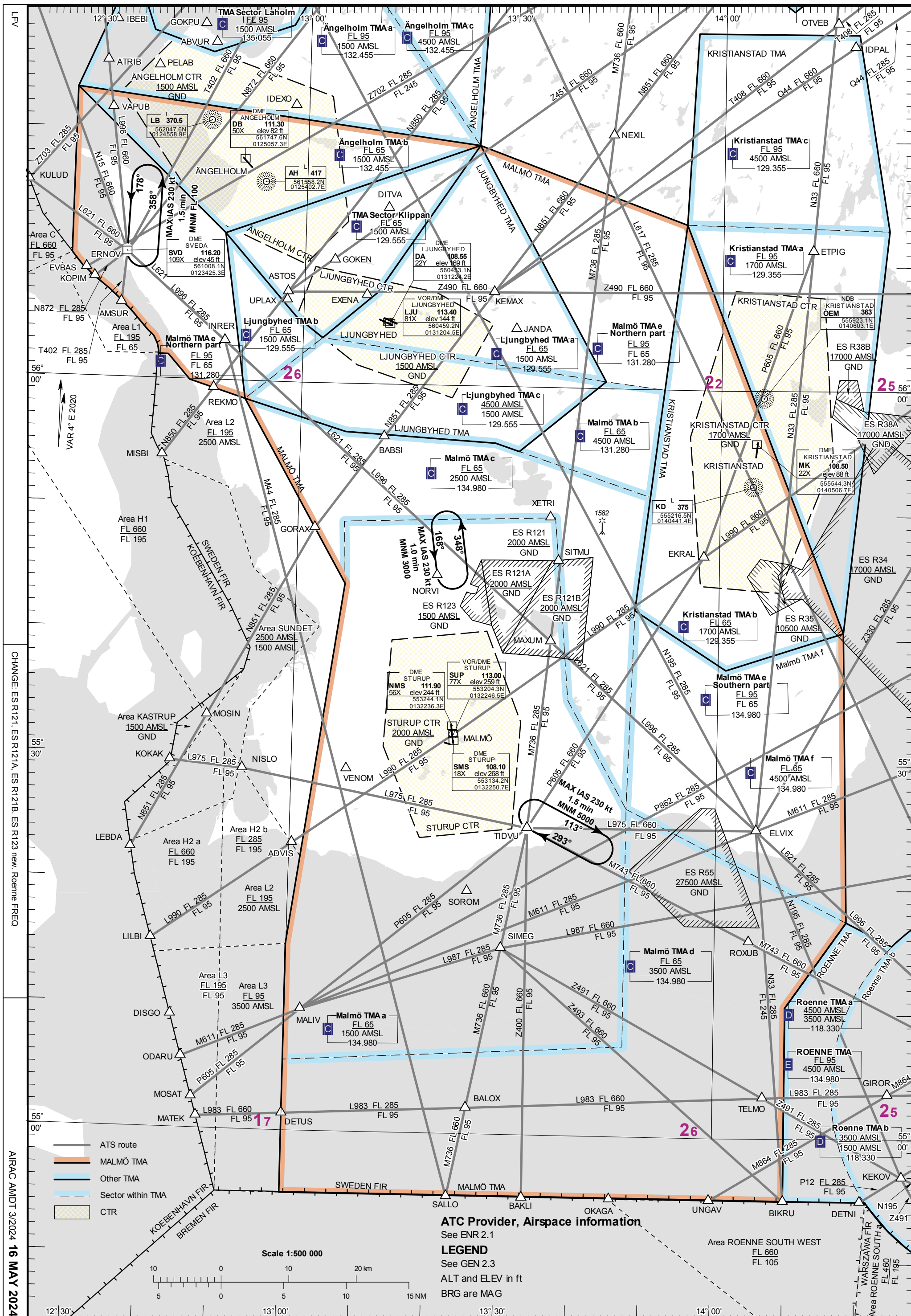
LFV

CHANGE: OBST

AIRAC AMDT 3/2024 **16 MAY 2024**







CHANGE: ES R121, ES R121A, ES R121B, ES R123 new, Roenne FREQ

AIRAC AMDT 3/2024 16 MAY 2024

- ATIS route
- MALMÖ TMA
- Other TMA
- Sector within TMA
- CTR

**ATC Provider, Airspace information**  
See ENR 2.1

**LEGEND**  
See GEN 2.3

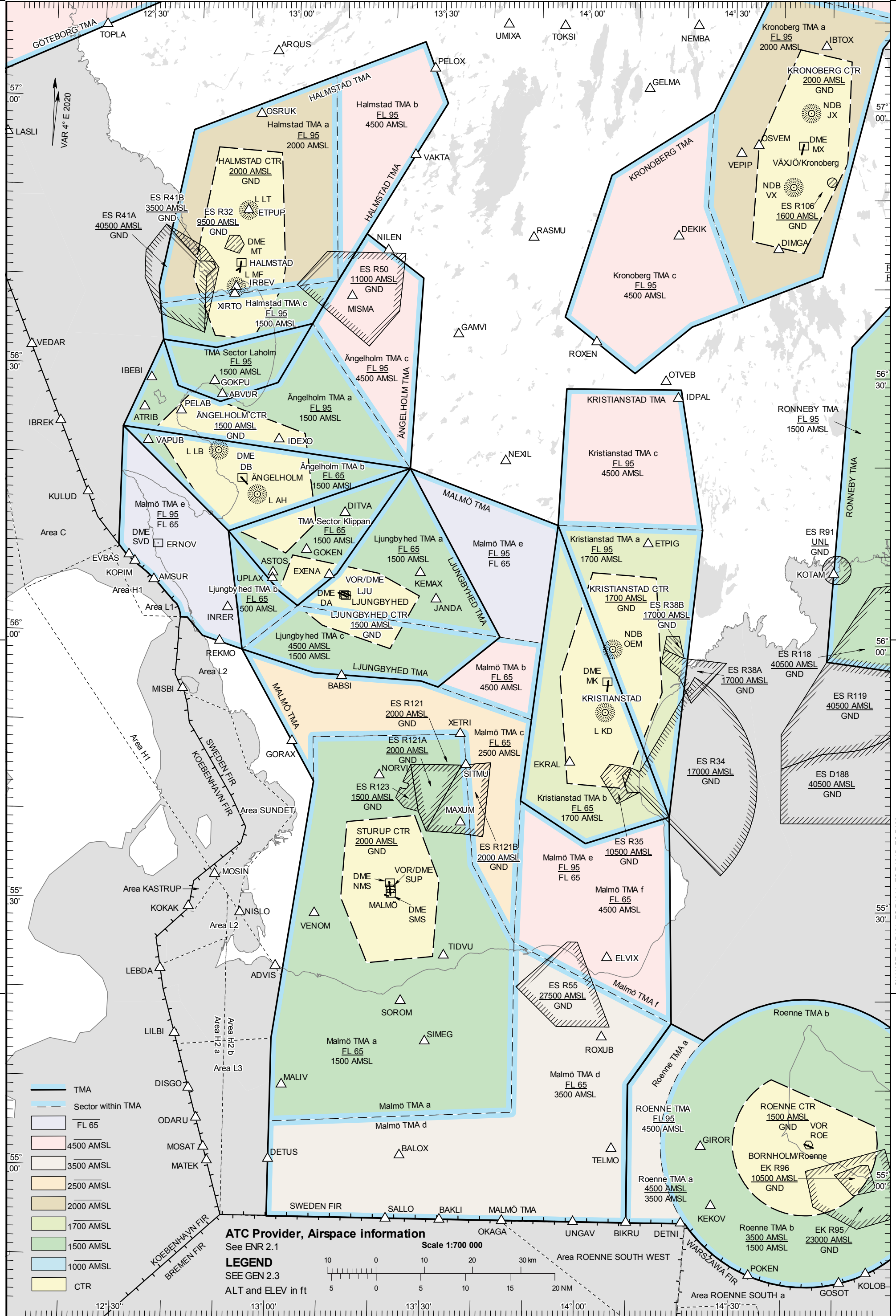
ALT and ELEV in ft  
BRG are MAG

Scale 1:500 000

0 10 20 km  
0 5 10 15 NM

12° 30' 13° 00' 13° 30' 14° 00'





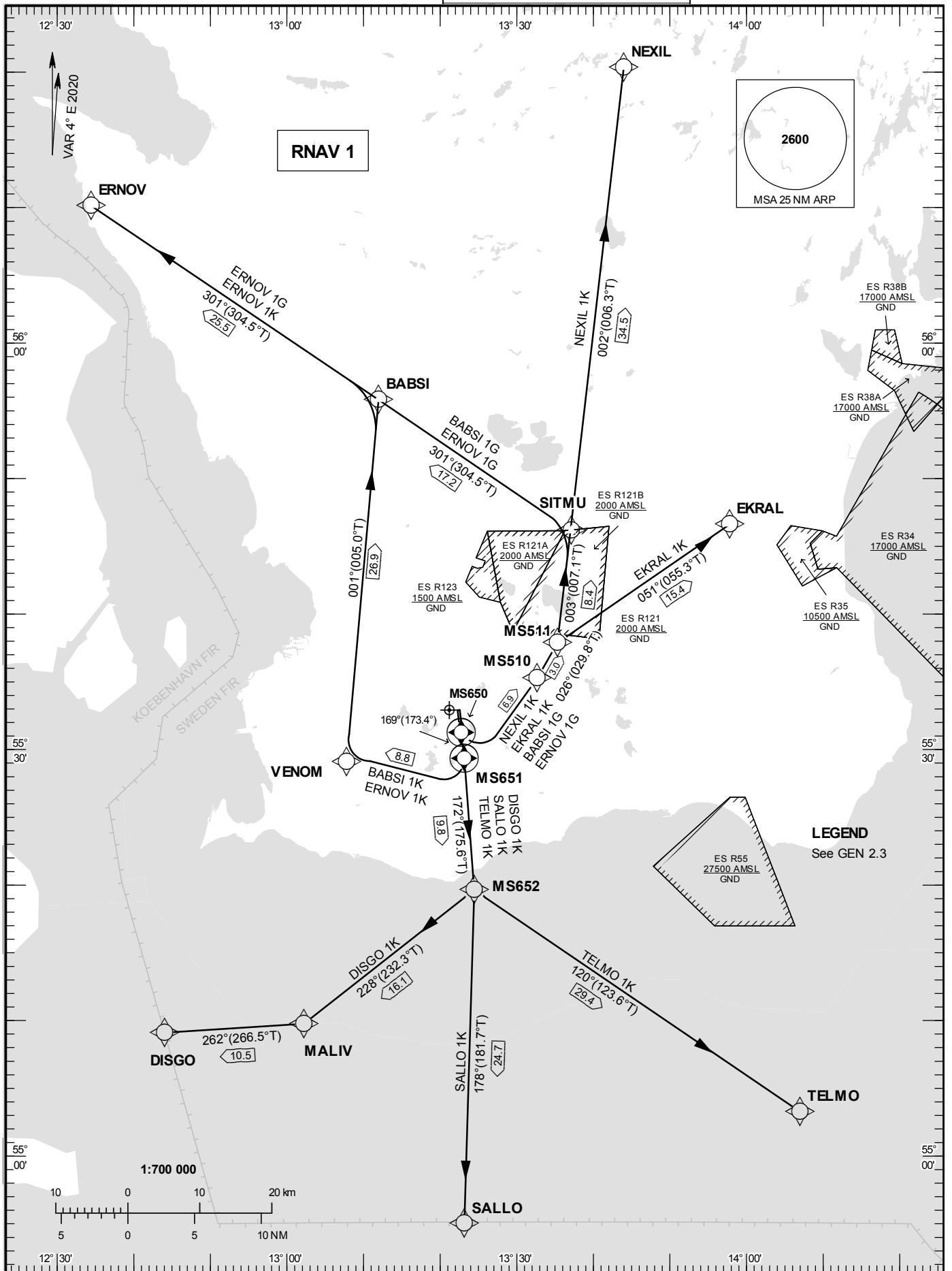
CHANGE: ES R121, ES R121A, ES R121B, ES R123 new.

STANDARD INSTRUMENT  
DEPARTURE CHART (SID) -  
ICAO

HGT and ALT in ft  
BRG are MAG (True)  
TA 5000 ft AMSL

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

RNAV (GNSS) SID RWY 17



**Prescribed Coding of RNAV SID for RWY 17**

RNAV 1 required, otherwise advise ATC.

RNAV SID are based on GNSS only for position update.

At waypoints with a speed restriction only, an altitude has been added in the coding table in order to adapt to certain FMS equipments.

INITIAL CLIMB CLEARANCE: Climb to 4000 ft unless otherwise specified. Common to all SIDs published on charts.

Aircraft proceeding on SID shall use 400 ft (6.6%) per NM as a minimum gradient of climb up to 4000 ft AMSL. Aircraft unable to conform with this procedure shall inform ATS accordingly.

CONTACT FREQUENCY: Unless otherwise instructed contact SWEDEN CONTROL as soon as practicable after take-off.

**BABSI 1G (left turn)**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| CF        | MS650               | Y        | 169°(173.4°)  | -         | -        | -                   | -                 | -              | SUP        | RNAV 1                   |
| CA        | -                   | -        | 169°(173.4°)  | -         | -        | @700                | -                 | -              | -          | RNAV 1                   |
| DF        | MS510               | -        | -             | -         | L        | +1000               | -210              | -              | -          | RNAV 1                   |
| TF        | MS511               | -        | 026°(029.8°)  | 3.0       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | SITMU               | -        | 003°(007.1°)  | 8.4       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | BABSI               | -        | 301°(304.5°)  | 17.2      | -        | -                   | -                 | -              | -          | RNAV 1                   |

SID instruction: MS650 - Climb straight ahead (MNM PDG 4.1 % (250 ft/NM)) to 700 ft – MS510 (Max IAS 210 kt until MS510) – MS511 – SITMU – BABSI

ACFT unable to follow RNAV SID: Climb straight ahead to 700 ft. Turn left to track 028° (max IAS 210 kt until established on track 028°), expect radar vectors.

**BABSI 1K**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| CF        | MS651               | Y        | 169°(173.4°)  | -         | -        | -                   | -                 | -              | SUP        | RNAV 1                   |
| DF        | VENOM               | -        | -             | 8.8       | R        | +1000               | -210              | -              | -          | RNAV 1                   |
| TF        | BABSI               | -        | 001°(005.0°)  | 26.9      | -        | -                   | -                 | -              | -          | RNAV 1                   |

SID instruction: Climb straight ahead to MS651 – VENOM (MNM PDG 6.0 % (365 ft/NM) and max IAS 210 kt until VENOM) – BABSI

**DISGO 1K**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| CF        | MS651               | Y        | 169°(173.4°)  | -         | -        | -                   | -                 | -              | SUP        | RNAV 1                   |
| TF        | MS652               | -        | 172°(175.6°)  | 9.8       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MALIV               | -        | 228°(232.3°)  | 16.1      | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | DISGO               | -        | 262°(266.5°)  | 10.5      | -        | -                   | -                 | -              | -          | RNAV 1                   |

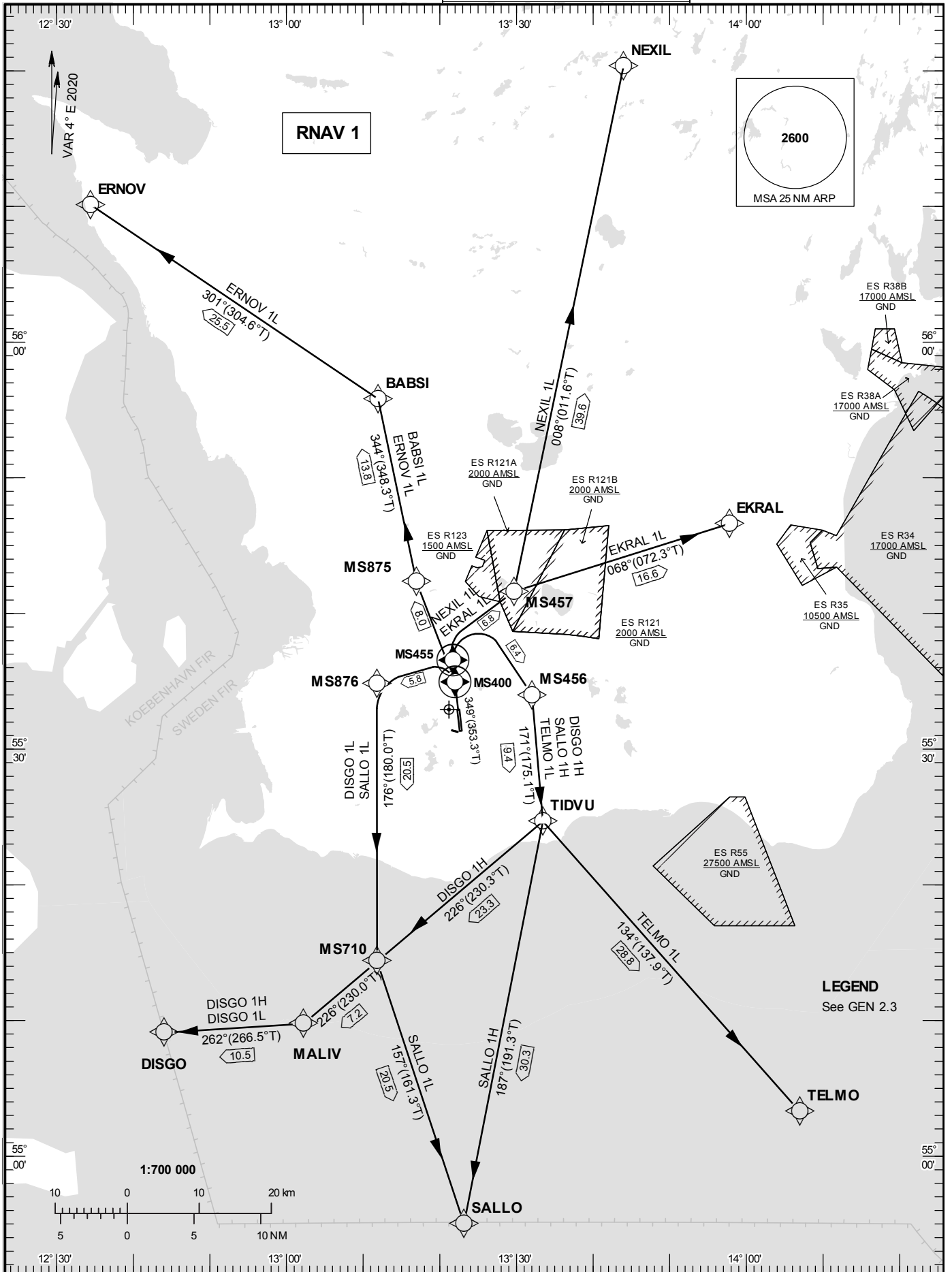
SID instruction: Climb straight ahead (MNM PDG 4.1 % (250 ft/NM) to MS651 – MS652 – MALIV – DISGO

STANDARD INSTRUMENT  
DEPARTURE CHART (SID) -  
ICAO

HGT and ALT in ft  
BRG are MAG (True)  
TA 5000 ft AMSL

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

RNAV (GNSS) SID RWY 35



LEGEND  
See GEN 2.3

**Prescribed Coding of RNAV SID for RWY 35**

RNAV 1 required, otherwise advise ATC.

RNAV SID are based on GNSS only for position update.

At waypoints with a speed restriction only, an altitude has been added in the coding table in order to adapt to certain FMS equipments.

INITIAL CLIMB CLEARANCE: Climb to 4000 ft unless otherwise specified. Common to all SIDs published on charts.

Aircraft proceeding on SID shall use 400 ft (6.6%) per NM as a minimum gradient of climb up to 4000 ft AMSL. Aircraft unable to conform with this procedure shall inform ATS accordingly.

CONTACT FREQUENCY: Unless otherwise instructed contact SWEDEN CONTROL as soon as practicable after take-off.

**BABSI 1L**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| CF        | MS400               | Y        | 349°(353.3°)  | -         | -        | -                   | -                 | -              | SUP        | RNAV 1                   |
| DF        | MS875               | -        | -             | -         | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | BABSI               | -        | 344°(348.3°)  | 13.8      | -        | -                   | -                 | -              | -          | RNAV 1                   |

SID instruction: Climb straight ahead to MS400 – MS875 – BABSI

**DISGO 1H (right turn)**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| CF        | MS455               | Y        | 350°(353.6°)  | -         | -        | -                   | -                 | -              | SUP        | RNAV 1                   |
| DF        | MS456               | -        | -             | -         | R        | +1000               | -210              | -              | -          | RNAV 1                   |
| TF        | TIDVU               | -        | 171°(175.1°)  | 9.4       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MALIV               | -        | 226°(230.3°)  | 23.3      | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | DISGO               | -        | 262°(266.5°)  | 10.5      | -        | -                   | -                 | -              | -          | RNAV 1                   |

SID instruction: Climb straight ahead to MS455 – MS456 (max IAS 210 kt until MS456) – TIDVU – MALIV – DISGO

ACFT unable to follow RNAV SID: Climb straight ahead. At SUP DME 4.5 turn right to track 135° (max IAS 210 kt until established on track 135°), expect radar vectors.

**DISGO 1L**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| CF        | MS400               | Y        | 349°(353.3°)  | -         | -        | -                   | -                 | -              | SUP        | RNAV 1                   |
| DF        | MS876               | -        | -             | -         | L        | +1000               | -210              | -              | -          | RNAV 1                   |
| TF        | MS710               | -        | 176°(180.0°)  | 20.5      | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MALIV               | -        | 226°(230.0°)  | 7.2       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | DISGO               | -        | 262°(266.5°)  | 10.5      | -        | -                   | -                 | -              | -          | RNAV 1                   |

SID instruction: Climb straight ahead (MNM PDG 4.8 % (290 ft/NM) to MS400 – MS876 (max IAS 210 kt until MS876) – MS710 – MALIV – DISGO

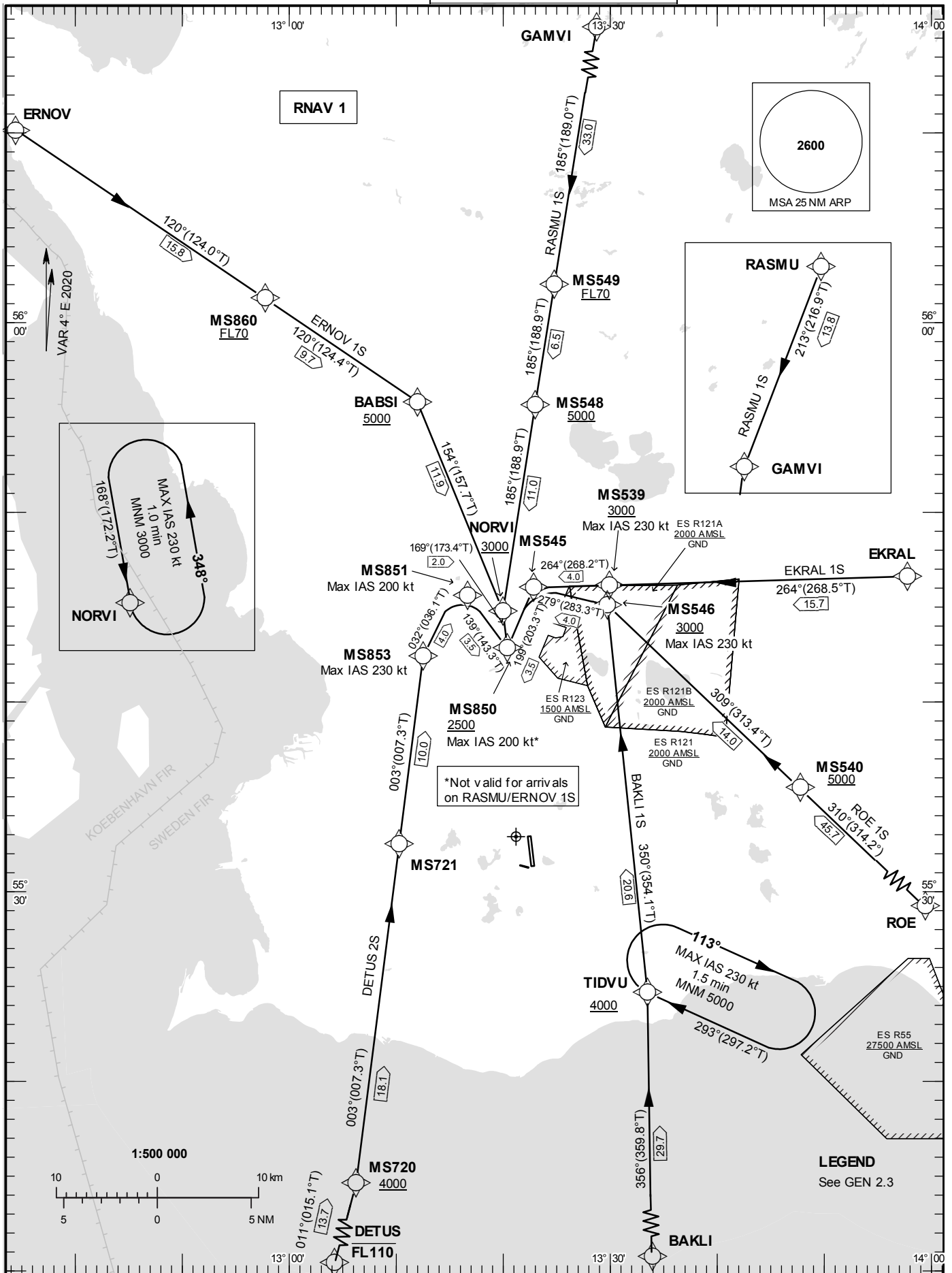


STANDARD INSTRUMENT  
ARRIVAL CHART (STAR) -  
ICAO

HGT and ALT in ft  
BRG are MAG (True)  
TA 5000 ft AMSL

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

RNAV (GNSS) STAR RWY 17



**Prescribed Coding of RNAV STAR for RWY 17**

RNAV 1 required, otherwise advise ATC.

RNAV STAR are based on GNSS only for position update.

At waypoints with a speed restriction only, an altitude has been added in the coding table in order to adapt to certain FMS equipments.

**BAKLI 1S**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| IF        | BAKLI               | -        | -             | -         | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | TIDVU               | -        | 356°(359.8°)  | 29.7      | -        | +4000               | -                 | -              | -          | RNAV 1                   |
| TF        | MS546               | -        | 350°(354.1°)  | 20.6      | -        | +3000               | -230              | -              | -          | RNAV 1                   |
| TF        | MS545               | -        | 279°(283.3°)  | 4.0       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS850               | -        | 199°(203.3°)  | 3.5       | -        | +2500               | -200              | -              | -          | RNAV 1                   |

STAR instruction: BAKLI – TIDVU (4000 ft or above) – MS546 (max IAS 230 kt, 3000 ft or above) – MS545 – MS850 (max IAS 200 kt, 2500 ft or above)

**DETUS 2S**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| IF        | DETUS               | -        | -             | -         | -        | -FL110              | -                 | -              | -          | RNAV 1                   |
| TF        | MS720               | -        | 011°(015.1°)  | 13.7      | -        | +4000               | -                 | -              | -          | RNAV 1                   |
| TF        | MS721               | -        | 003°(007.3°)  | 18.1      | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS853               | -        | 003°(007.3°)  | 10.0      | -        | -                   | -230              | -              | -          | RNAV 1                   |
| TF        | MS851               | -        | 032°(036.1°)  | 4.0       | -        | -                   | -200              | -              | -          | RNAV 1                   |
| TF        | MS850               | -        | 139°(143.3°)  | 3.5       | R        | +2500               | -200              | -              | -          | RNAV 1                   |

STAR instruction: DETUS (FL110 or below) – MS720 (4000 ft or above) – MS721 – MS853 (max IAS 230 kt) – MS851 (max IAS 200 kt) – MS850 (max IAS 200kt, 2500 ft or above)

**EKRAL 1S**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| IF        | EKRAL               | -        | -             | -         | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS539               | -        | 264°(268.5°)  | 15.7      | -        | +3000               | -230              | -              | -          | RNAV 1                   |
| TF        | MS545               | -        | 264°(268.2°)  | 4.0       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS850               | -        | 199°(203.3°)  | 3.5       | -        | +2500               | -200              | -              | -          | RNAV 1                   |

STAR instruction: EKRAL – MS539 (max IAS 230 kt, 3000 ft or above) – MS545 – MS850 (max IAS 200 kt, 2500 ft or above)

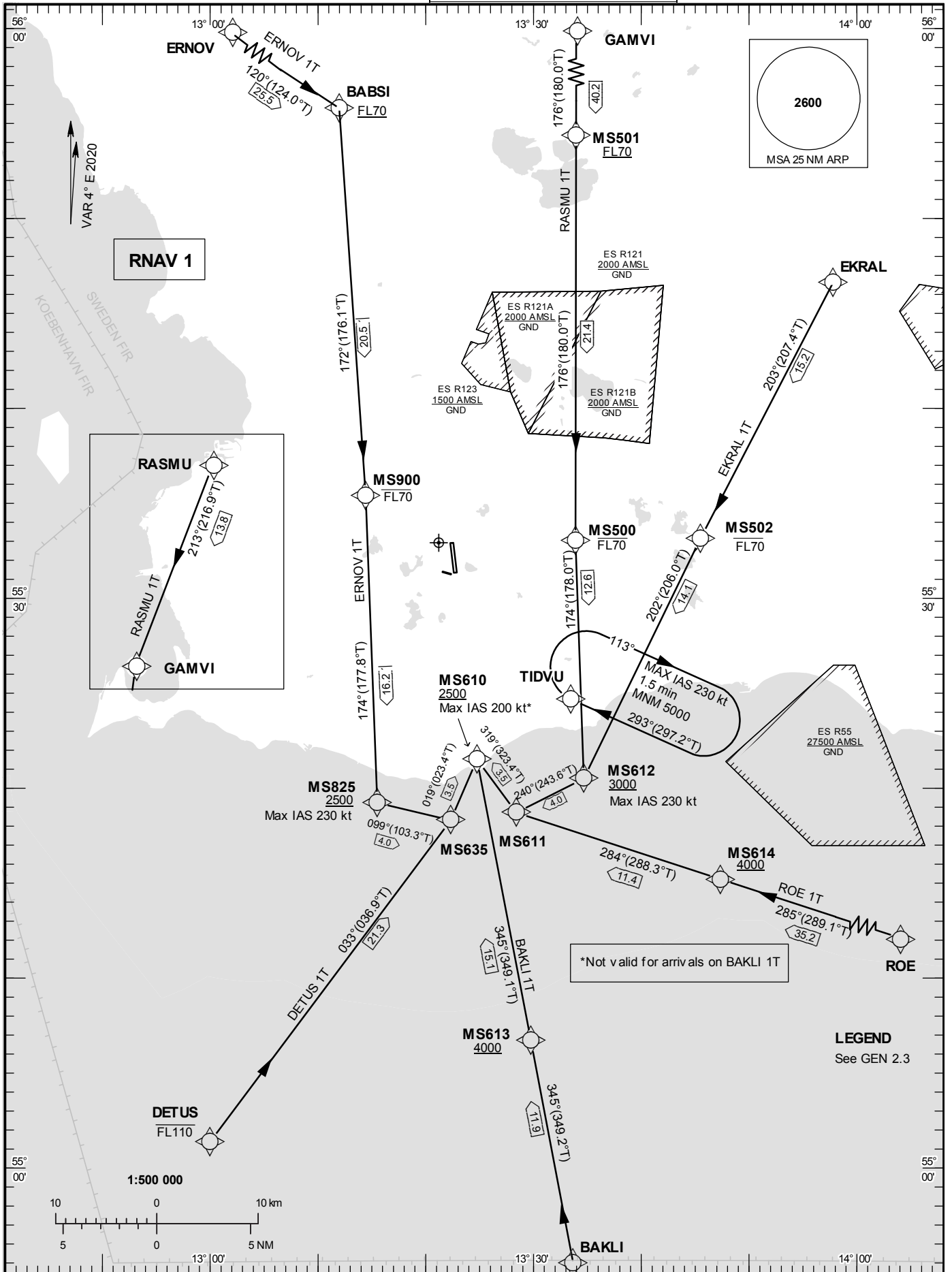


STANDARD INSTRUMENT  
ARRIVAL CHART (STAR) -  
ICAO

HGT and ALT in ft  
BRG are MAG (True)  
TA 5000 ft AMSL

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

RNAV (GNSS) STAR RWY 35



**Prescribed Coding of RNAV STAR for RWY 35**

RNAV 1 required, otherwise advise ATC.

RNAV STAR are based on GNSS only for position update.

At waypoints with a speed restriction only, an altitude has been added in the coding table in order to adapt to certain FMS equipments.

**BAKLI 1T**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| IF        | BAKLI               | -        | -             | -         | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS613               | -        | 345°(349.2°)  | 11.9      | -        | +4000               | -                 | -              | -          | RNAV 1                   |
| TF        | MS610               | -        | 345°(349.1°)  | 15.1      | -        | +2500               | -                 | -              | -          | RNAV 1                   |

STAR instruction: BAKLI – MS613 (4000 ft or above) – MS610 (2500 ft or above)

**DETUS 1T**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| IF        | DETUS               | -        | -             | -         | -        | -FL110              | -                 | -              | -          | RNAV 1                   |
| TF        | MS635               | -        | 033°(036.9°)  | 21.3      | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS610               | -        | 019°(023.4°)  | 3.5       | -        | +2500               | -200              | -              | -          | RNAV 1                   |

STAR instruction: DETUS (FL110 or below) – MS635 – MS610 (max IAS 200 kt, 2500 ft or above)

**EKRAL 1T**

| Path Term | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts (ft AMSL) | Speed Limits (kt) | VPA/RDH (°/ft) | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|---------------------|-------------------|----------------|------------|--------------------------|
| IF        | EKRAL               | -        | -             | -         | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS502               | -        | 203°(207.4°)  | 15.2      | -        | -FL70               | -                 | -              | -          | RNAV 1                   |
| TF        | MS612               | -        | 202°(206.0°)  | 14.1      | -        | +3000               | -230              | -              | -          | RNAV 1                   |
| TF        | MS611               | -        | 240°(243.6°)  | 4.0       | -        | -                   | -                 | -              | -          | RNAV 1                   |
| TF        | MS610               | -        | 319°(323.4°)  | 3.5       | -        | +2500               | -200              | -              | -          | RNAV 1                   |

STAR instruction: EKRAL – MS502 (FL70 or below) – MS612 (max IAS 230 kt, 3000 or above) – MS611 – MS610 (max IAS 200 kt, 2500 ft or above)

AIP SWEDEN

ATC Surveillance Minimum Altitude Chart - MALMÖ

AD 2 ESMS 4-91

AD ELEV 237 FEET  
HGT and ALT in ft  
TA 5000 AMSL

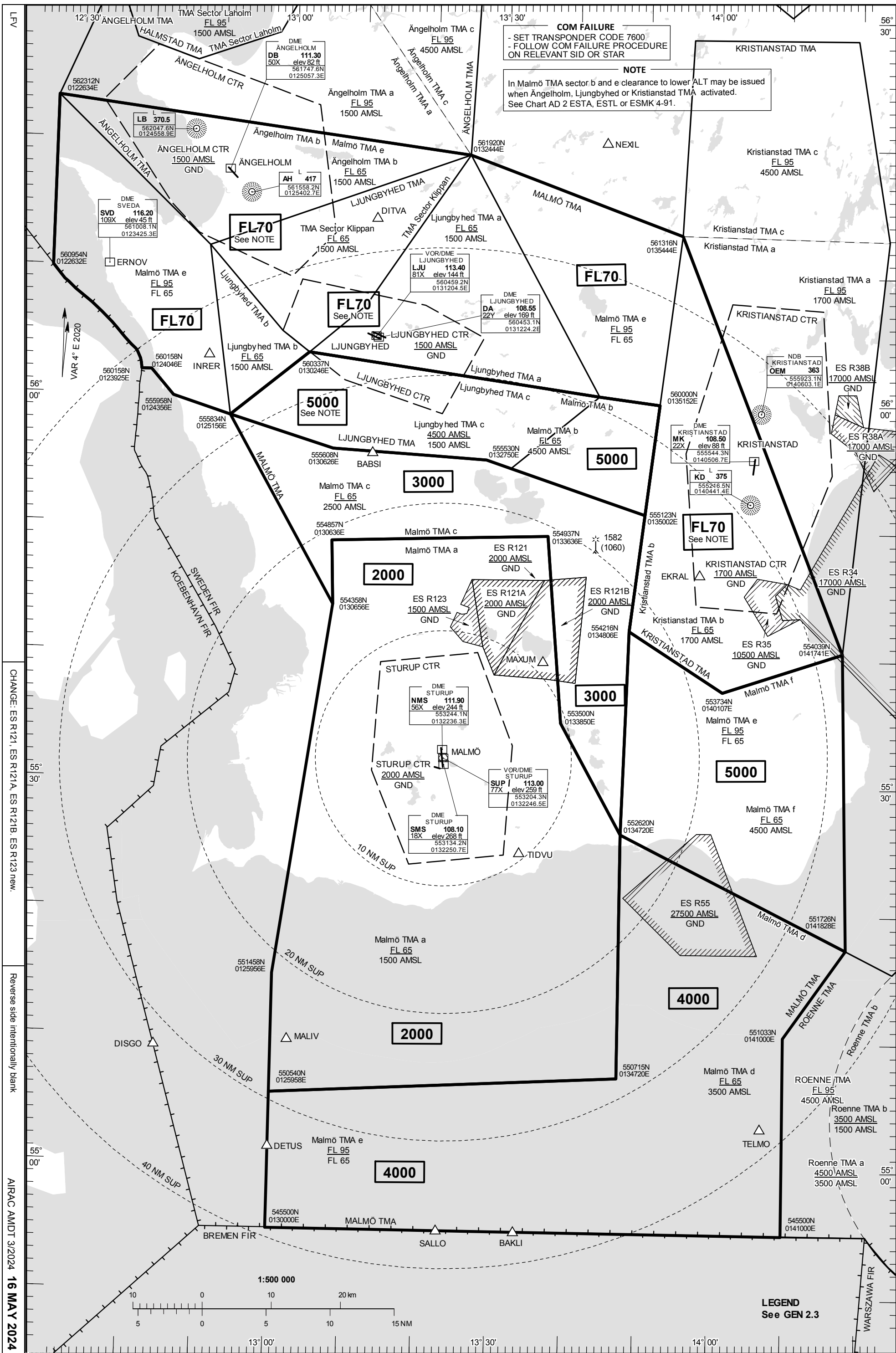
STURUP TOWER 118.805  
121.705

STURUP ATIS 129.280

THIS CHART MAY ONLY BE USED FOR CROSS-CHECKING OF ASSIGNED ALTITUDES WHILE IN RECEIPT OF RADAR SERVICE  
LEVELS ASSIGNED BY ATC INCLUDE A CORRECTION FOR LOW TEMPERATURE EFFECT

**COM FAILURE**  
- SET TRANSPONDER CODE 7600  
- FOLLOW COM FAILURE PROCEDURE ON RELEVANT SID OR STAR

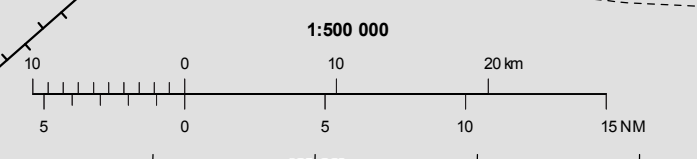
**NOTE**  
In Malmö TMA sector b and e clearance to lower ALT may be issued when Ängelholm, Ljungbyhed or Kristianstad TMA activated.  
See Chart AD 2 ESTA, ESTL or ESMK 4-91.



CHANGE: ES R121, ES R121A, ES R121B, ES R123 new.

Reverse side intentionally blank

AIRAC AMDT 3/2024 16 MAY 2024



LEGEND  
See GEN 2.3

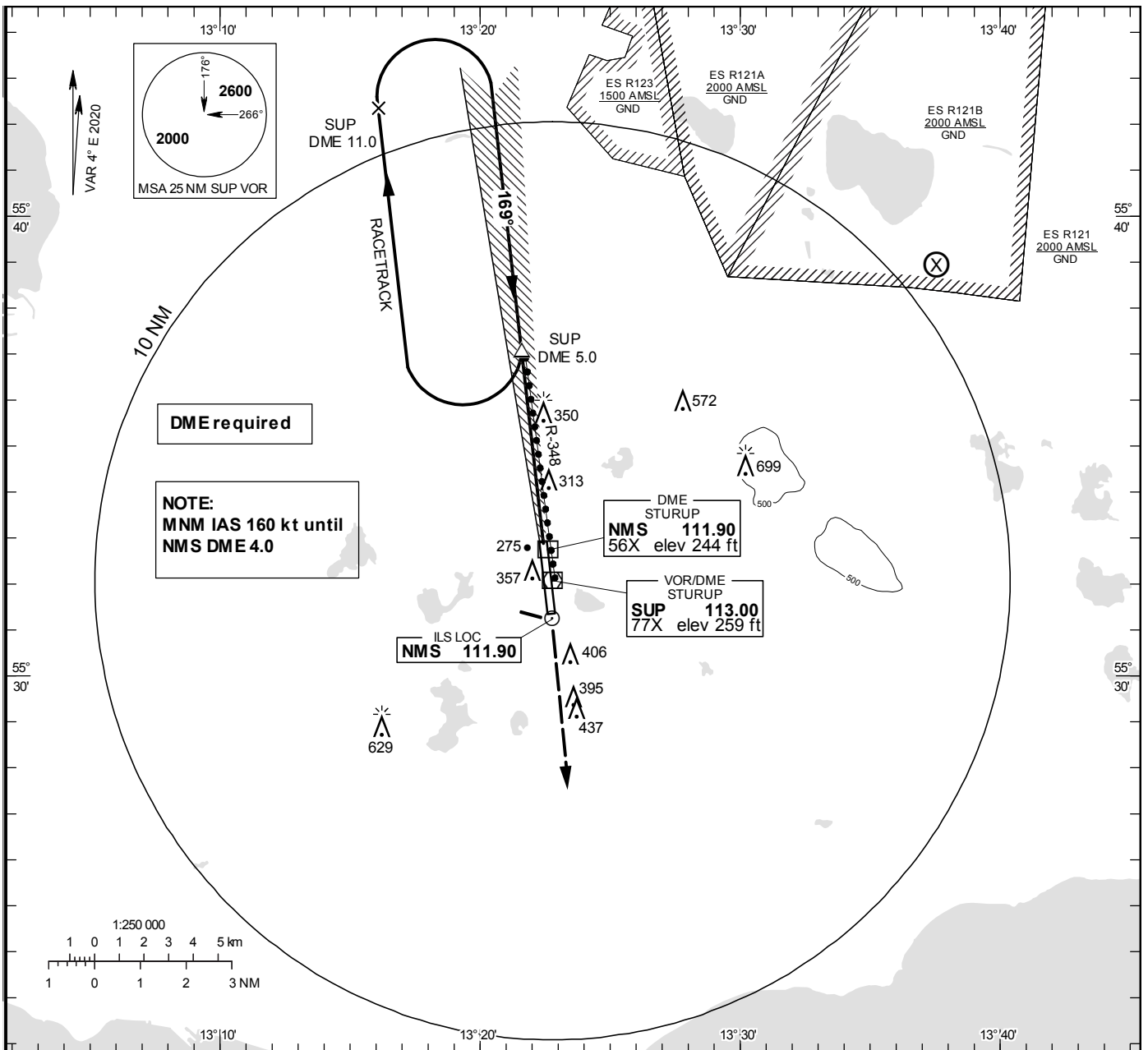


**INSTRUMENT  
APPROACH  
CHART – ICAO**

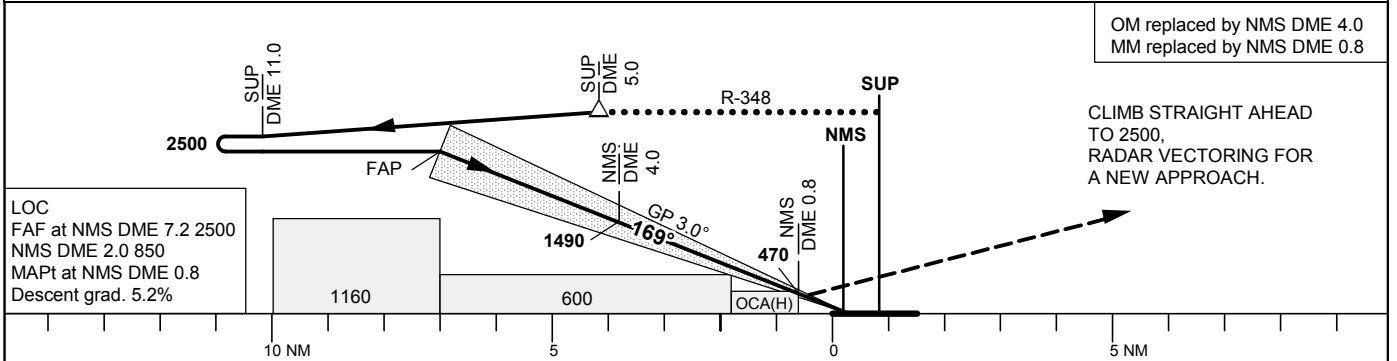
**THR ELEV 208.8 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT. HGT and ELEV in ft.

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**ILS or LOC RWY 17**



TA 5000 ft AMSL RDH 57.0 ft Special COM Failure procedures see AIP-AD 2 \*Timing not authorized for defining the MAPt



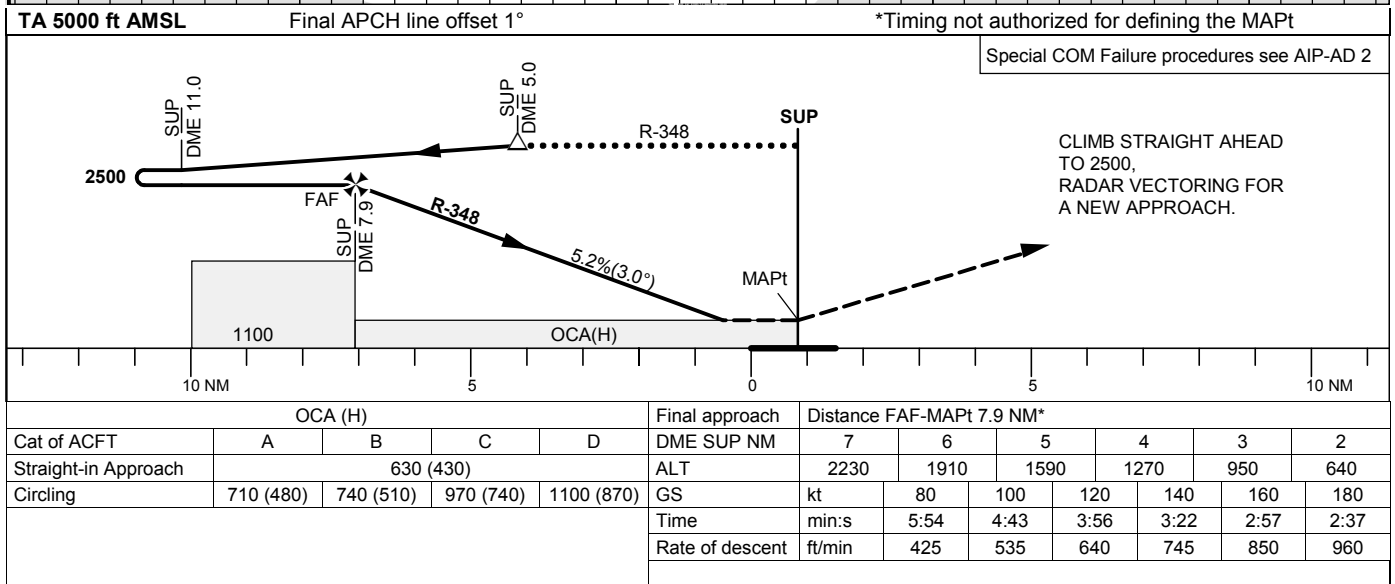
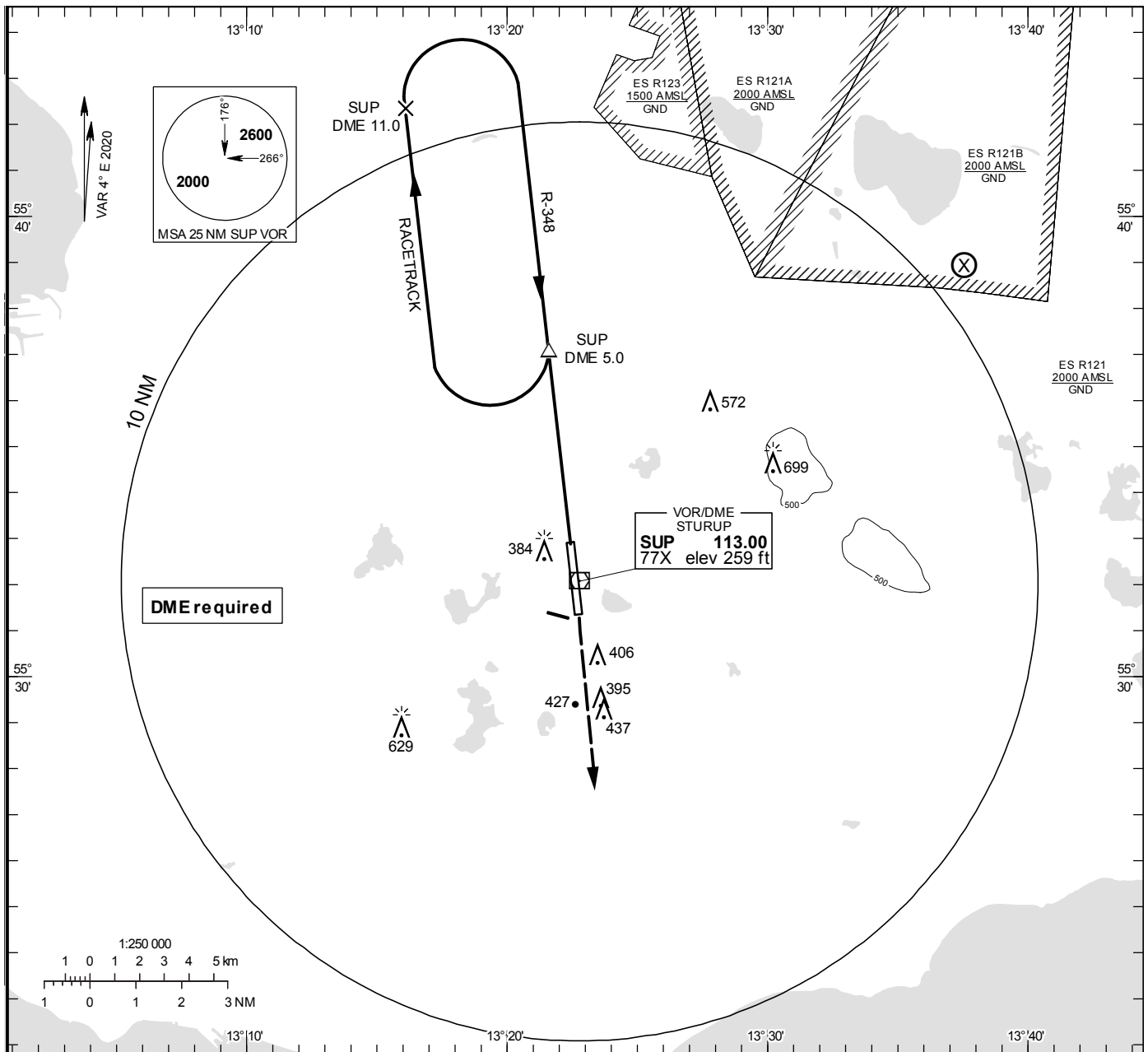
| Cat of ACFT          | OCA (H)  |          |          |           |                | Final approach  | LOC Distance FAF-MAPt 6.4 NM* |       |      |      |      |      |      |      |
|----------------------|----------|----------|----------|-----------|----------------|-----------------|-------------------------------|-------|------|------|------|------|------|------|
|                      | A        | B        | C        | D         | D <sub>L</sub> |                 | DME NMS NM                    | 7     | 6    | 5    | 4    | 3    | 2    |      |
| Straight-in Approach | CAT I    | 351(142) | 362(153) | 377(168)  | 392(183)       | 397(188)        | ALT                           | 2440  | 2120 | 1810 | 1490 | 1170 | 850  |      |
|                      | CAT II   | 258(49)  | 268(59)  | 282(73)   | 294(85)        | 295(86)         | GS                            | kt    | 80   | 100  | 120  | 140  | 160  | 180  |
|                      | LOC      | 570(370) |          |           |                |                 | Time                          | min:s | 4:47 | 3:50 | 3:11 | 2:44 | 2:24 | 2:08 |
| Circling             | 710(480) | 740(510) | 970(740) | 1100(870) | 1100(870)      | Rate of descent | ft/min                        | 425   | 535  | 640  | 745  | 850  | 960  |      |

VOR RWY 17

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**THR ELEV 208.8 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT, HGT and ELEV in ft.

**INSTRUMENT  
APPROACH  
CHART – ICAO**

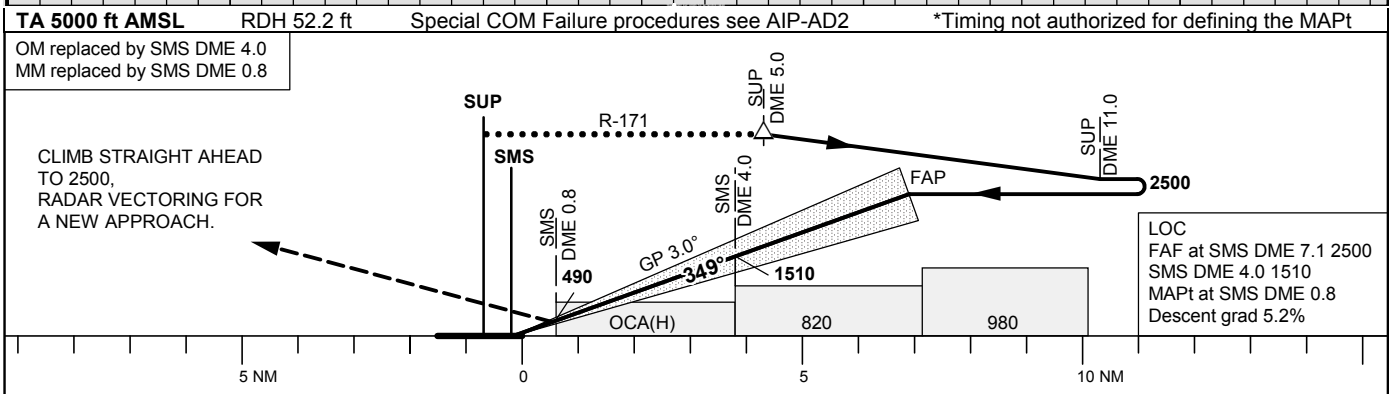
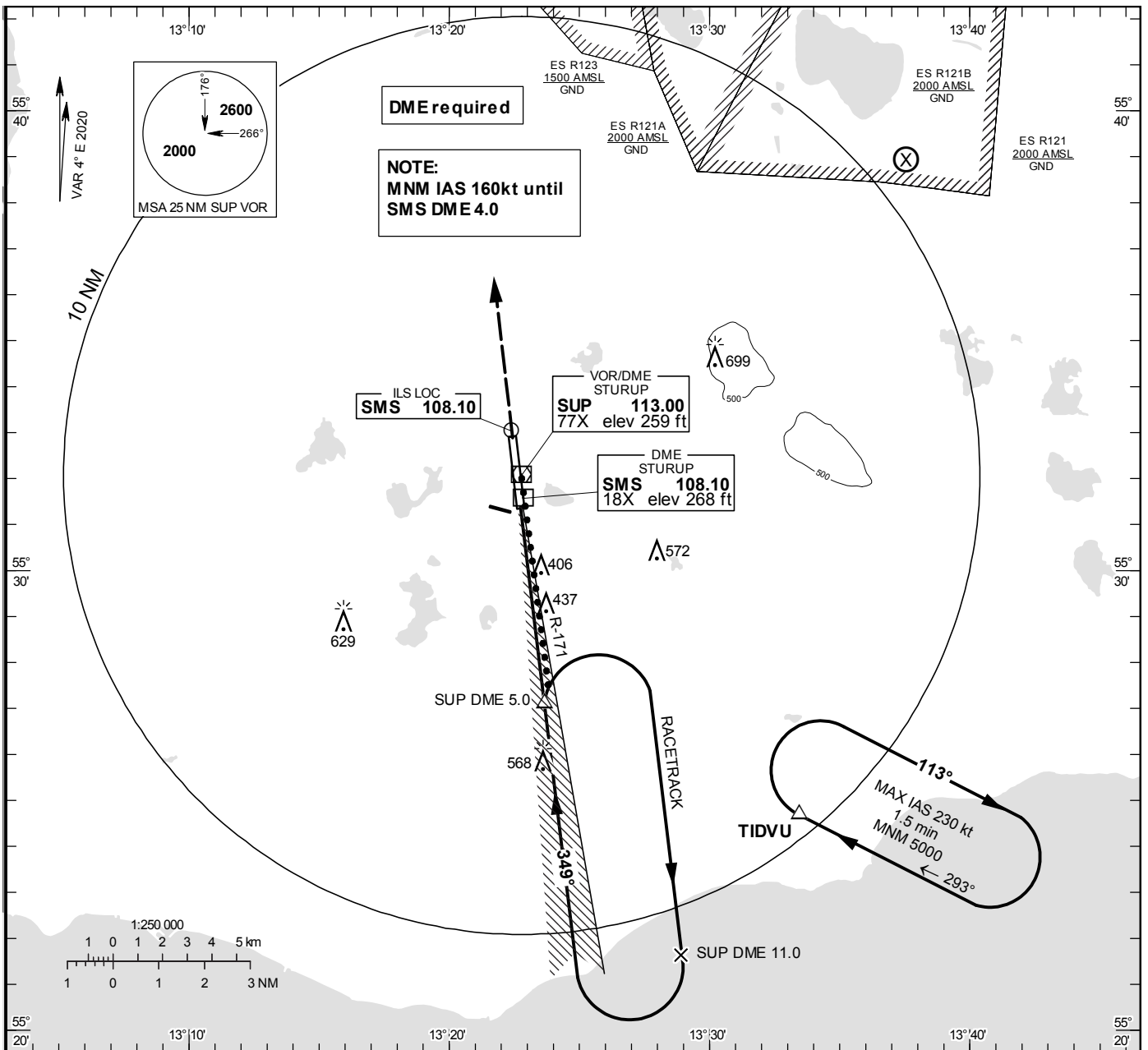


**INSTRUMENT  
APPROACH  
CHART – ICAO**

**THR ELEV 236.3 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT, HGT and ELEV in ft.

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**ILS or LOC RWY 35**



| Cat of ACFT          | OCA (H) |           |           |          |                | Final approach<br>DME SMS NM | LOC Distance FAF-MAPt 6.3 NM* |        |      |      |      |      |      |      |
|----------------------|---------|-----------|-----------|----------|----------------|------------------------------|-------------------------------|--------|------|------|------|------|------|------|
|                      | A       | B         | C         | D        | D <sub>L</sub> |                              | 7                             | 6      | 5    | 4    | 3    | 2    |      |      |
| Straight-in Approach | CAT I   | 378(142)  | 389(153)  | 405(169) | 420(184)       | 425(189)                     | 2460                          | 2150   | 1830 | 1510 | 1190 | 870  |      |      |
|                      | LOC     | 690 (460) |           |          |                |                              | GS                            | kt     | 80   | 100  | 120  | 140  | 160  | 180  |
|                      |         |           |           |          |                |                              | Time                          | min:s  | 4:45 | 3:48 | 3:10 | 2:43 | 2:22 | 2:07 |
| Circling             |         | 710 (480) | 740 (510) | 970(740) | 1100(870)      | 1100(870)                    | Rate of descent               | ft/min | 425  | 535  | 640  | 745  | 850  | 960  |

**INTENTIONALLY BLANK**

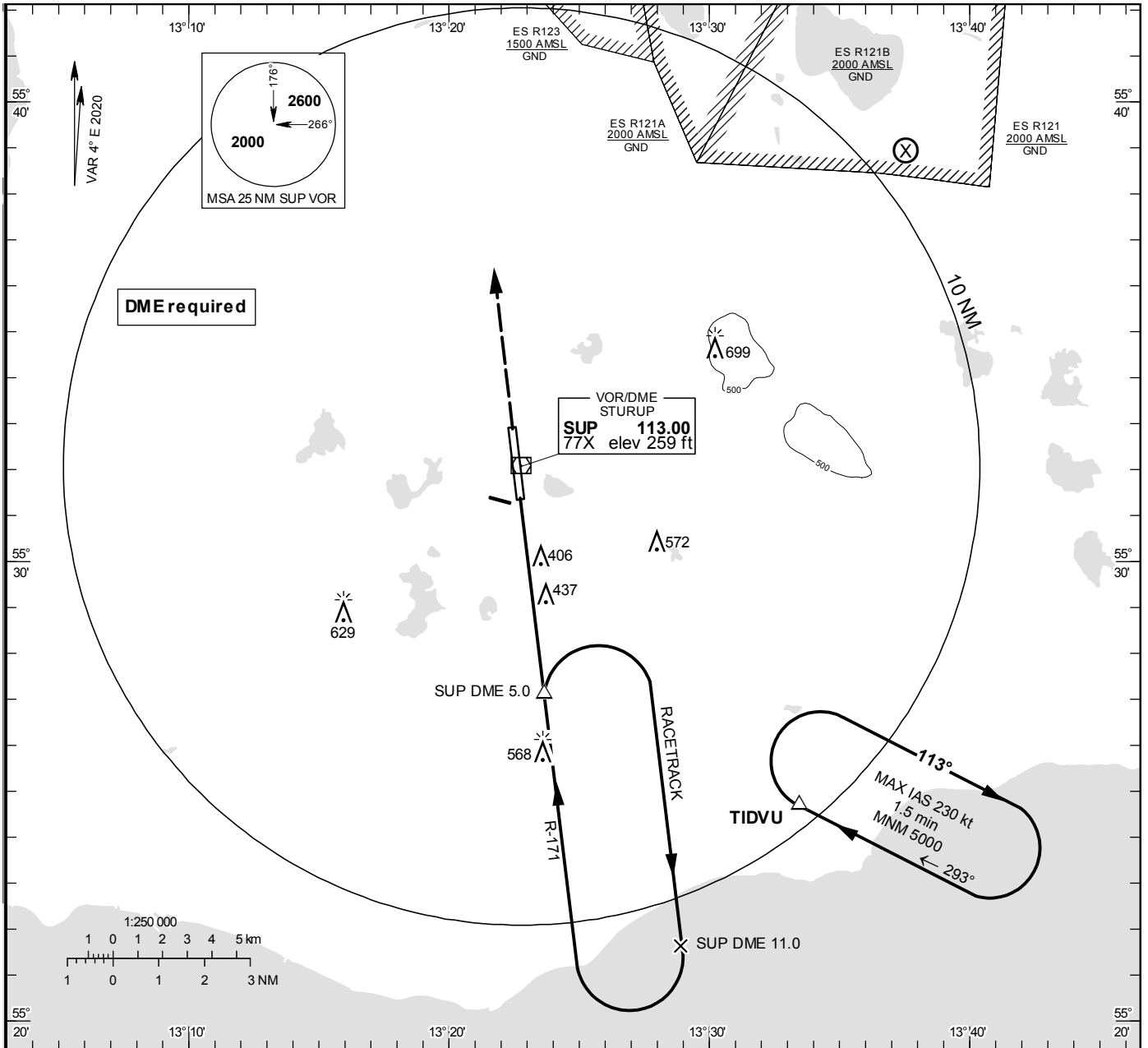


**INSTRUMENT  
APPROACH  
CHART – ICAO**

**THR ELEV 236.3 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT, HGT and ELEV in ft.

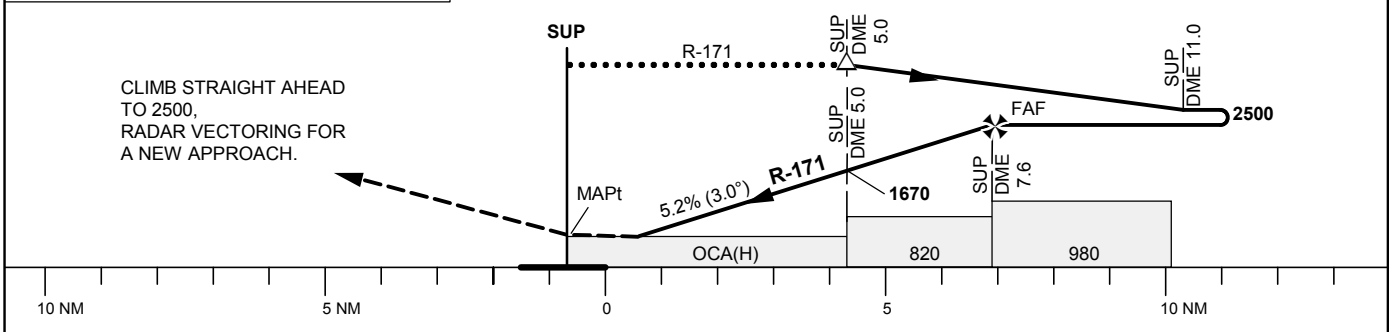
|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**VOR RWY 35**



**TA 5000 ft AMSL** Final APCH line offset 1° \*Timing not authorized for defining the MAPt

Special COM Failure procedures see AIP-AD 2



| Cat of ACFT          | OCA (H)  |          |          |           | Final approach<br>DME SUP NM | Distance FAF-MAPt 7.6 NM* |      |      |      |      |      |      |
|----------------------|----------|----------|----------|-----------|------------------------------|---------------------------|------|------|------|------|------|------|
|                      | A        | B        | C        | D         |                              | 7                         | 6    | 5    | 4    | 3    | 2    |      |
| Straight-in Approach | 690(460) |          |          |           | 2300                         | 1980                      | 1670 | 1350 | 1030 | 710  |      |      |
|                      |          |          |          |           | GS                           | kt                        | 80   | 100  | 120  | 140  | 160  | 180  |
|                      |          |          |          |           | Time                         | min:s                     | 5:44 | 4:35 | 3:49 | 3:16 | 2:52 | 2:33 |
| Circling             | 710(480) | 740(510) | 970(740) | 1100(870) | Rate of descent              | ft/min                    | 425  | 535  | 640  | 745  | 850  | 960  |

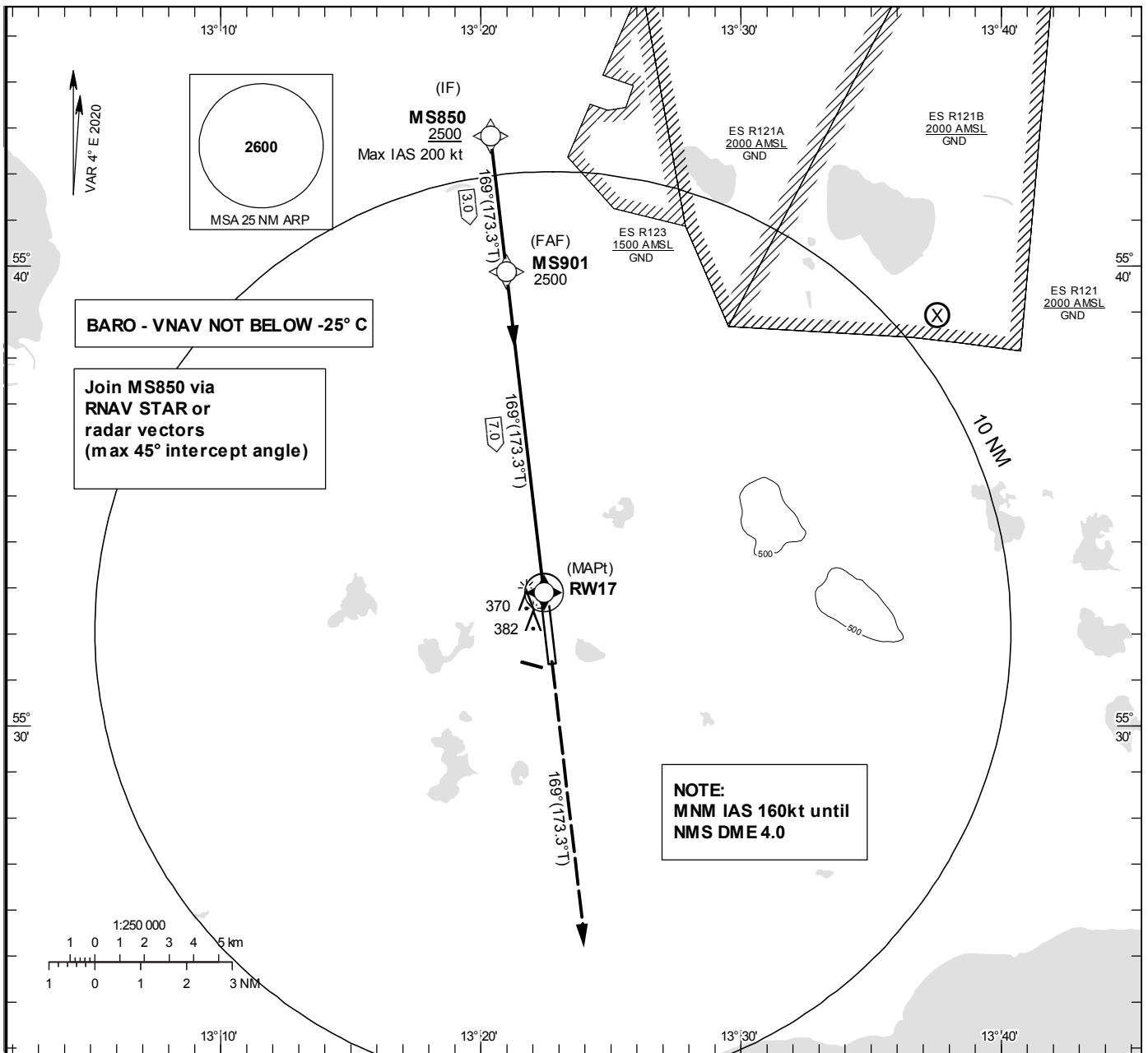
**INTENTIONALLY BLANK**

**INSTRUMENT APPROACH CHART – ICAO**

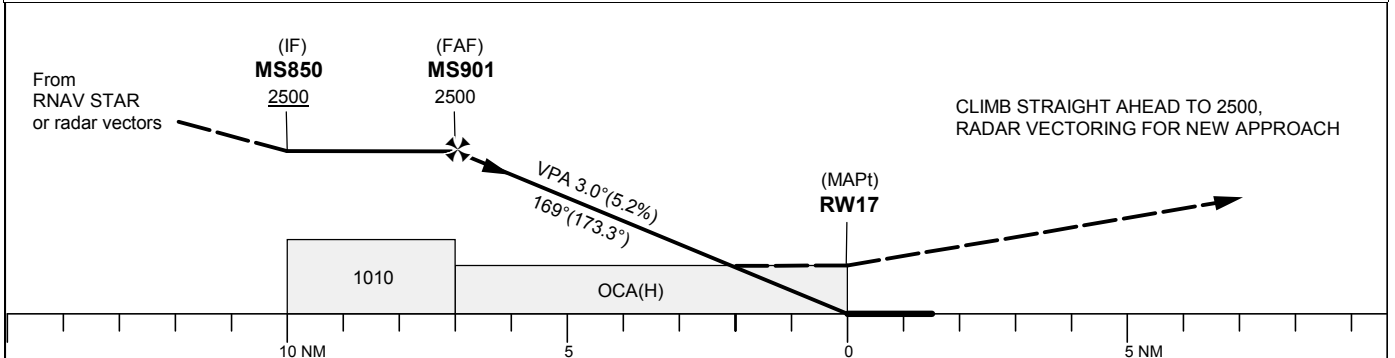
**THR ELEV 208.8 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 BRG are MAG (True).  
 ALT, HGT and ELEV in ft.

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**RNP z RWY 17**



TA 5000 ft AMSL RDH 50 ft



| Cat of ACFT | OCA (H)  |          |          |          | Final approach  | Distance FAF-MAPt 7.0 NM |      |      |      |     |     |     |
|-------------|----------|----------|----------|----------|-----------------|--------------------------|------|------|------|-----|-----|-----|
|             | A        | B        | C        | D        | Dist to RWY 17  | 6                        | 5    | 4    | 3    | 2   |     |     |
| LNAV/VNAV   | 520(320) | 530(330) | 540(340) | 550(350) | ALT             | 2170                     | 1850 | 1530 | 1210 | 900 |     |     |
| LNAV        | 620(420) |          |          |          | GS              | kt                       | 80   | 100  | 120  | 140 | 160 | 180 |
|             |          |          |          |          | Rate of descent | ft/min                   | 425  | 530  | 635  | 745 | 850 | 955 |

## RNP z RWY 17 via RNAV STAR or radar vectors

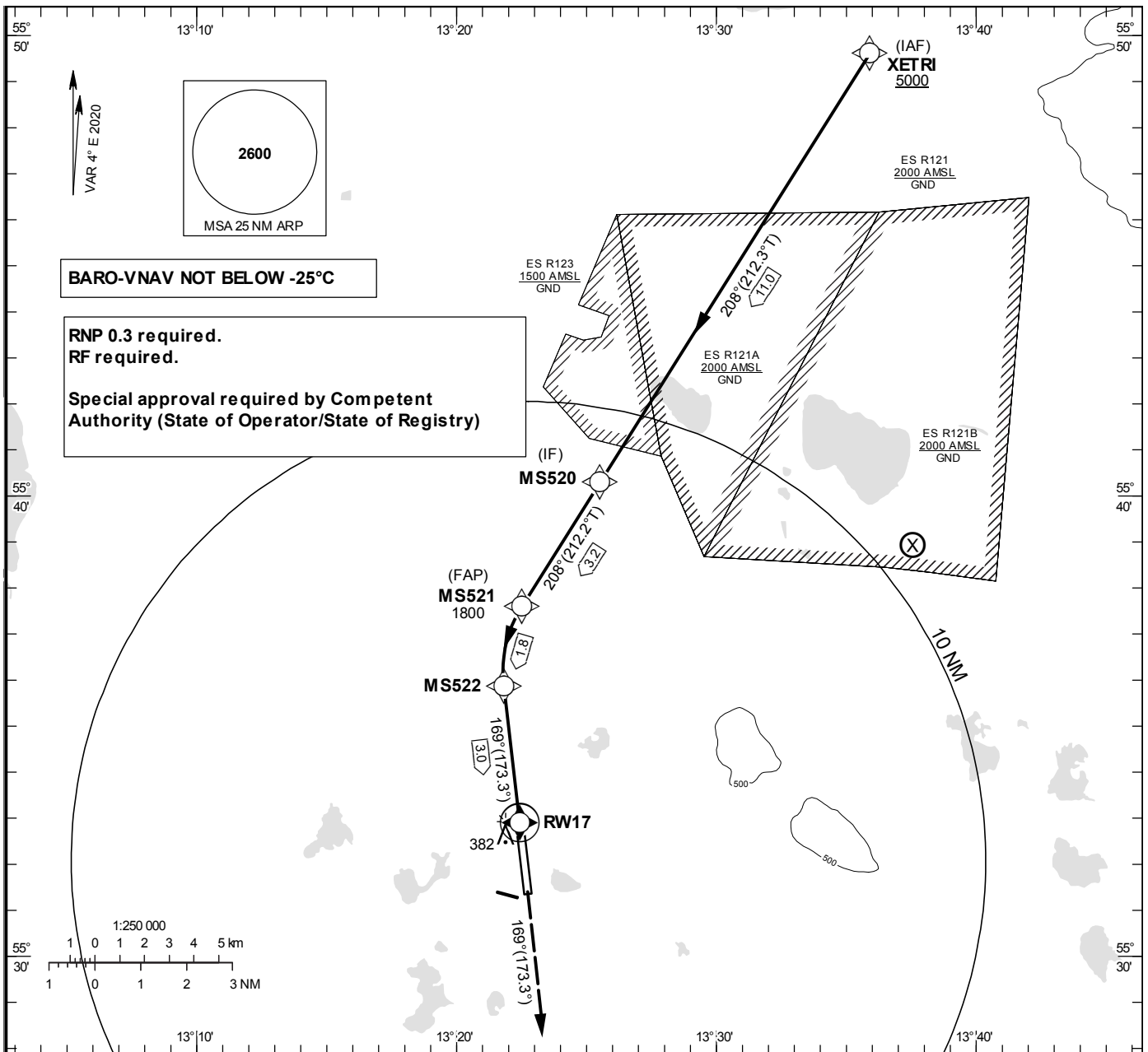
| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | MS850               | -        | -             | -         | -        | +2500    | -200  | -       | -          | RNP APCH                 |
| TF        | MS901               | -        | 169°(173.3°)  | 3.0       | -        | @2500    | -     | -       | -          | RNP APCH                 |
| TF        | RW17                | Y        | 169°(173.3°)  | 7.0       | -        | @259     | -     | -3.0/50 | -          | RNP APCH                 |
| CA        | -                   | -        | 169°(173.3°)  | -         | -        | +2500    | -     | -       | -          | RNP APCH                 |
| VM        | -                   | -        | 169°          | -         | -        | -        | -     | -       | -          | RNP APCH                 |

**INSTRUMENT APPROACH CHART – ICAO**

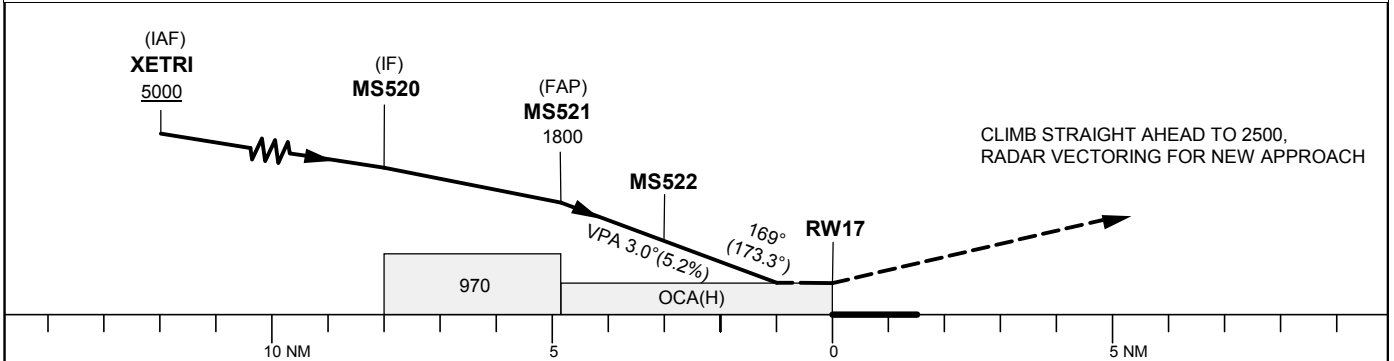
**THR ELEV 208.8 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 BRG are MAG (True).  
 ALT, HGT and ELEV in ft.

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**RNP y RWY 17 (AR)**



TA 5000 ft AMSL RDH 57 ft



| OCA (H)     |          |          |          |
|-------------|----------|----------|----------|
| Cat of ACFT | B        | C        | D        |
| RNP(0.3)    | 530(330) | 540(340) | 550(350) |

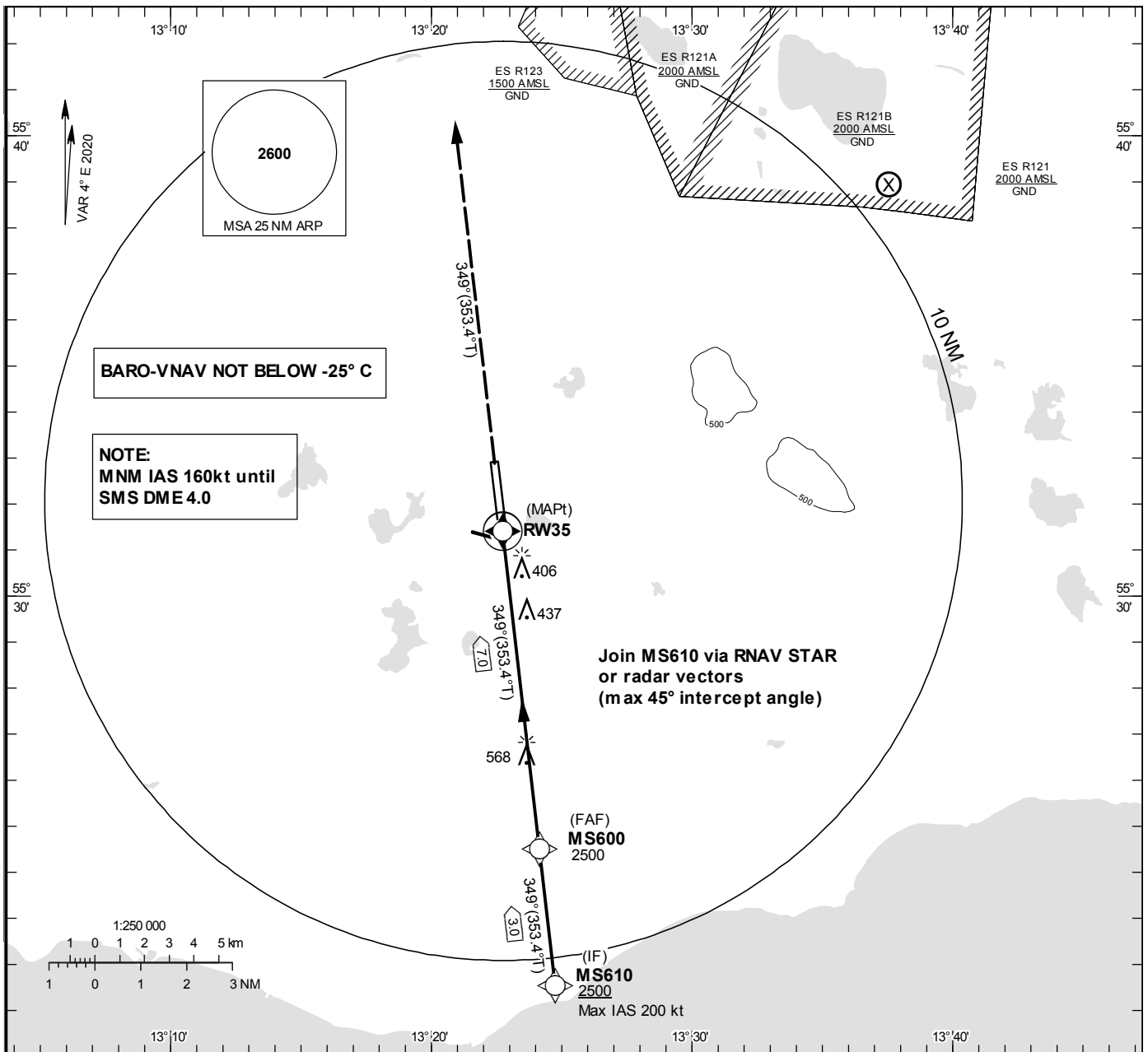
## RNP y RWY 17 (AR) via XETRI

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts | Speed Limits | VPA/RDH | Arc radius | Arc center | Rec NAV | Nav Spec |
|-----------|---------------------|----------|---------------|-----------|----------|-----------|--------------|---------|------------|------------|---------|----------|
| IF        | XETRI               | -        | -             | -         | -        | +5000     | -            | -       | -          | -          | -       | RNP 1.0  |
| TF        | MS520               | -        | 208°(212.3°)  | 11.0      | -        | -         | -            | -       | -          | -          | -       | RNP 1.0  |
| TF        | MS521               | -        | 208° (212.1°) | 3.2       | -        | @1800     | -            | -       | -          | -          | -       | RNP 0.3  |
| RF        | MS522               | -        | -             | -         | L        | -         | -            | -3.0    | 2.690      | ARC27      | -       | RNP 0.3  |
| TF        | RW17                | Y        | 169° (173.3°) | 3.0       | -        | @266      | -            | -3.0/57 | -          | -          | -       | RNP 0.3  |
| FA        | -                   | -        | 169° (173.3°) | -         | -        | 2500      | -            | -       | -          | -          | SUP     | RNP 1.0  |

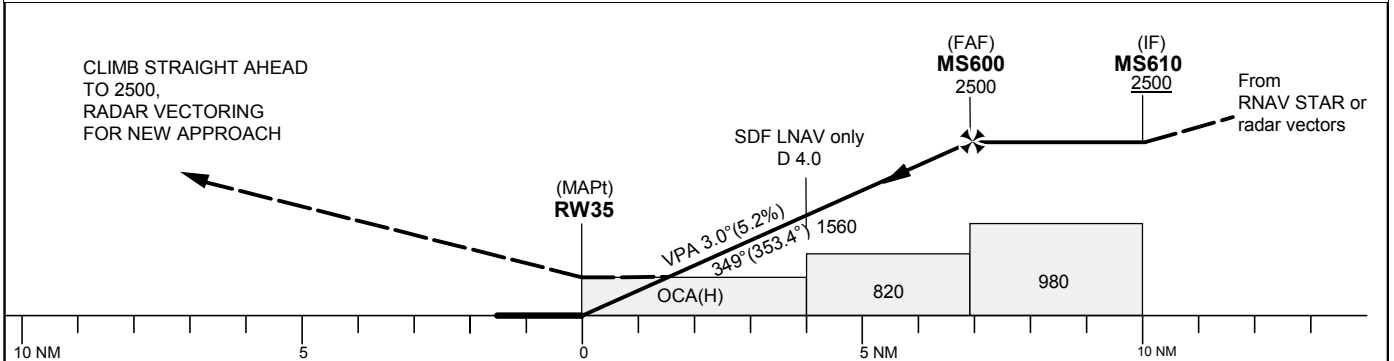
**INSTRUMENT APPROACH CHART – ICAO**  
**THR ELEV 236.3 ft, AD ELEV 237 ft**  
 OCH are related to THR.  
 BRG are MAG (True).  
 ALT, HGT and ELEV in ft.

|                |         |
|----------------|---------|
| STURUP TOWER   | 118.805 |
| SWEDEN CONTROL | 134.980 |
| STURUP ATIS    | 129.280 |

**RNP z RWY 35**



TA 5000 ft AMSL RDH 50 ft



| OCA (H)     |          |          |          |          | Final approach  |        | Distance FAF-MAPT 7.0 NM |      |      |     |     |     |
|-------------|----------|----------|----------|----------|-----------------|--------|--------------------------|------|------|-----|-----|-----|
| Cat of ACFT | A        | B        | C        | D        | Dist to RWY 35  | 6      | 5                        | 4    | 3    | 2   |     |     |
| LNAV/VNAV   | 540(310) | 550(320) | 560(330) | 570(340) | ALT             | 2200   | 1880                     | 1560 | 1240 | 920 |     |     |
| LNAV        | 690(460) |          |          |          | GS              | kt     | 80                       | 100  | 120  | 140 | 160 | 180 |
|             |          |          |          |          | Rate of descent | ft/min | 425                      | 530  | 635  | 745 | 850 | 955 |

## RNP z RWY 35 via RNAV STAR or radar vectors


| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | MS610               | -        | -             | -         | -        | +2500    | -200  | -       | -          | RNP APCH                 |
| TF        | MS600               | -        | 349°(353.4°)  | 3.0       | -        | @2500    | -     | -       | -          | RNP APCH                 |
| TF        | RW35                | Y        | 349°(353.4°)  | 7.0       | -        | @286     | -     | -3.0/50 | -          | RNP APCH                 |
| CA        | -                   | -        | 349°(353.4°)  | -         | -        | +2500    | -     | -       | -          | RNP APCH                 |
| VM        | -                   | -        | 349°          | -         | -        | -        | -     | -       | -          | RNP APCH                 |

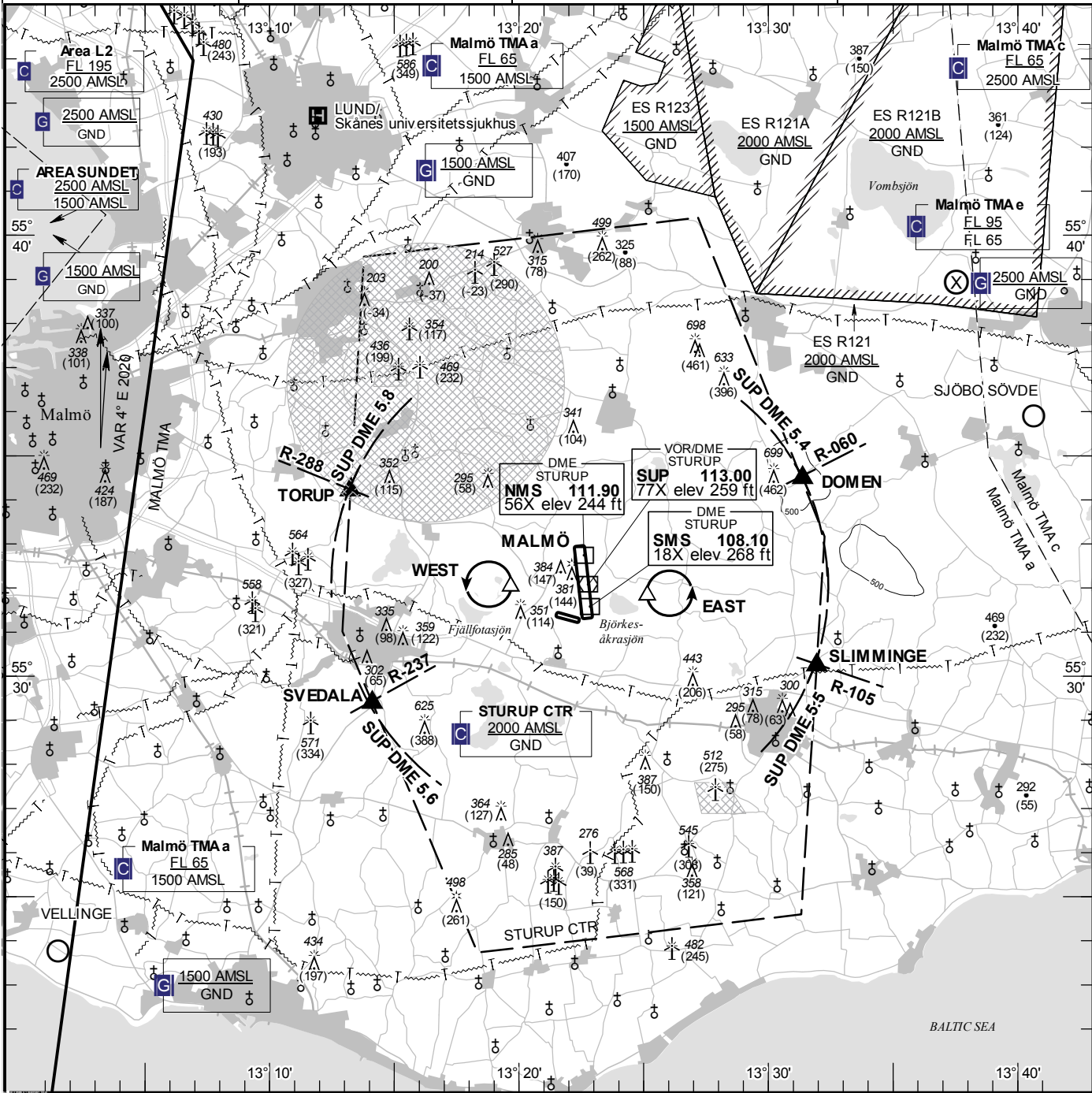




## RNP y RWY 35 (AR) via SITMU

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Rest Alts | Speed Limits | VPA/RDH | Arc radius | Arc center | Rec NAV | Nav Spec |
|-----------|---------------------|----------|---------------|-----------|----------|-----------|--------------|---------|------------|------------|---------|----------|
| IF        | SITMU               | -        | -             | -         | -        | +5000     | -            | -       | -          | -          | -       | RNP 1.0  |
| TF        | MS530               | -        | 185°(188.6°)  | 13.0      | -        | -         | -            | -       | -          | -          | -       | RNP 1.0  |
| TF        | MS550               | -        | 175°(179.3°)  | 4.0       | -        | @4000     | -            | -       | -          | -          | -       | RNP 0.3  |
| RF        | MS551               | -        | -             | -         | R        | -         | -            | -3.0    | 3.013      | ARC30      | -       | RNP 0.3  |
| TF        | RW35                | Y        | 349°(353.4°)  | 2.5       | -        | @288      | -            | -3.0/52 | -          | -          | -       | RNP 0.3  |
| FA        | -                   | -        | 349°(353.4°)  | -         | -        | 2500      | -            | -       | -          | -          | SUP     | RNP 1.0  |

|  |   |   |   |
|--|---|---|---|
| <b>VISUAL APPROACH CHART - ICAO</b><br>1:250000<br> | <b>AD ELEV 237 FEET</b><br>ELEV and ALT in ft<br>HGT in ft above AD ELEV<br><b>TA 5000 AMSL</b> | <b>STURUP TOWER 118.805</b><br><b>121.705</b><br><b>STURUP ATIS 129.280</b> | <b>AD 2 ESMS 6-1</b><br><br><b>MALMÖ SWEDEN</b> |
|--|---|---|---|



**Communication failure**

Aircraft outside CTR having received no clearance should land at an aerodrome outside CTR and obtain clearance by telephone for further flight to MALMÖ.

If no suitable aerodrome is within reach;

1. SQUAWK 7600
2. Enter CTR via DOMEN or SLIMMINGE to holding EAST at or below 1500 ft AMSL. Transmit blind your intentions.
3. Flash LDG-lights and watch for optical signals from signaling lamp, from the camera installation placed on top of the remote tower (position marked R-TWR on AD Chart) or from local tower.

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 17     | 208.8 ft | Left/3.00° (59 ft) |
| 35     | 236.3 ft | Left/3.00° (60 ft) |
| 11     | 232 ft   | NIL                |
| 29     | 228 ft   | NIL                |

**Entry / exit point**

|           |                  |
|-----------|------------------|
| DOMEN     | 553429N 0133122E |
| SLIMMINGE | 553014N 0133156E |
| SVEDALA   | 552923N 0131407E |
| TORUP     | 553412N 0131314E |

**Holding**

**WEST:** Hold west of the eastern shoreline of lake Fjällfotasjön, west of point 553206N 0131939E

**EAST:** Hold east of lake Björkesåkrasjön, east of point 553149N 0132509E

**Legend**

See GEN 2.3

**Remark**

NIL

LFV

CHANGE: ES R121, ES R121A, ES R121B. ES R123 new.

AIRAC AMDT 3/2024 **16 MAY 2024**

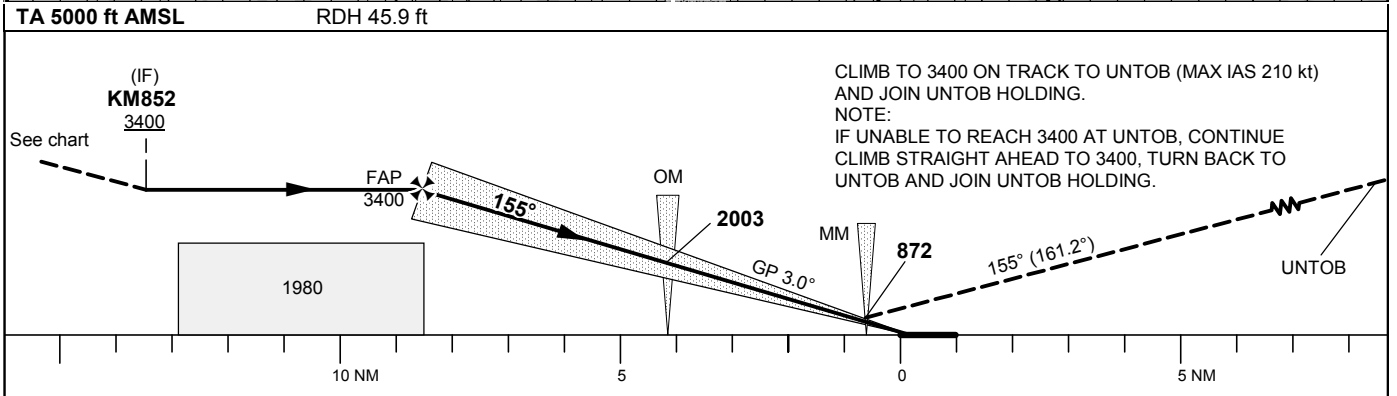
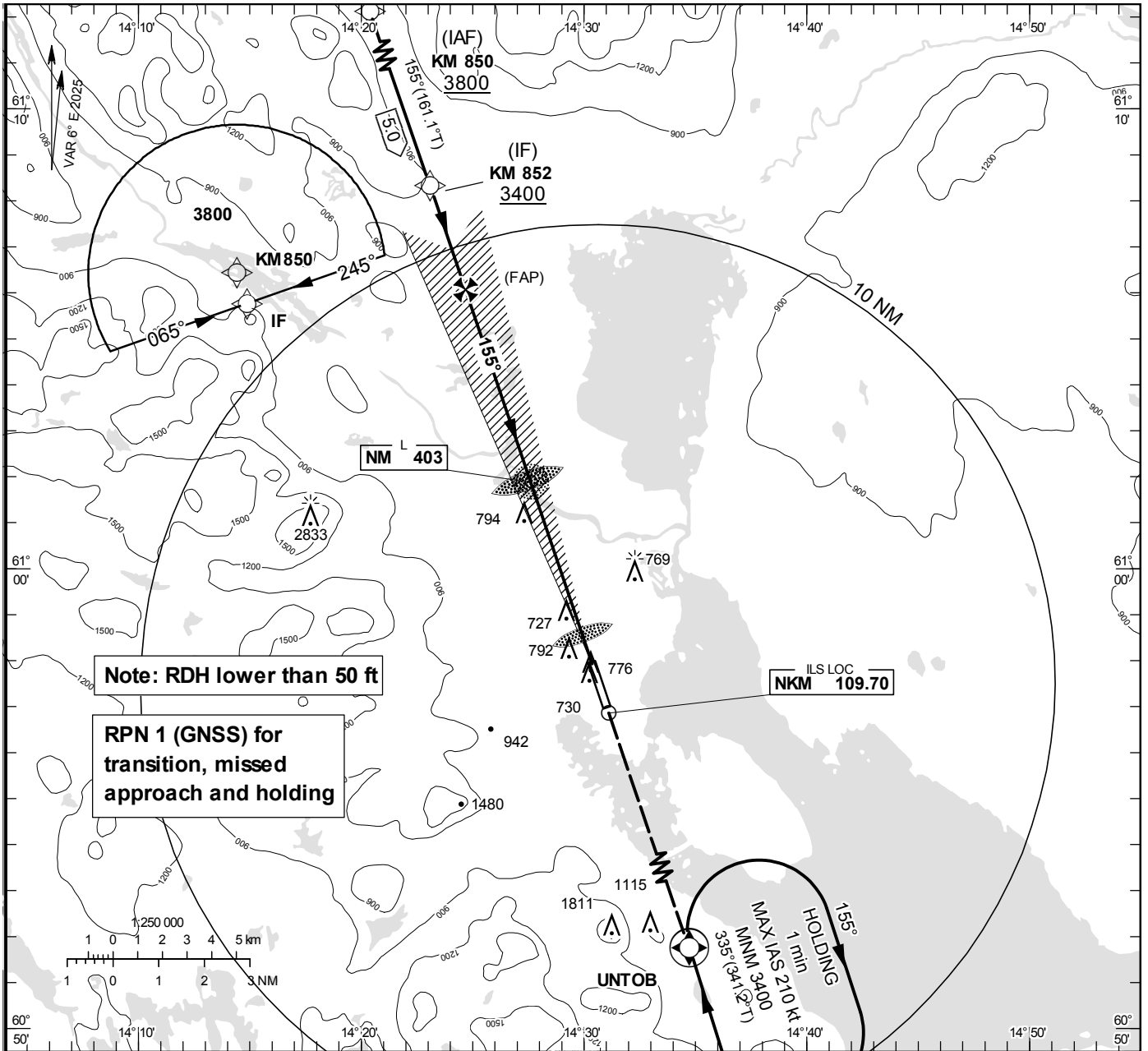


**INSTRUMENT  
APPROACH  
CHART – ICAO**

**THR ELEV 631.2 ft, AD ELEV 635 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT. HGT and ELEV in ft.

MORA INFORMATION 119.055

ILS z RWY 16



|                      |       | OCA (H)   |           |            |            |
|----------------------|-------|-----------|-----------|------------|------------|
| Cat of ACFT          |       | A         | B         | C          | D          |
| Straight-in Approach | CAT I | 779(147)  | 789(157)  | 798(166)   | 811(179)   |
| Circling             |       | 1090(460) | 1240(610) | 1880(1250) | 2210(1580) |
| Circling E RWY       |       | 1030(400) | 1130(500) | 1230(600)  | 1510(880)  |

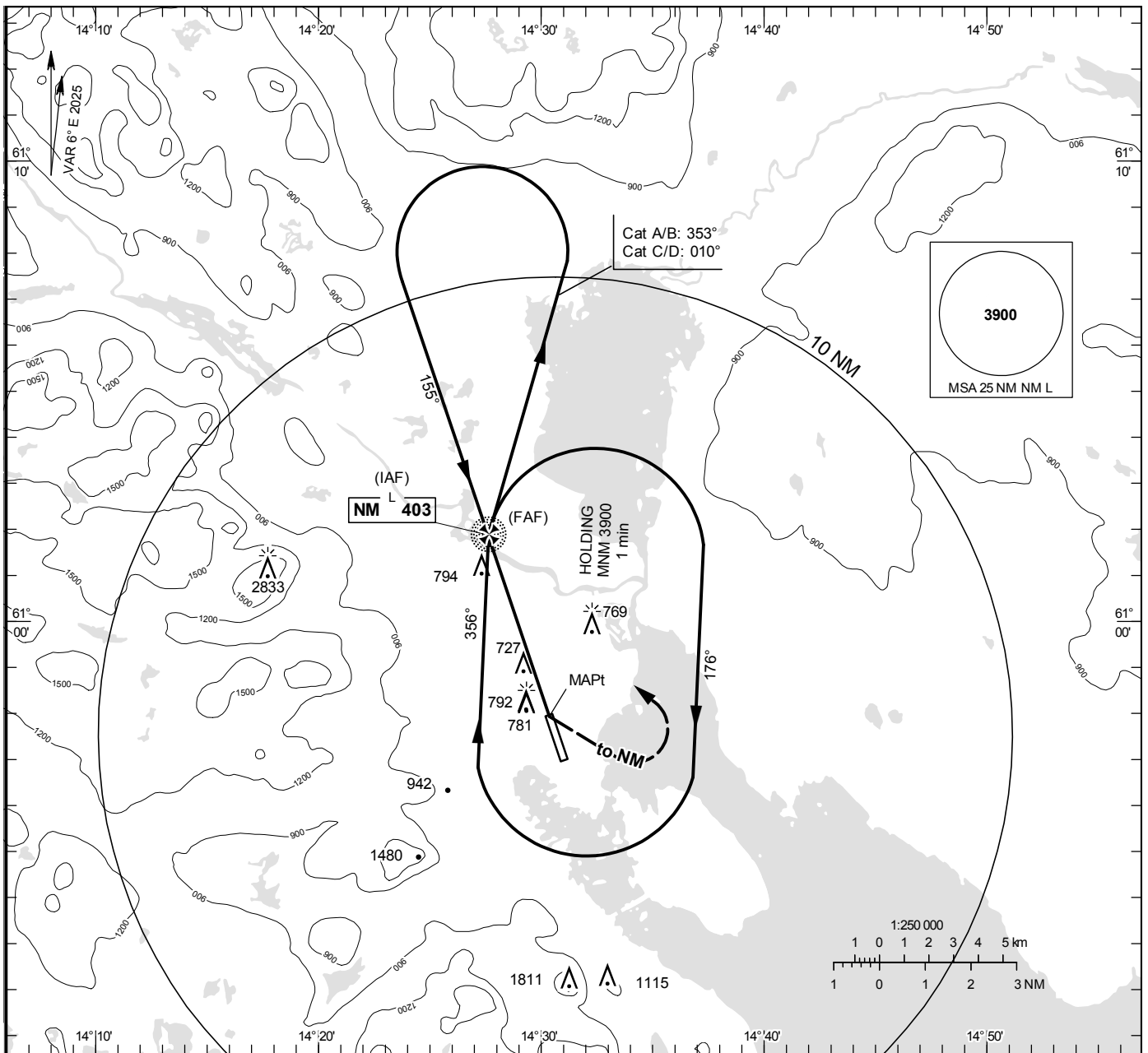


**INSTRUMENT  
APPROACH  
CHART – ICAO**

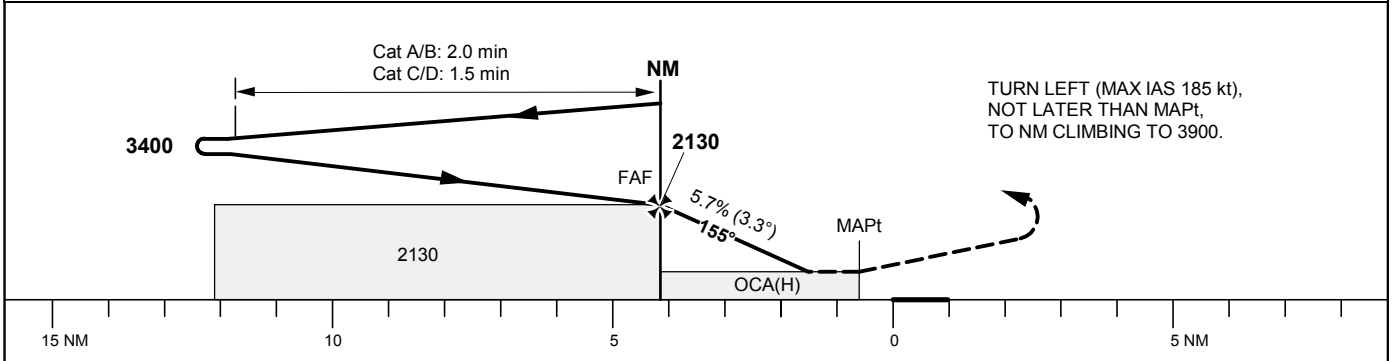
**THR ELEV 631.2 ft, AD ELEV 635 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT. HGT and ELEV in ft.

MORA INFORMATION 119.055

**NDB RWY 16**



**TA 5000 ft AMSL** Max speed within baseturn 230 kt IAS



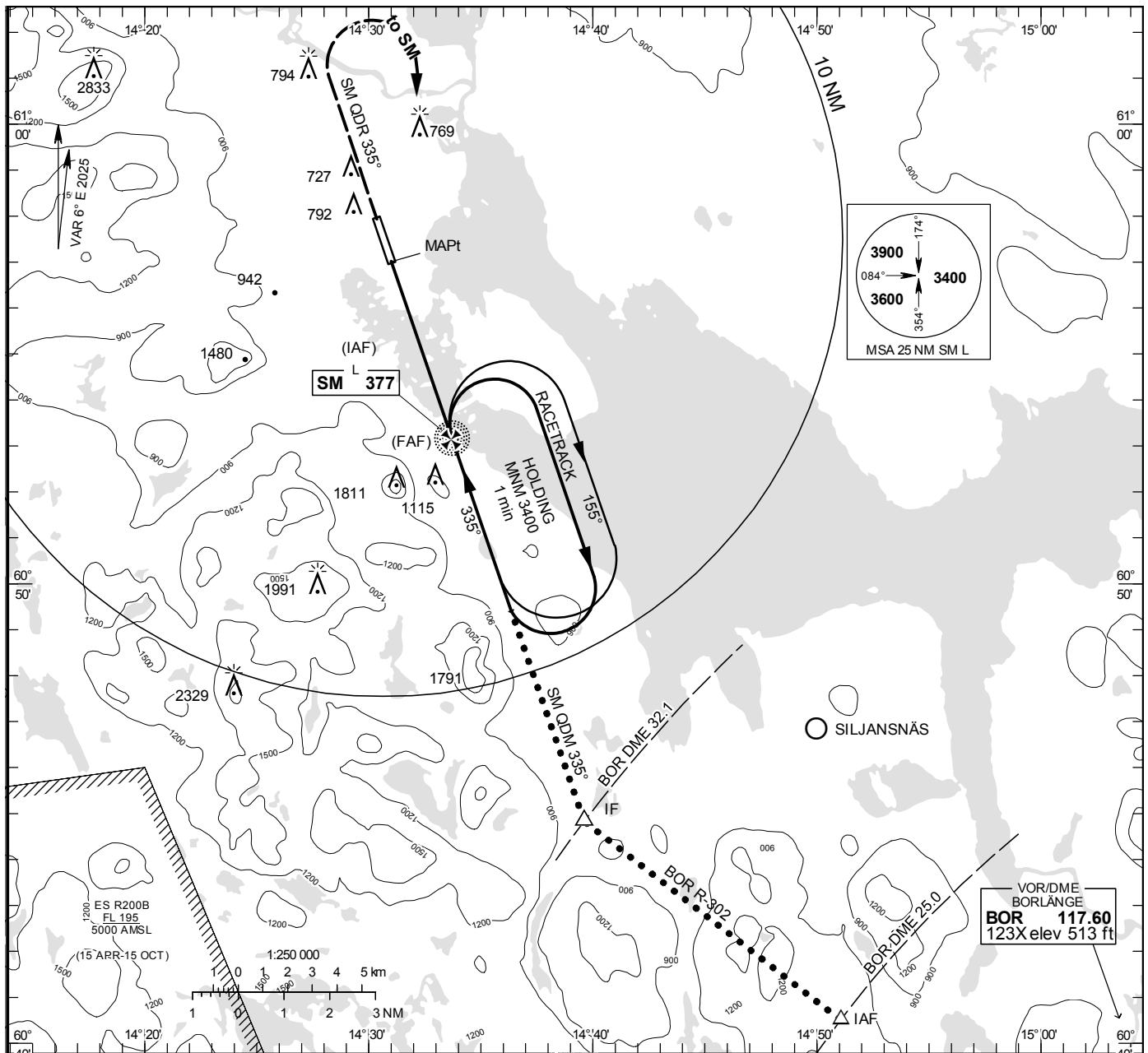
| OCA (H)              |           |           |            |            | Final approach Distance FAF-MAPt 4.2 NM |        |      |      |      |      |      |      |
|----------------------|-----------|-----------|------------|------------|---|--------|------|------|------|------|------|------|
| Cat of ACFT          | A         | B         | C          | D          | GS                                      | kt     | 80   | 100  | 120  | 140  | 160  | 180  |
| Straight-in Approach | 1040(410) |           |            |            | Time                                    | min:s  | 3:07 | 2:30 | 2:05 | 1:47 | 1:34 | 1:23 |
| Circling             | 1090(460) | 1240(610) | 1880(1250) | 2210(1580) | Rate of descent                         | ft/min | 465  | 580  | 695  | 810  | 930  | 1045 |
| Circling E RWY       | 1040(410) | 1130(500) | 1230(600)  | 1510(880)  |   |        |      |      |      |      |      |      |

NDB RWY 34

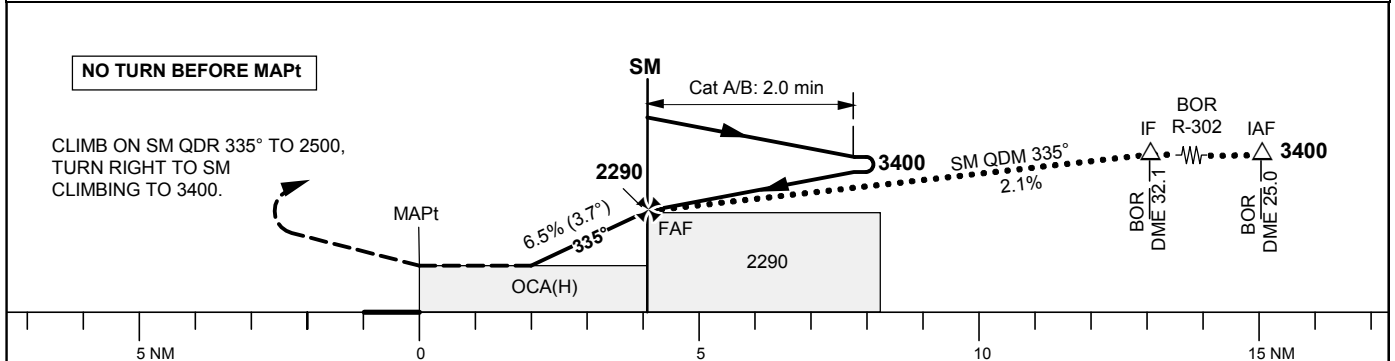
MORA INFORMATION 119.055

THR ELEV 618 ft, AD ELEV 635 ft  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG  
 ALT, HGT and ELEV in ft.

INSTRUMENT  
 APPROACH  
 CHART - ICAO



TA 5000 ft AMSL



| OCA (H)              |           | Final approach |                 |        |      | Distance FAF-MAPt 4.1 NM |      |      |  |
|----------------------|-----------|----------------|-----------------|--------|------|--------------------------|------|------|--|
| Cat of ACFT          | A         | B              | GS              | kt     | 80   | 100                      | 120  | 140  |  |
| Straight-in Approach | 1120(510) |                | Time            | min:s  | 3:04 | 2:27                     | 2:03 | 1:45 |  |
| Circling             | 1130(500) | 1240(610)      | Rate of descent | ft/min | 530  | 660                      | 795  | 925  |  |
| Circling E RWY       | 1130(500) |                |                 |        |      |                          |      |      |  |



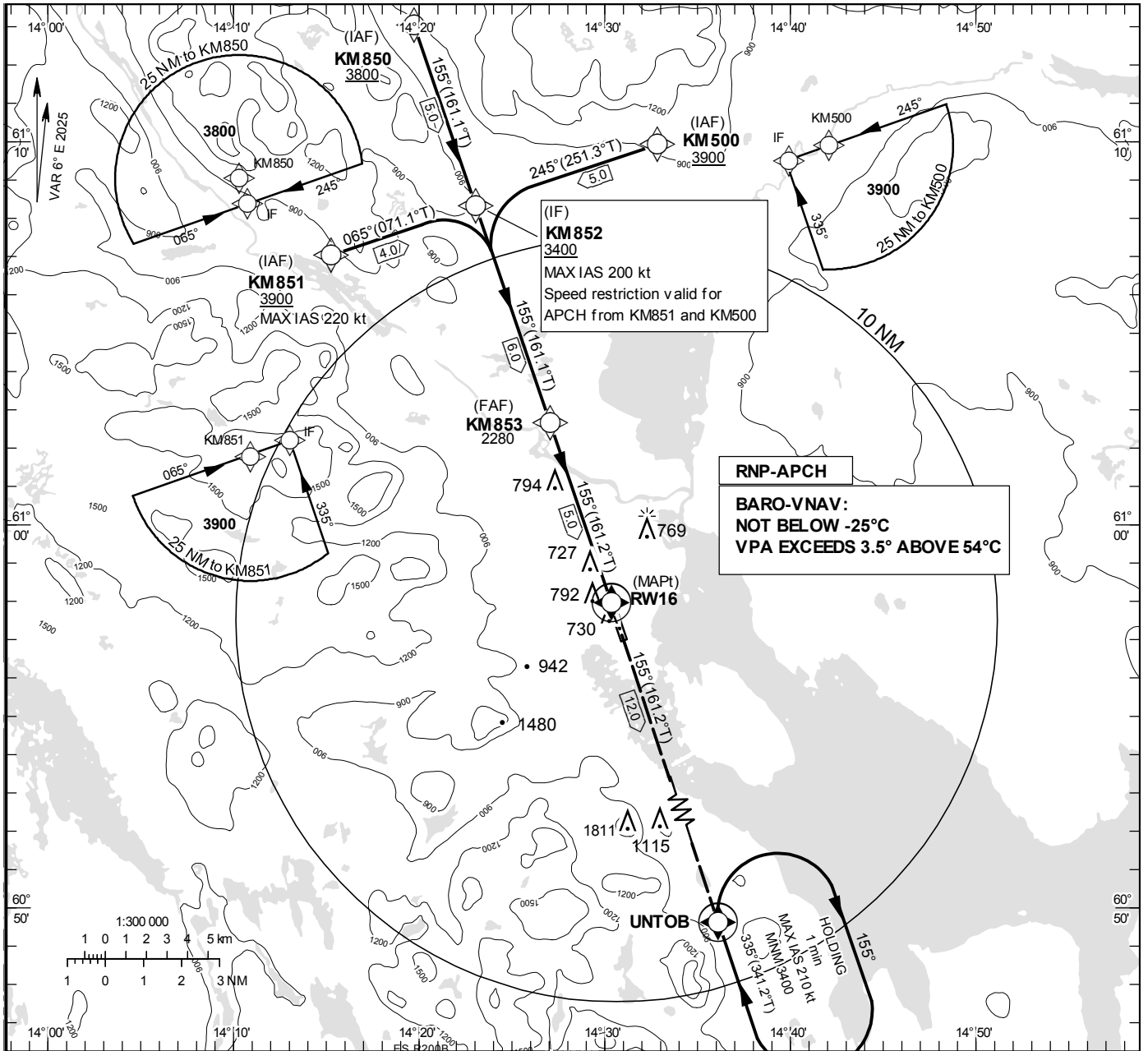
**INSTRUMENT  
APPROACH  
CHART – ICAO**

**THR ELEV 631.2 ft, AD ELEV 635 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV.  
 BRG are MAG (True).  
 ALT. HGT and ELEV in ft.

MORA INFORMATION 119.055

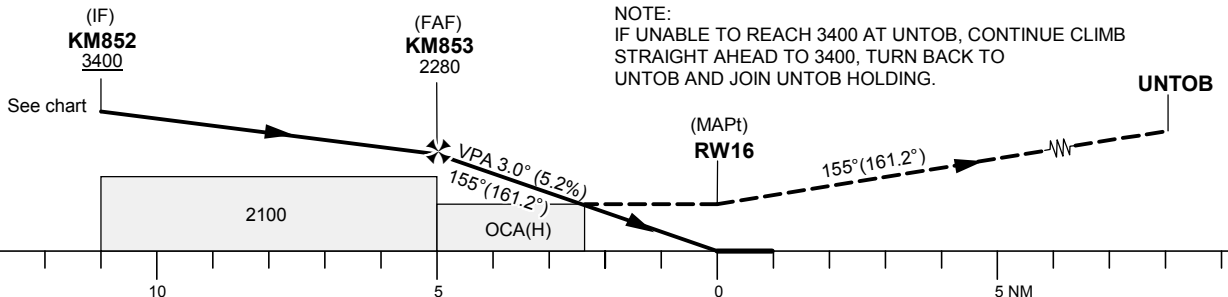
RNP RWY 16

EGNOS Ch 44283 E 16A



TA 5000 ft AMSL RDH 50.0 ft

CLIMB TO 3400 ON TRACK TO UNTOB (MAX IAS 210 kt) AND JOIN UNTOB HOLDING.  
 NOTE:  
 IF UNABLE TO REACH 3400 AT UNTOB, CONTINUE CLIMB STRAIGHT AHEAD TO 3400, TURN BACK TO UNTOB AND JOIN UNTOB HOLDING.



| Cat of ACFT    | OCA (H)   |           |            |            | Distance FAF-MAPt 5.0 NM |        |      |      |      |      |     |     |
|----------------|-----------|-----------|------------|------------|--------------------------|--------|------|------|------|------|-----|-----|
|                | A         | B         | C          | D          | Dist to RW16 (NM)        | 5      | 4    | 3    | 2    | 1    |     |     |
| LPV            | 860(229)  | 873(242)  | 881(250)   | 891(260)   | ALT                      | 2280   | 1950 | 1640 | 1320 | 1000 |     |     |
| LNAV/VNAV      | 997(366)  | 1009(378) | 1029(398)  | 1055(424)  | GS                       | kt     | 80   | 100  | 120  | 140  | 160 | 180 |
| LNAV           | 1200(570) |           |            |            | Rate of descent          | ft/min | 425  | 530  | 635  | 745  | 850 | 955 |
| Circling       | 1200(570) | 1240(610) | 1880(1250) | 2210(1580) |                          |        |      |      |      |      |     |     |
| Circling E RWY | 1200(570) | 1200(570) | 1230(600)  | 1510(880)  |                          |        |      |      |      |      |     |     |

## RNP RWY 16 via KM850

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM850               | -        | -             | -         | -        | +3800    | -     | -       | -          | RNP APCH                 |
| TF        | KM852               | -        | 155°(161.1°)  | 5.0       | -        | +3400    | -     | -       | -          | RNP APCH                 |

## RNP RWY 16 via KM851

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM851               | -        | -             | -         | -        | +3900    | -220  | -       | -          | RNP APCH                 |
| TF        | KM852               | -        | 065°(071.1°)  | 4.0       | -        | +3400    | -200  | -       | -          | RNP APCH                 |

## RNP RWY 16 via KM500

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM500               | -        | -             | -         | -        | +3900    | -     | -       | -          | RNP APCH                 |
| TF        | KM852               | -        | 245°(251.3°)  | 5.0       | -        | +3400    | -200  | -       | -          | RNP APCH                 |

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM852               | -        | -             | -         | -        | +3400    | -     | -       | -          | RNP APCH                 |
| TF        | KM853               | -        | 155°(161.1°)  | 6.0       | -        | +2280    | -     | -       | -          | RNP APCH                 |
| TF        | RW16                | Y        | 155°(161.2°)  | 5.0       | -        | @681     | -     | -3.0/50 | -          | RNP APCH                 |
| TF        | UNTOB               | Y        | 155°(161.2°)  | 12.0      | -        | -        | -210  | -       | -          | RNP APCH                 |

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| HM        | UNTOB               | Y        | 335°(341.2°)  | -         | R        | +3400    | -210  | -       | -          | RNAV 1                   |

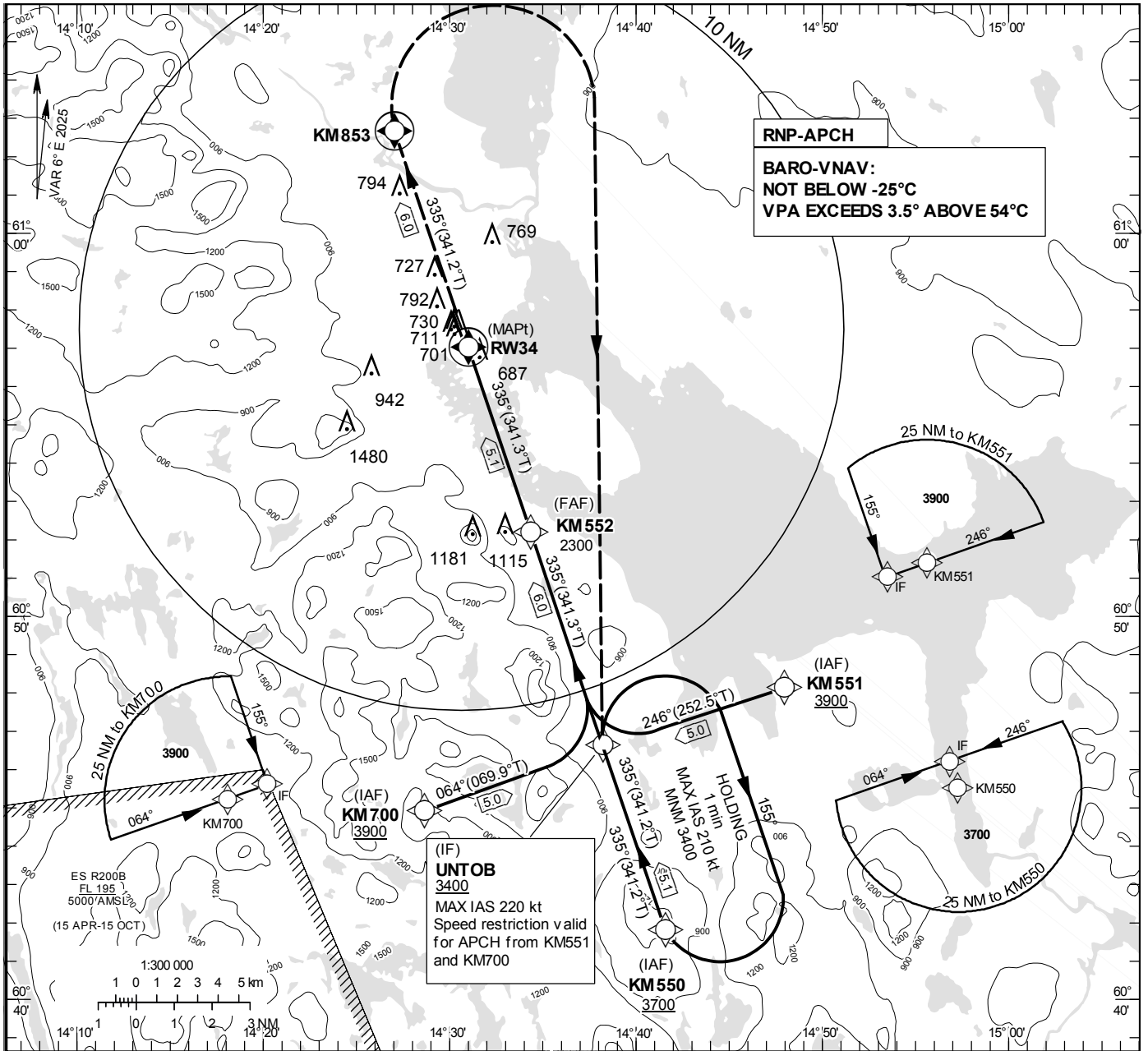
**INSTRUMENT APPROACH CHART – ICAO**

**THR ELEV 618 ft, AD ELEV 635 ft**  
 OCH are related to THR.  
 Circling OCH are related to AD ELEV  
 BRG are MAG (True).  
 ALT. HGT and ELEV in ft.

MORA INFORMATION 119.055

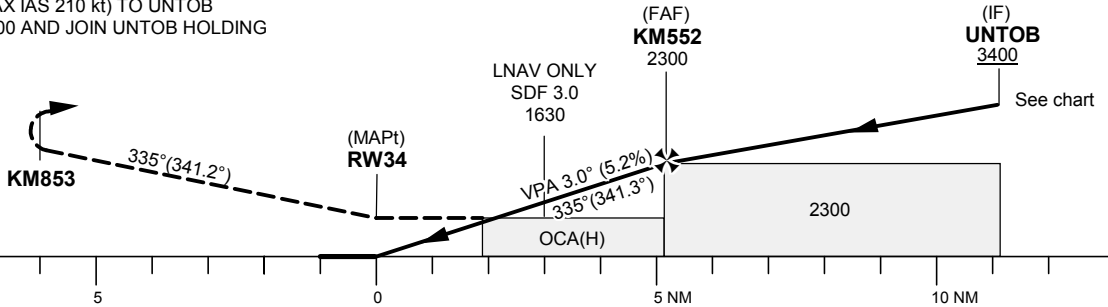
RNP RWY 34

EGNOS Ch 60007 E 34A



TA 5000 ft AMSL RDH 50.0 ft Note: PAPI (3.7°) not aligned with procedure (3.0°)

CLIMB TO KM853.  
 TURN RIGHT (MAX IAS 210 kt) TO UNTOB  
 CLIMBING TO 3400 AND JOIN UNTOB HOLDING



| Cat of ACFT    | OCA (H)   |           |            |            | Final approach<br>Dist to RW34 (NM) | Distance FAF-MAPt 5.1 NM |      |      |      |      |     |     |
|----------------|-----------|-----------|------------|------------|-------------------------------------|--------------------------|------|------|------|------|-----|-----|
|                | A         | B         | C          | D          |                                     | 1                        | 2    | 3    | 4    | 5    |     |     |
| LPV            | 860(242)  | 873(255)  | 881(263)   | 891(273)   | ALT                                 | 990                      | 1300 | 1620 | 1940 | 2260 |     |     |
| LNAV/VNAV      | 831(213)  | 843(225)  | 852(244)   | 891(273)   | GS                                  | kt                       | 80   | 100  | 120  | 140  | 160 | 180 |
| LNAV           | 940(330)  |           |            |            | Rate of descent                     | ft/min                   | 425  | 530  | 635  | 745  | 850 | 955 |
| Circling       | 1090(460) | 1240(610) | 1880(1250) | 2210(1580) |                                     |                          |      |      |      |      |     |     |
| Circling E RWY | 1030(400) | 1130(500) | 1230(600)  | 1510(880)  |                                     |                          |      |      |      |      |     |     |

## RNP RWY 34 via KM550

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM550               | -        | -             | -         | -        | +3700    | -     | -       | -          | RNP APCH                 |
| TF        | UNTOB               | -        | 335°(341.2°)  | 5.1       | -        | +3400    | -     | -       | -          | RNP APCH                 |

## RNP RWY 34 via KM700

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM700               | -        | -             | -         | -        | +3900    | -     | -       | -          | RNP APCH                 |
| TF        | UNTOB               | -        | 064°(069.9°)  | 5.0       | -        | +3400    | -220  | -       | -          | RNP APCH                 |

## RNP RWY 34 via KM551

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | KM551               | -        | -             | -         | -        | +3900    | -     | -       | -          | RNP APCH                 |
| TF        | UNTOB               | -        | 246°(252.5°)  | 5.0       | -        | +3400    | -220  | -       | -          | RNP APCH                 |

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| IF        | UNTOB               | -        | -             | -         | -        | +3400    | -     | -       | -          | RNP APCH                 |
| TF        | KM552               | -        | 335°(341.3°)  | 6.0       | -        | +2300    | -     | -       | -          | RNP APCH                 |
| TF        | RW34                | Y        | 335°(341.3°)  | 5.1       | -        | @668     | -     | -3.0/50 | -          | RNP APCH                 |
| TF        | KM853               | Y        | 335°(341.2°)  | 6.0       | -        | -        | -     | -       | -          | RNP APCH                 |
| DF        | UNTOB               | Y        | -             | -         | R        | +3400    | -210  | -       | -          | RNP APCH                 |

| Path Desc | Waypoint Identifier | Fly-over | Course °M(°T) | Dist (NM) | Turn Dir | Altitude | Speed | VPA/RDH | Rec Navaid | Navigation Specification |
|-----------|---------------------|----------|---------------|-----------|----------|----------|-------|---------|------------|--------------------------|
| HM        | UNTOB               | Y        | 335°(341.2°)  | -         | R        | +3400    | -210  | -       | -          | RNAV 1                   |

**VISUAL APPROACH CHART - ICAO**

1:250000

1 0 1 2 3 4 5 km

1 0 1 2 3 NM

**AD ELEV 635 FEET**

ELEV and ALT in ft  
HGT in ft above AD ELEV

**TA 5000 AMSL**

**MORA INFORMATION**

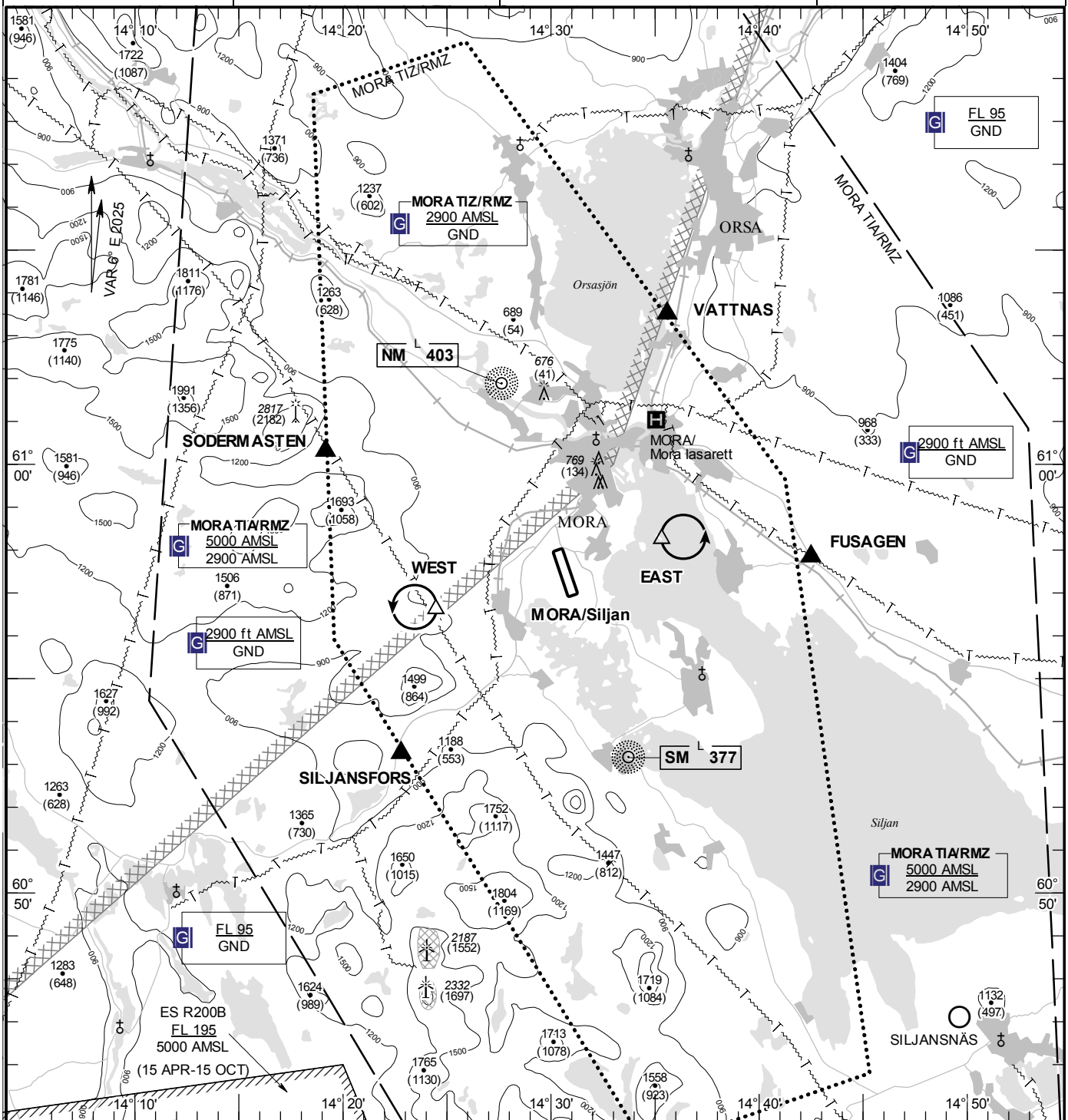
**MORA GROUND**

**119.055**

**131.655**

**AD 2 ESKM 6-1**

**MORA/Siljan SWEDEN**



**Communication failure**  
NIL

**Remark**  
NIL

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 16     | 631.2 ft | Left/3.00° (52 ft) |
| 34     | 618 ft   | Left/3.70° (46 ft) |

**Entry / exit point**

|             |                  |
|-------------|------------------|
| VATTNAS     | 610330N 0143535E |
| FUSAGEN     | 605750N 0144230E |
| SILJANSFORS | 605315N 0142248E |
| SODERMASTEN | 610018N 0141910E |

**Holding**

|              |   |
|--------------|---|
| <b>EAST:</b> | Hold east of Prästhholmarna, east of point 605815N 0143520E |
| <b>WEST:</b> | Hold west of Bergtäkt, west of point 605641N 0142427E       |

**Legend**  
See GEN 2.3

LFV

CHANGE: OBST

AIRAC AMDT 3/2024 **16 MAY 2024**

Reverse side intentionally blank



## AD 2 AERODROMES

## ESSP 2.1 AERODROME LOCATION INDICATOR AND NAME

## ESSP – NORRKÖPING/KUNGSÄNGEN

## ESSP 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

|    |  |  |
|----|--|--|
| 1. | ARP coordinates and site at AD               | 583510N 0161447E 090.9° GEO 850 m from THR 09  |
| 2. | Direction and distance from (city)           | E 1.5 NM from Norrköping   |
| 3. | Elevation/Reference temperature              | 32 ft/+23.0°C  |
| 4. | Geoid undulation at AD ELEV PSN              | 92 ft  |
| 5. | MAG VAR/Annual change                        | 6° E 2020/+0.2 increasing  |
| 6. | Administration, address, telephone, fax, AFS | Norrköping flygplats<br>SE-603 61 Norrköping<br>TEL: +46 (0)11 15 37 10<br>FAX: +46 (0)11 16 87 50<br>E-mail: operations@nrkairport.se<br>AFS: ESSPZTX<br>Website: www.norrkopingairport.com |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 4E, RWY 11/29 1A   |
| 8. | Remarks                                      | PPR: See ESSP 2.20   |

## ESSP 2.3 OPERATIONAL HOURS

|     |   |  |
|-----|---|--|
| 1.  | AD Administration<br>AD Operating hours | MON-FRI 0800-1600 (0700-1500)<br>As ATS                                      |
| 2.  | Customs and immigration                 | MON-FRI 0400-1700 (0300-1600)<br>HOL occurring MON-FRI 0400-1700 (0300-1600) |
| 3.  | Health and sanitation                   | -  |
| 4.  | AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc                                  |
| 5.  | ATS Reporting Office (ARO)              | As ATS   |
| 6.  | MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc                                  |
| 7.  | ATS                                     | Ref AIP SUP/NOTAM  |
| 8.  | Fuelling                                | As ATS   |
| 9.  | Handling                                | As ATS   |
| 10. | Security                                | As ATS   |
| 11. | De-icing                                | As ATS   |
| 12. | Remarks                                 | Increased charges outside TWR HR of OPS                                      |

#### ESSP 2.4 HANDLING SERVICES AND FACILITIES

- |    |  |  |
|----|--|--|
| 1. | Cargo-handling facilities              | Band conveyor, fork lift, cargo highloader (MDL) |
| 2. | Fuel/oil types                         | Fuel Jet A1<br>Oil -                             |
| 3. | Fuelling facilities/discharge capacity | Jet A1: 110,000 l                                |
| 4. | De-icing facilities                    | Available, Type I and II                         |
| 5. | Hangar space for visiting ACFT         | -  |
| 6. | Repair facilities for visiting ACFT    | Limited, light aircraft                          |
| 7. | Remarks                                | Fuel supplier Shell                              |

#### ESSP 2.5 PASSENGER FACILITIES

- |    |                      |                    |
|----|----------------------|--------------------|
| 1. | Hotels               | In Norrköping      |
| 2. | Restaurants          | At AD              |
| 3. | Transportation       | Taxis, rental cars |
| 4. | Medical facilities   | In Norrköping      |
| 5. | Bank and Post Office | In Norrköping      |
| 6. | Tourist Office       | In Norrköping      |
| 7. | Remarks              | -                  |

#### ESSP 2.6 RESCUE AND FIRE FIGHTING SERVICES

- |    |   |  |
|----|---|--|
| 1. | AD category for fire fighting               | CAT 7 for SKED commercial passenger flight.<br>CAT 5 for NON-SKED commercial flight, 8 min PN. Higher O/R.<br>Other traffic O/R, 8 min PN. |
| 2. | Rescue equipment                            | By arrangement   |
| 3. | Capability for removal of disabled aircraft | By arrangement, suitable for aircraft up to B767.<br>Contact maintenance manager +46(0)725 74 70 31.                                       |
| 4. | Remarks                                     | -  |

#### ESSP 2.7 SEASONAL AVAILABILITY – CLEARING

- |    |                             |   |
|----|-----------------------------|---|
| 1. | Types of clearing equipment | Ploughs, blowers, sweepers, spreaders   |
| 2. | Clearance priorities        | RWY, TWY, Apron. RWY 11/29 not cleared  |
| 3. | Remarks                     | RWY and TWY de-iced with SAND/KFOR/UREA |



## AD 2 AERODROMES

## ESDF 2.1 AERODROME LOCATION INDICATOR AND NAME

## ESDF – RONNEBY

## ESDF 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

- |    |  |  |
|----|--|--|
| 1. | ARP coordinates and site at AD               | 561600N 0151554E RWY centre point  |
| 2. | Direction and distance from (city)           | N 5 NM from Ronneby  |
| 3. | Elevation/Reference temperature              | 191 ft/+18.5°C   |
| 4. | Geoid undulation at AD ELEV PSN              | 109 ft   |
| 5. | MAG VAR/Annual change                        | 5° E 2020/+0.2 increasing  |
| 6. | Administration, address, telephone, fax, AFS | MIL AD: FM/Swedish Armed Forces<br>F17 Ronneby<br>SE-372 25 Ronneby<br>TEL: +46 (0)457 47 10 00<br>+46 (0)709 14 26 66 (MIL OPS)<br>FAX: +46 (0)457 47 14 23 (MIL OPS)<br>E-mail: f17-milairporthandling@mil.se (MIL OPS)<br>CIV OPR: Swedavia AB<br>Ronneby Airport<br>SE-372 92 Ronneby<br>TEL: +46 (0)10 109 54 00<br>FAX: +46 (0)457 245 84<br>E-mail: ronnebyairport@swedavia.se<br>AFS: ESDFZTZX<br>Website: www.ronnebyairport.se |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 4D   |
| 8. | Remarks                                      | PPR outside TWR hours.<br>MIL PPR. Foreign state ACFT, diplomatic clearance required   |

## ESDF 2.3 OPERATIONAL HOURS

- |     |   |   |
|-----|---|---|
| 1.  | AD Administration<br>AD Operating hours | MON-FRI 0600-1430 (0500-1330)<br>MON-FRI 0415-2200 (0315-2100), SAT 0600-1200 (0500-1100),<br>SUN 1100-2200 (1000-2100) |
| 2.  | Customs and immigration                 | O/R TEL +46 (0)40 661 32 20<br>Immigration O/R  |
| 3.  | Health and sanitation                   | -   |
| 4.  | AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc   |
| 5.  | ATS Reporting Office (ARO)              | As ATS  |
| 6.  | MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc   |
| 7.  | ATS                                     | Ref AIP SUP/NOTAM   |
| 8.  | Fuelling                                | As AD Operating hours   |
| 9.  | Handling                                | As AD Operating hours<br>Passangerhandling O/R  |
| 10. | Security                                | O/R 5 banking days PN   |
| 11. | De-Icing                                | As AD Operating hours   |
| 12. | Remarks                                 | Increased charges outside TWR HR of OPS   |

**ESDF 2.4 HANDLING SERVICES AND FACILITIES**

|    |  |  |
|----|--|--|
| 1. | Cargo-handling facilities              | Available O/R  |
| 2. | Fuel/oil types                         | Fuel Jet A1<br>Oil -   |
| 3. | Fuelling facilities/discharge capacity | Jet A1: Stationary unit 110,000 l, 600 l/min   |
| 4. | De-icing facilities                    | Type I and II, mobile unit   |
| 5. | Hangar space for visiting ACFT         | -  |
| 6. | Repair facilities for visiting ACFT    | -  |
| 7. | Remarks                                | Fuel supplier AirBP Jet A1 Swedavia Ramp Groundhandling<br>TEL +46 (0)10 109 55 96, +46 (0)733 85 32 81,<br>FAX +46 (0)457 245 85<br>AirBP accept only BP-Sterling card or Fuel Release as form of<br>payment. Cash or credit card are not accepted.<br>Passenger handling by Swedavia<br>rnb.groundhandling@swedavia.se, TEL +46 (0)10 109 54 00<br>Handling services and facilities, 5 days PPR<br>TEL +46 (0)10 109 55 96 |

**ESDF 2.5 PASSENGER FACILITIES**

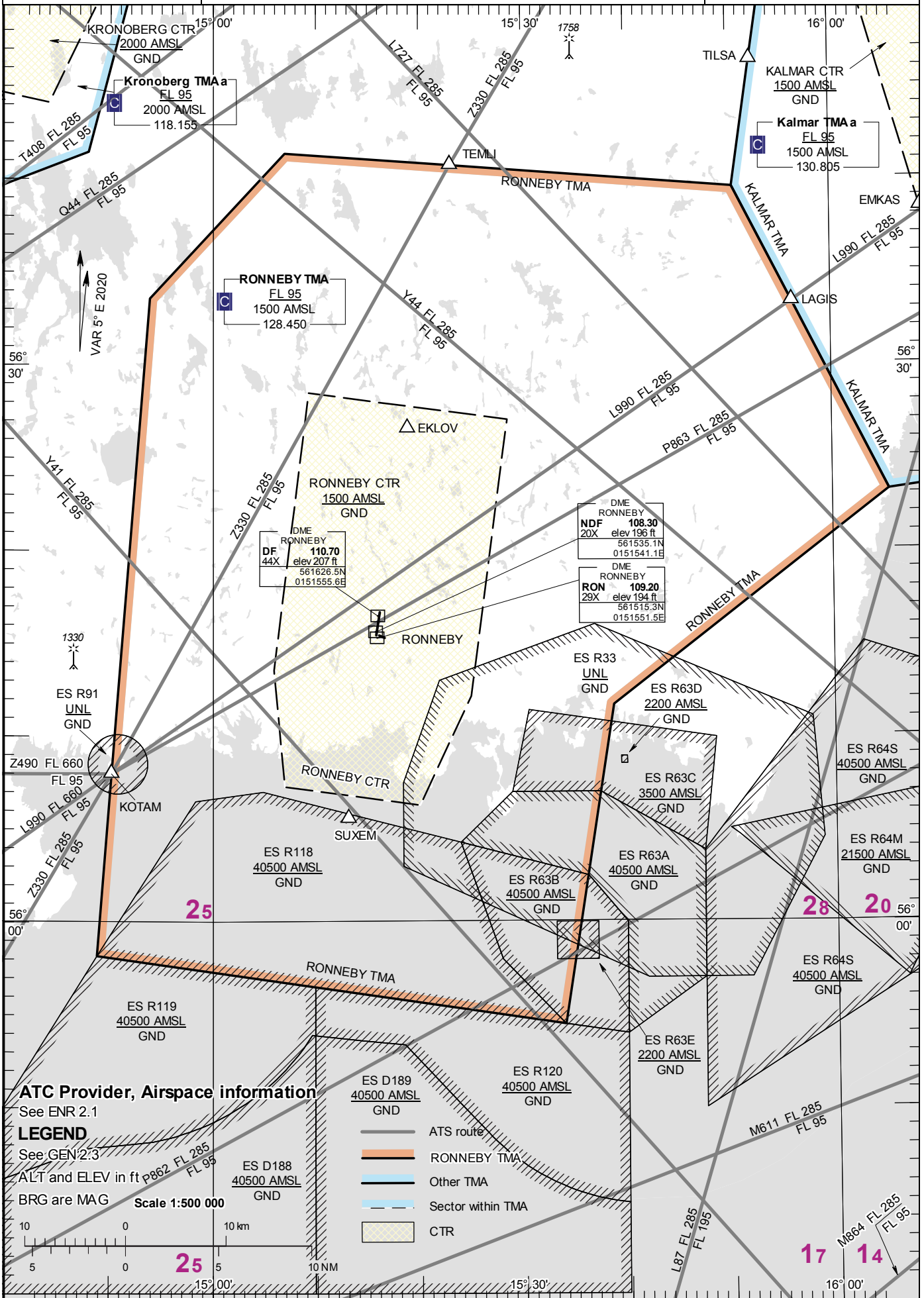
|    |                      |            |
|----|----------------------|------------|
| 1. | Hotels               | In Ronneby |
| 2. | Restaurants          | In Ronneby |
| 3. | Transportation       | O/R        |
| 4. | Medical facilities   | In Ronneby |
| 5. | Bank and Post Office | In Ronneby |
| 6. | Tourist Office       | In Ronneby |
| 7. | Remarks              | -          |

**ESDF 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|    |   |   |
|----|---|---|
| 1. | AD category for fire fighting               | CAT 6 / CAT 8 O/R                           |
| 2. | Rescue equipment                            | Tracked vehicle, rescue boat, MIL equipment |
| 3. | Capability for removal of disabled aircraft | By arrangement, MIL equipment available     |
| 4. | Remarks                                     | -   |

**ESDF 2.7 SEASONAL AVAILABILITY – CLEARING**

|    |                             |   |
|----|-----------------------------|---|
| 1. | Types of clearing equipment | Sweepers, blowers, snow ploughs, slingers and spreaders |
| 2. | Clearance priorities        | RWY, TWY, Apron   |
| 3. | Remarks                     | RWY and TWYs de-iced with UREA                          |

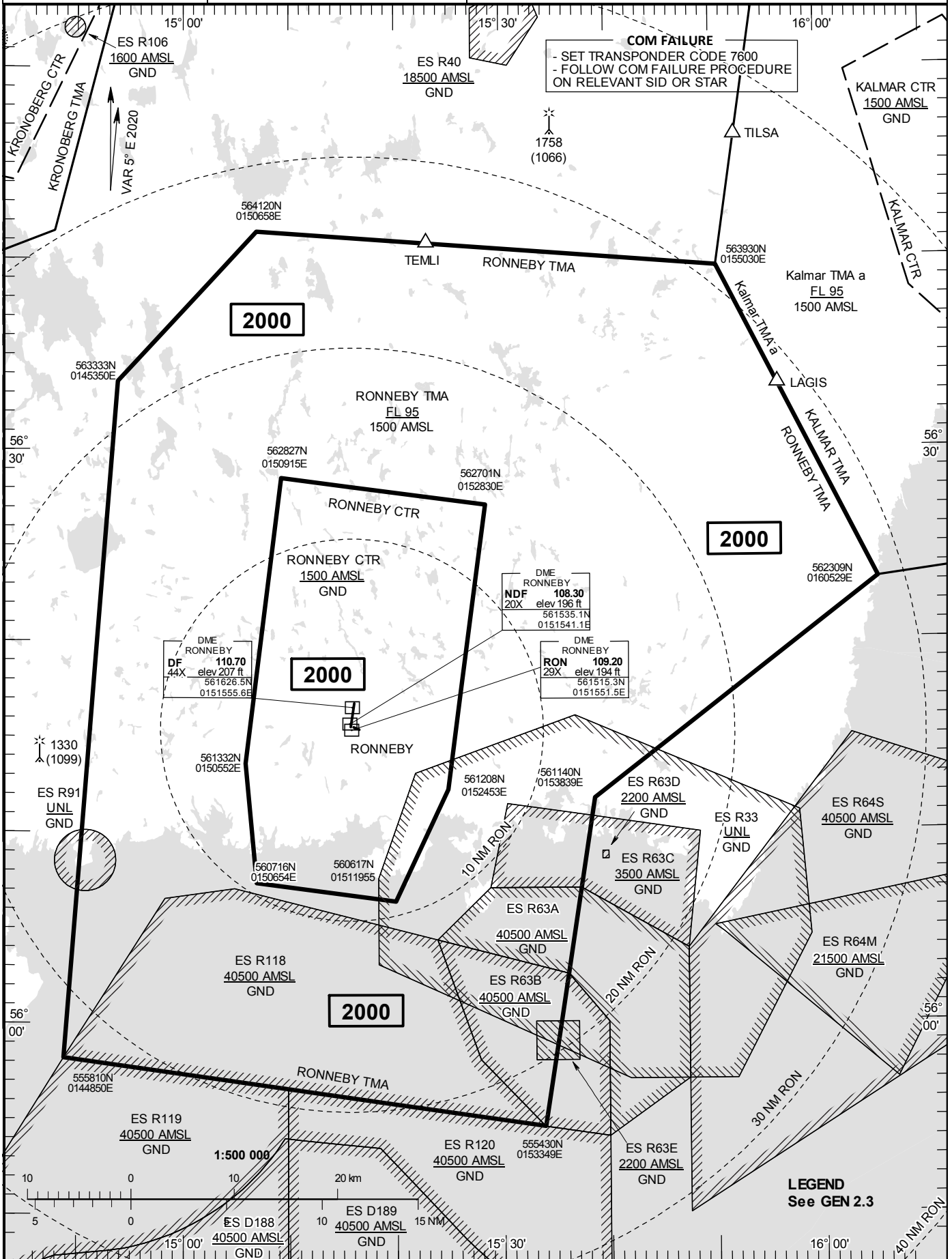




AD ELEV 191 FEET  
HGT and ALT in ft  
TA 5000 AMSL

RONNEBY TOWER 119.200  
RONNEBY GROUND 121.850  
RONNEBY APPROACH 128.450

THIS CHART MAY ONLY BE USED FOR CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST IN RECEIPT OF RADAR SERVICE LEVELS ASSIGNED BY ATC INCLUDE A CORRECTION FOR LOW TEMPERATURE EFFECT





**VISUAL APPROACH CHART - ICAO**

1:250000



**AD ELEV 191 FEET**

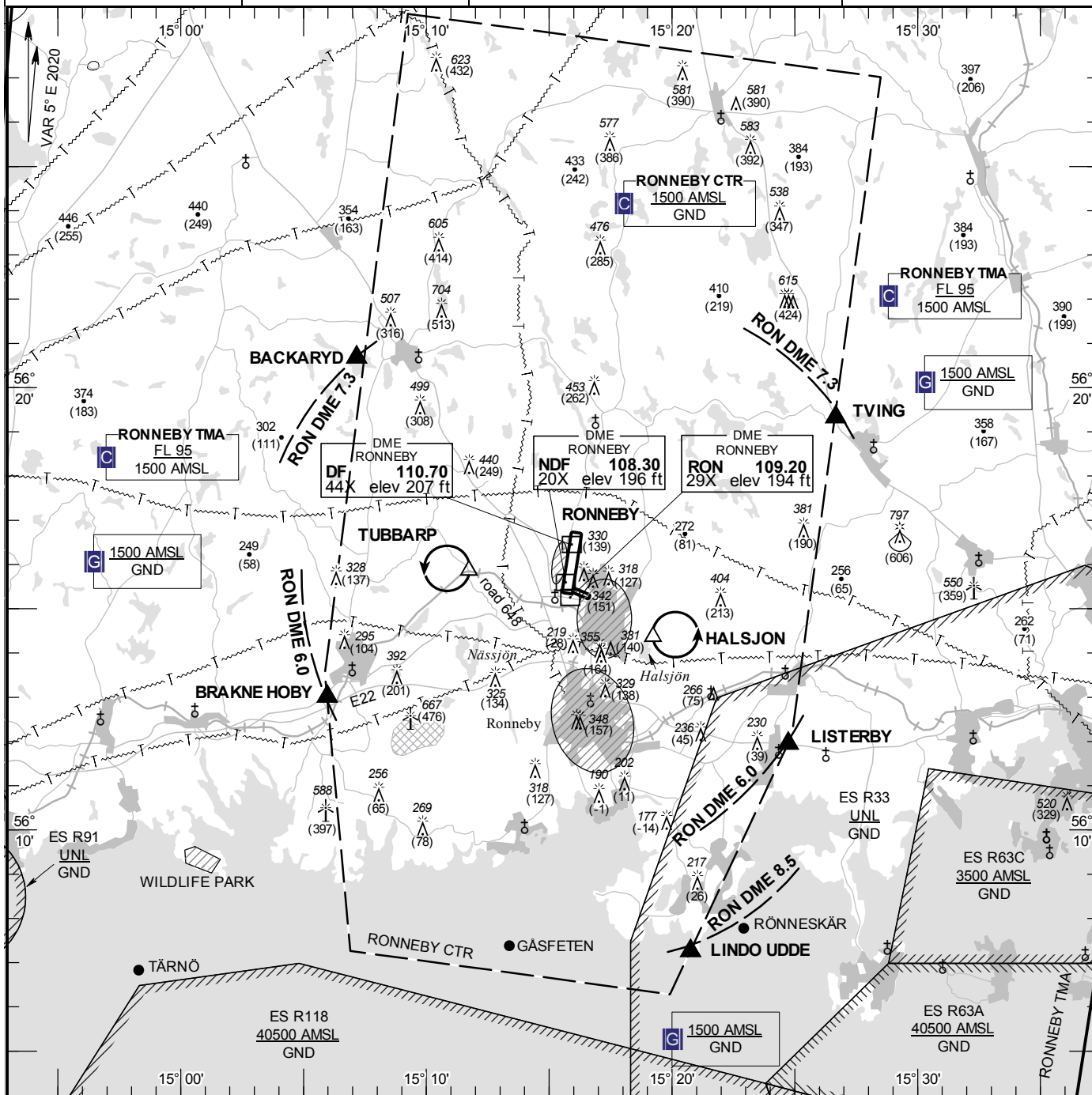
ELEV and ALT in ft  
HGT in ft above AD ELEV

**TA 5000 AMSL**

**RONNEBY TOWER 119.200**  
**RONNEBY GROUND 121.850**  
**RONNEBY APPROACH 128.450**

**AD 2 ESDF 6-1**

**RONNEBY SWEDEN**



**Communication failure**

- 1 SQUAWK 7600
- 2 Enter CTR via LISTERBY – Holding HALSJON or via BRAKNE HOBY – holding TUBBARP at or below 1000 ft AMSL to traffic circuit. Transmit blind your intentions.
- 3 Flash LDG-lights and watch TWR for optical signals.

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 01     | 181.3 ft | Left/3.00° (59 ft) |
| 19     | 188.2 ft | Left/3.00° (71 ft) |

**Legend**  
See GEN 2.3

**Remark/Warning**

Noise sensitive areas should be avoided below 1500 ft AMSL.

**Entry / exit point**

|             |                  |
|-------------|------------------|
| BACKARYD    | 562040N 0150710E |
| TVING       | 561919N 0152640E |
| LISTERBY    | 561156N 0152444E |
| LINDO UDDE  | 560715N 0152045E |
| BRAKNE HOBY | 561300N 0150558E |

**Holding**

**HALSJON:** Hold north of powerline and east of lake Halsjön, east of point 561421N 0151914E  
**TUBBARP:** Hold west of pylon at intersection of road 648 and railway, west of point 561551N 0151143E





|  |  |  |                                       |
|--|--|--|---------------------------------------|
| 2.   | Avgående IFR trafik                        | 2.   | Outbound IFR traffic                  |
| 2.1  | Planering                                  | 2.1  | Planning                              |
| Avgående trafik ska planera via följande TMA punkter; ARS, BABAP, PETEV, KOGAV, TOVRI, NOSLI, RESNA och TRS.   |  | Outbound traffic shall be planned via following exit points: ARS, BABAP, PETEV, KOGAV, TOVRI, NOSLI, RESNA and TRS.  |                                       |
| 2.1.1  | Avgående trafik mot ESSB                   | 2.1.1  | Outbound traffic destination ESSB     |
| Trafik ska planeras via SBA. Klarering kommer att innehålla informationer om SID eller vektorering beroende på bana i användning på STOCKHOLM/Arlanda och STOCKHOLM/Bromma   |  | Traffic shall be flight planned via SBA. Clearance will be given on SID or vectoring in accordance with runway in use at STOCKHOLM/Arlanda and STOCKHOLM/Bromma.   |                                       |
| 2.1.2  | Avgående trafik mot ESCM                   | 2.1.2  | Outbound traffic destination ESCM     |
| Trafik ska planeras via KOGAV. Klarering kommer att innehålla informationer om SID eller vektorering beroende på bana i användning på STOCKHOLM/Arlanda och UPPSALA.   |  | Traffic shall be flight planned via KOGAV. Clearance will be given on SID or vectoring in accordance with runway in use at STOCKHOLM/Arlanda and UPPSALA.  |                                       |
| 2.2  | Stighastighet                              | 2.2  | Climb speed                           |
| Jetflygplan som 2 NM efter start inte kan stiga med IAS 190 kt eller mer, ska meddela TWR före start.  |  | Jet aircraft unable to climb with IAS 190 kt or more 2 NM after take-off shall inform TWR before take-off.   |                                       |
| 2.3  | Första kontakt på FMS/RNAV SID             | 2.3  | Initial contact on FMS/RNAV SID       |
| Avgående luftfartyg ska skifta frekvens till STOCKHOLM DEPARTURE först efter instruktioner från TWR. Vid första anrop ska höjd rapporteras för att verifiera SSR mod C kod.  |  | Departing aircraft shall change frequency to STOCKHOLM DEPARTURE only when instructed from TWR. At first contact report altitude to verify SSR mode C.   |                                       |
| 2.3.1  | Lufffartyg som inte kan följa FMS/RNAV SID | 2.3.1  | Aircraft not able follow FMS/RNAV SID |
| Lufffartyg ska informera "Clearance Delivery". Luftfartyg kommer att vektoreras till utflygningspunkt angiven i färdplan. Avgående luftfartyg ska skifta frekvens till "STOCKHOLM DEPARTURE först efter instruktioner från TWR. Vid första kontakt rapportera höjd och ange "UNABLE RNAV SID".   |  | Aircraft shall inform Clearance Delivery. Aircraft will be vectored to exit point stated in flight plan. Departing aircraft shall change frequency to STOCKHOLM DEPARTURE only when instructed from TWR. At first contact report altitude and state "UNABLE RNAV SID".   |                                       |
| 2.4  | Avgångar utan SID                          | 2.4  | Non SID departures                    |
| IFR-trafik som inte klareras via SID kommer att vektoreras. Proceduren tillämpas vid följande förhållanden;  |  | IFR traffic not cleared via SID will be vectored. The procedure will be used with following conditions:  |                                       |
| <ul style="list-style-type: none"><li>0500-2100 (0400-2000)</li><li>För propeller/turbo prop flygplan med MTOM på 9000 kg eller mindre</li><li>För propeller/turbo prop flygplan med MTOM mer än 9000 kg men mindre än 136000 kg certifierade i enlighet med kapitel 3, 4 eller 5</li><li>Klarering att stiga lämnas initial till 3000 ft</li><li>Om inte annat angivits från TWR ska sväng till angiven kurs eller färdlinje påbörjas när 600 ft passerats<br/>Start från bana 19R kommer initialt att klareras på SID till 3000 ft</li><li>Lufffartyg ska bibehålla ROC 700 ft/min eller mer. Är detta inte möjligt ska ATC informeras</li></ul> |  | <ul style="list-style-type: none"><li>0500-2100 (0400-2000)</li><li>For prop/turbo-prop aircraft with MTOM 9000 kg or less</li><li>For prop/turbo-prop aircraft with MTOM more than 9000 kg but less than 136000 kg certified in accordance with Chapter 3, 4 or 5</li><li>Initial climb clearance will be 3000 ft</li><li>Unless otherwise instructed by TWR turn to assigned heading or track shall be initiated when passing 600 ft<br/>TKOF RWY 19R will initially be cleared on SID to 3000 ft</li><li>Aircraft shall maintain ROC 700 ft/min or more. If unable inform ATC</li></ul> |                                       |

2.5 Startprocedurer omnidirectional

2.5 Omnidirectional departure procedures

| RWY | Procedure  | Significant obstacle |                |                                   |
|-----|--|----------------------|----------------|-----------------------------------|
|     |  | Obstacle             | Elevation (ft) | Direction (GEO)/Dist (m) from THR |
| 01L | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | Tree (CIO)           | 185            | 014°/3745                         |
| 19R | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | -                    |                |                                   |
| 01R | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | -                    |                |                                   |
| 19L | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | -                    |                |                                   |
| 08  | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | Tree (CIO)           | 176            | 072°/3060                         |
| 26  | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | -                    |                |                                   |

3. Radio kommunikation

3. Radio communication

3.1 Dubbelriktad radioförbindelse

3.1 Two way radio communication

Avsteg från kraven på dubbelriktad radioförbindelse medges inte.

Exception from two-way radio communication is not accepted.

3.2 Radiobortfall

3.2 Communication failure

Luffartyg ska följa procedurerna i ENR 1.3 mom 10. För IFR trafik ankommande mot STOCKHOLM/Arlanda gäller följande tilläggsprocedurer;

Aircraft shall follow procedures in ENR 1.3 para 10. For IFR traffic inbound STOCKHOLM/Arlanda following additional procedures will apply;

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Bibehåll senast tilldelad bekräftad höjd</li> <li>• Fortsätt mot relevant inflygningspunkt för TMA</li> <li>• Fortsätt mot TEB VOR</li> <li>• I TEB väntläge sjunk till 2500 ft</li> <li>• Utför inflygningsförfarande enligt nedan:</li> </ul> | <ul style="list-style-type: none"> <li>• Maintain last received and acknowledged altitude</li> <li>• Proceed to relevant entry point in TMA</li> <li>• Proceed to TEB VOR</li> <li>• In TEB holding descent to 2500 ft</li> <li>• Carry out approach in accordance with:</li> </ul> |
|--|---|

| RWY |   |
|-----|---|
| 01L | Intercept TEB R-231 and proceed to TEB DME 9.0. Turn right to intercept LOC SSA, not below 2500 ft until FAP/FAF (SSA DME 7.6). |
| 19R | Intercept TEB R-345 and proceed to TEB DME 17.8. Turn left to intercept LOC NSA, not below 2500 ft until FAP/FAF (NSA DME 7.5). |
| 01R | Intercept TEB R-222 and proceed to TEB DME 8.2. Turn right to intercept LOC TSA, not below 2500 ft until FAP/FAF (TSA DME 7.5). |
| 19L | Intercept TEB R-348 and proceed to TEB DME 16.3. Turn left to intercept LOC USA, not below 2500 ft until FAP/FAF (USA DME 7.5). |
| 08  | Intercept TEB R-269 and proceed to TEB DME 17.0. Turn right to intercept LOC WSA, not below 2500 ft until FAF (ARL DME 6.6).    |
| 26  | Intercept TEB R-026 and proceed to TEB DME 8.4. Turn left to intercept LOC ESA, not below 2500 ft until FAP/FAF (ESA DME 7.5).  |

## RNAV SIDs at STOCKHOLM/ARLANDA

*Note: This information must be included in Company Route Manuals.*

### GENERAL

RNAV SIDs at Stockholm/Arlanda are designed in order to minimize noise dispersion resulting from ACFT flying outside designated tracks.

### APPROVED USERS, EQUIPMENT AND OPERATIONS

All RNAV SIDs are based on RNAV 1.

Operators receiving clearance via RNAV SID and are unable flying RNAV 1, shall inform ATC by using phraseology "UNABLE RNAV SID"

### POSITION UPDATE

All RNAV SIDs are based on DME/DME or GNSS for position update. Failure of one DME in Stockholm TMA will not affect RNAV navigation based on DME/DME.

### RNAV EQUIPMENT FAILURE

If the airborne /RNAV equipment fails, ATS shall be informed as soon as practicable. ATC will then provide radar vectors.

### NON RNAV EQUIPPED AIRCRAFT

Departing aircraft that is not equipped for RNAV SID shall inform Clearance Deliver by using phraseology "UNABLE RNAV SID DUE RNAV TYPE". After receiving a SID, Non RNAV aircraft shall follow instructions in "ACFT unable to follow RNAV SID", that contains tracks/altitude/speed for the first part and can thereafter expect radar vectors to the exit point stated in the flight plan.

Additionally at first contact with STOCKHOLM DEPARTURE, aircraft shall report altitude to verify SSR Mode C, and once again report that aircraft is unable to follow RNAV SID by using phraseology "UNABLE RNAV SID".

### APPLIED PRACTICE FOR LOW SPEED AIRCRAFT

ACFT, described below, will during daytime 0500-2100 (0400-2000) be cleared to follow low speed departure routes (climb-out on a heading or track to an altitude) instead of SIDs. These low speed departure routes will be assigned by ATC.

- Propeller driven ACFT with a MTOW less than 9 tons.
- Propeller driven ACFT with a MTOW more than 9 tons which fulfill the requirements in ICAO Annex 16 chapter 3 or 5.

Note:

Some high speed propeller driven ACFT will be cleared to follow SIDs (e.g. SAAB 2000, Dash 8 Q400).

Some noisy propeller driven ACFT will be cleared to follow SIDs due to environmental restrictions. (e.g. Lockheed C-130 Hercules, Hawker Siddley HS 748).

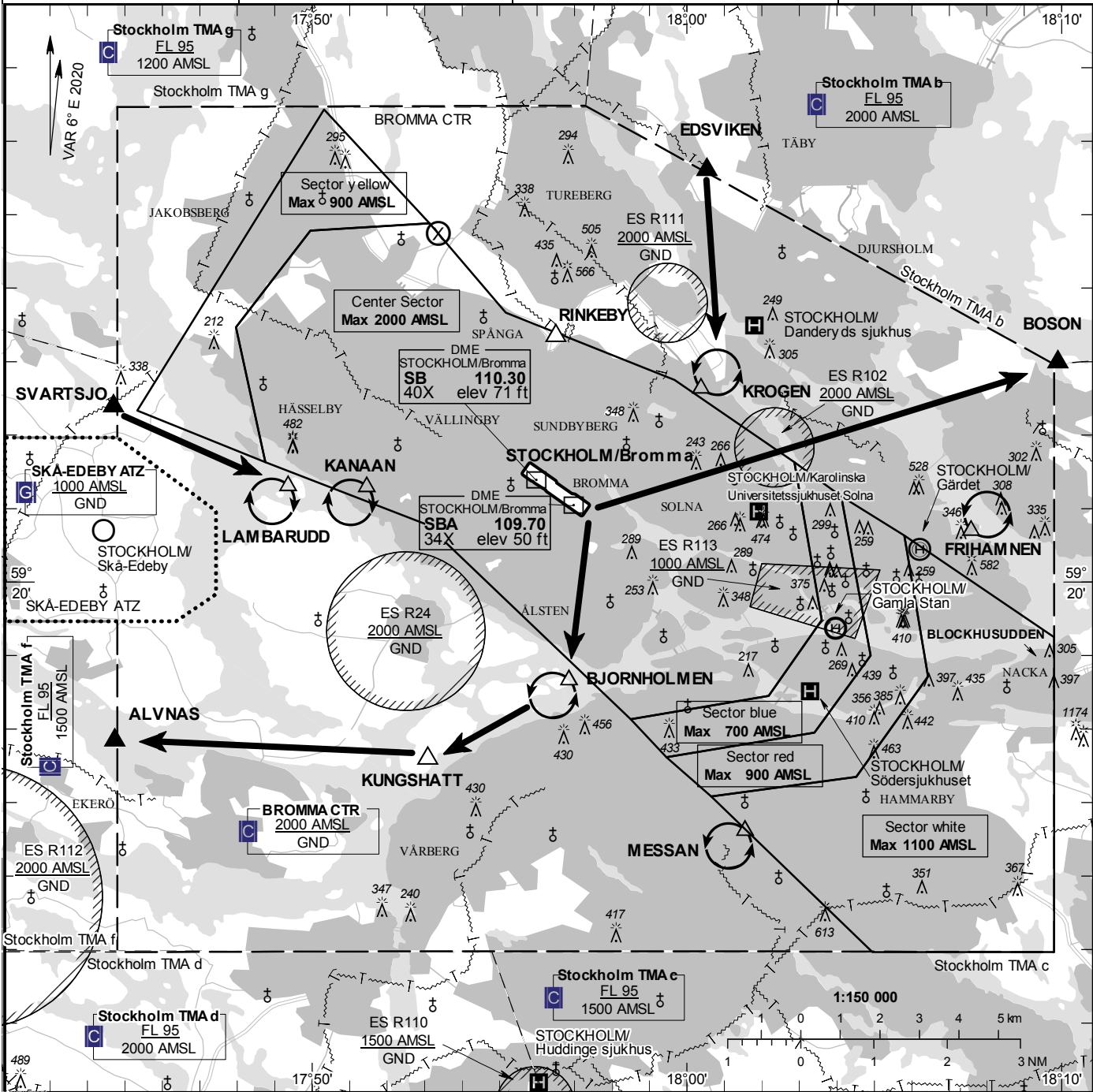
### RNAV SID INSTRUCTION

For each RNAV SID, there is a description as a list of waypoints in sequence, where FLY-OVER WPTs are printed underlined. If there is a speed limit, it will be notified in the list. There is also a description of the database coding to be used by navdatabase suppliers only. The coding is according to ARINC 424 standard.

Note: In order to adapt SID coding to certain FMS equipment, a minimum 1500 ft altitude restriction is added at some waypoints in those first turns where a speed restriction is prescribed.



|   |   |                              |  |
|---|---|------------------------------|--|
| <b>AIP SWEDEN</b><br><b>VFR-FLIGHT WITHIN</b><br><b>BROMMA CTR</b><br><b>(ref AD 2 ESSB 2.22)</b> | <b>AD ELEV 47 FEET</b><br>ELEV and ALT in ft<br>HGT in ft above AD ELEV | <b>BROMMA TOWER</b> 118.105  | <b>AD 2 ESSB 6-3</b><br><b>RWY 12</b>    |
|   |   | <b>BROMMA GROUND</b> 121.605 |  |
|   |   | <b>BROMMA ATIS</b> 122.455   | <b>STOCKHOLM/Bromma</b><br><b>SWEDEN</b> |



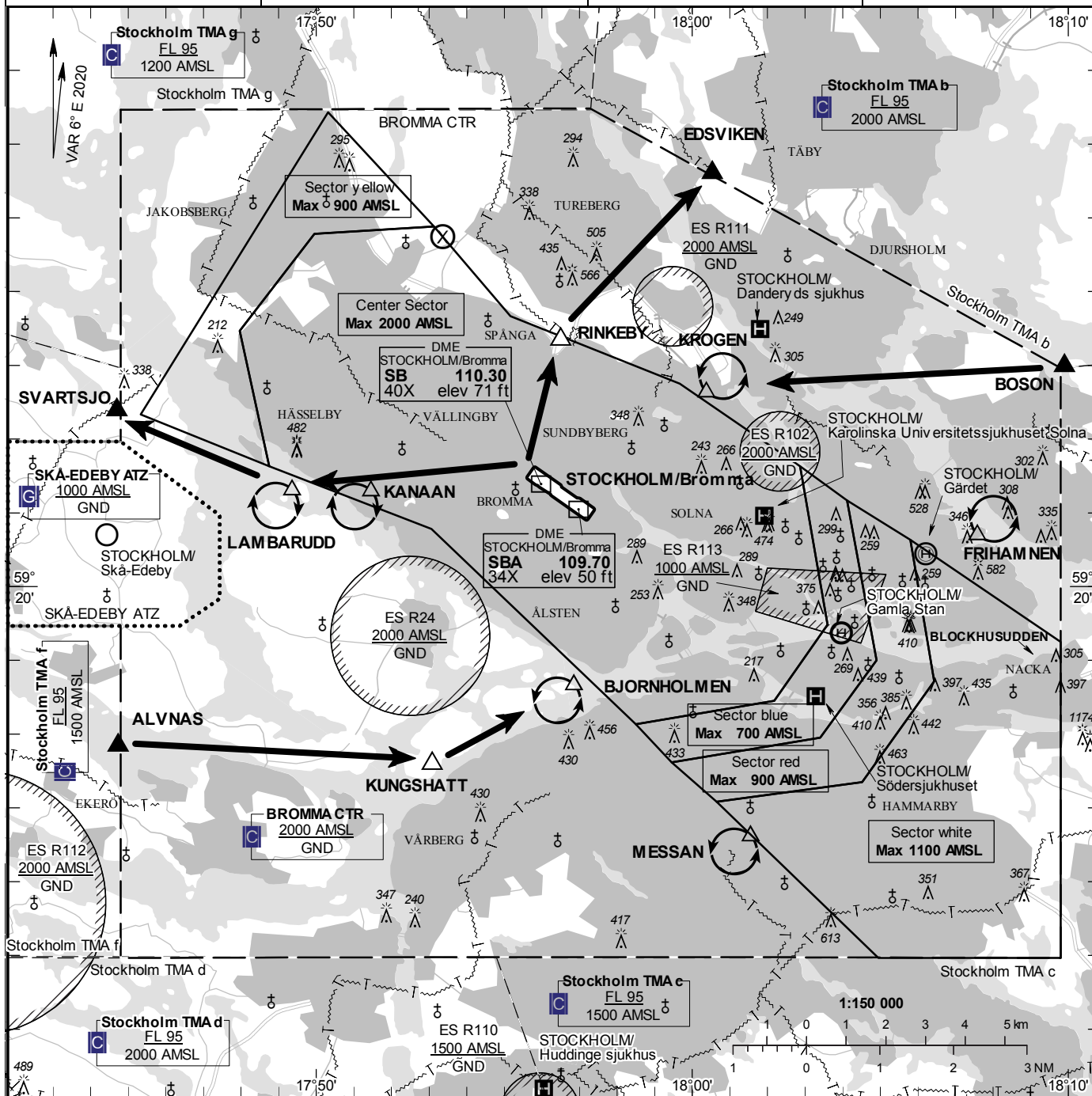
|  |   |  |
|--|---|--|
| <p><b>Communication failure</b><br/>Aircraft outside CTR having received no clearance should land at an aerodrome outside CTR and obtain clearance by telephone for further flight to STOCKHOLM/Bromma.<br/>If no suitable aerodrome is within reach;<br/>1. SQUAWK 7600<br/>2. Depending on probable active RWY;<br/>For RWY 30 enter CTR via ALVNAS – Holding BJORNHOLMEN at or below 1500 ft AMSL to join traffic circuit on downwind leg.<br/>For RWY 12 enter CTR via SVARTSJO – Holding KANAAN at or below 1500 ft AMSL to join right traffic circuit on downwind leg.<br/>Transmit blind your intentions.<br/>3. Flash LDG-lights and watch TWR for optical signals.</p> <p><b>Remark</b><br/>Obstacles below 197 ft AGL not shown in CTR</p> | <p><b>Entry / exit point</b><br/>EDSVIKEN 592536N 0180032E<br/>BOSON 592259N 0180954E<br/>ALVNAS 591750N 0174444E<br/>SVARTSJO 592223N 0174442E</p> <p><b>Reporting point</b><br/>RINKEBY 592320N 0175630E<br/>KUNGSHATT 591735N 0175305E</p> <p><b>Legend</b><br/>See GEN 2.3<br/> Special procedures for balloon flight, see AD 2 ESSB 2.22.6.4</p> | <p><b>Holding</b><br/>KROGEN: Hold over intersection between roads E18 and E4, north east of point 592237N 0180023E<br/>FRIHAMNEN: Hold over the harbour Frihamnen, north east of point 592041N 0180735E<br/>MESSAN: Hold over the exhibition hall, south west of point 591636N 0180133E<br/>BJORNHOLMEN: Hold over Björnholmen, south west of point 591839N 0175651E<br/>KANAAN: Hold over the swimming area Kanaanbadet, south west of point 592117N 0175127E<br/>LAMBARUDD: Hold over Lambarudd, south west of point 592118N 0174921E</p> |
|--|---|--|

**AD 2 ESSB 6-4**  
**RWY 30**  
**STOCKHOLM/Bromma**  
**SWEDEN**

**BROMMA TOWER 118.105**  
**BROMMA GROUND 121.605**  
**BROMMA ATIS 122.455**

**AD ELEV 47 FEET**  
 ELEV and ALT in ft  
 HGT in ft above AD ELEV

**AIP SWEDEN**  
**VFR-FLIGHT WITHIN**  
**BROMMA CTR**  
 (ref AD 2 ESSB 2.22)



**Communication failure**

Aircraft outside CTR having received no clearance should land at an aerodrome outside CTR and obtain clearance by telephone for further flight to STOCKHOLM/Bromma.  
 If no suitable aerodrome is within reach;  
 1. SQUAWK 7600  
 2. Depending on probable active RWY;  
 For RWY 30 enter CTR via ALVNAS – Holding BJORNHOLMEN at or below 1500 ft AMSL to join traffic circuit on downwind leg.  
 For RWY 12 enter CTR via SVARTSJO – Holding KANAAN at or below 1500 ft AMSL to join right traffic circuit on downwind leg.  
 Transmit blind your intentions.  
 3. Flash LDG-lights and watch TWR for optical signals.

**Remark**

Obstacles below 197 ft AGL not shown in CTR


**Entry / exit point**

EDSVIKEN 592536N 0180032E  
 BOSON 592259N 0180954E  
 ALVNAS 591750N 0174444E  
 SVARTSJO 592223N 0174442E

**Reporting point**

RINKEBY 592320N 0175630E  
 KUNGSHTATT 591735N 0175305E

**Legend**

See GEN 2.3  
 Special procedures for balloon flight, see AD 2 ESSB 2.22.6.4

**Holding**

KROGEN: Hold over intersection between roads E18 and E4, north east of point 592237N 0180023E  
 FRIHAMNEN: Hold over the harbour Frihamnen, north east of point 592041N 0180735E  
 MESSAN: Hold over the exhibition hall, south west of point 591636N 0180133E  
 BJORNHOLMEN: Hold over Björnholmen, south west of point 591839N 0175651E  
 KANAAN: Hold over the swimming area Kanaanbadet, south west of point 592117N 0175127E  
 LAMBARUDD: Hold over Lambaruud, south west of point 592118N 0174921E

**AD 2 AERODROMES****ESKN 2.1 AERODROME LOCATION INDICATOR AND NAME****ESKN – STOCKHOLM/SKAVSTA****ESKN 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- |    |  |   |
|----|--|---|
| 1. | ARP coordinates and site at AD               | 584719N 0165413E RWY 08/26 centre point   |
| 2. | Direction and distance from (city)           | NW 3 NM from Nyköping, SW 48 NM from Stockholm  |
| 3. | Elevation/Reference temperature              | 142 ft/+22.8°C  |
| 4. | Geoid undulation at AD ELEV PSN              | 86 ft   |
| 5. | MAG VAR/Annual change                        | 6° E 2020/+0.2 increasing   |
| 6. | Administration, address, telephone, fax, AFS | Stockholm Skavsta Flygplats AB<br>Box 44<br>SE-611 22 Nyköping<br>TEL: +46 (0)155 28 04 21<br>FAX: +46 (0)155 28 04 83<br>E-mail: dispatch@skavsta.se<br>AFS: ESKNZTZX<br>Website: www.skavsta.se |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR.  |
| 8. | Remarks                                      | AD reference code; RWY 08/26 code 4E, code F capability available, RWY 16/34 code 3C  |

**ESKN 2.3 OPERATIONAL HOURS**

- |     |   |   |
|-----|---|---|
| 1.  | AD Administration<br>AD Operating hours | H24 (reduced outside office hours)<br>H24                       |
| 2.  | Customs and immigration                 | Custom H24<br>Immigration 0500-2100 (0400-2000) Other hours O/R |
| 3.  | Health and sanitation                   | -   |
| 4.  | AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc                     |
| 5.  | ATS Reporting Office (ARO)              | H24   |
| 6.  | MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc                     |
| 7.  | ATS                                     | H24   |
| 8.  | Fuelling                                | H24, AVBL 1 HR PN 2100-0600 (2000-0500)                         |
| 9.  | Handling                                | O/R   |
| 10. | Security                                | H24   |
| 11. | De-Icing                                | H24, AVBL 1 HR PN 2100-0600 (2000-0500)                         |
| 12. | Remarks                                 | Charges and Conditions, see www.skavsta.se                      |

**ESKN 2.4 HANDLING SERVICES AND FACILITIES**

|    |  |  |
|----|--|--|
| 1. | Cargo-handling facilities              | Limited O/R  |
| 2. | Fuel/oil types                         | Fuel Jet A1, 100LL<br>Oil -                        |
| 3. | Fuelling facilities/discharge capacity | Jet A1: 650,000 l<br>100LL: 20,000 l               |
| 4. | De-icing facilities                    | Available, Type I and II                           |
| 5. | Hangar space for visiting ACFT         | Limited  |
| 6. | Repair facilities for visiting ACFT    | Available, light aircraft/helicopters              |
| 7. | Remarks                                | Fuel supplier YMFAS/Air BP TEL +46 (0)733 54 04 41 |

**ESKN 2.5 PASSENGER FACILITIES**

|    |                      |                           |
|----|----------------------|---------------------------|
| 1. | Hotels               | At AD                     |
| 2. | Restaurants          | At AD                     |
| 3. | Transportation       | Buses, taxis, rental cars |
| 4. | Medical facilities   | In Nyköping               |
| 5. | Bank and Post Office | Bank at AD                |
| 6. | Tourist Office       | At AD                     |
| 7. | Remarks              | -                         |

**ESKN 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|    |   |  |
|----|---|--|
| 1. | AD category for fire fighting               | CAT 7 for scheduled traffic, CAT 8 and 9 on request.   |
| 2. | Rescue equipment                            | Rescue and fire fighting services vehicles,<br>medical supplies, decontamination material + municipal<br>rescue service  |
| 3. | Capability for removal of disabled aircraft | Suitable for ACFT up to B747-8<br>Contact Field service<br>TEL: +46 (0)70 328 18 16<br>E-mail: field@skavsta.se  |
| 4. | Remarks                                     | Fire fighting and rescue available on request for non-contracted<br>airlines<br>PPR for RFFS via E-mail to: nyorffs@skavsta.se<br>Charges and Conditions, see www.skavsta.se |

**ESKN 2.7 SEASONAL AVAILABILITY – CLEARING**

|    |                             |   |
|----|-----------------------------|---|
| 1. | Types of clearing equipment | 3 sweepers, 4 snow ploughs, 3 blowers, 2 spreaders, 1 sprayer |
| 2. | Clearance priorities        | RWY 08/26, TWY A, Aprons                                      |
| 3. | Remarks                     | RWY 08/26 de-iced/anti-iced with KFOR                         |



**ESKN 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

- |    |                                     |  |
|----|-------------------------------------|--|
| 1. | Apron surface and strength          | Apron 1 ASPH PCN 40 F/B/X/T 50% higher ACN accepted occasionally.<br>Apron 2 ASPH PCN 60 F/B/X/T 50% higher ACN accepted occasionally.<br>Apron 4 ASPH PCN 20 F/C/Y/T 50% higher ACN accepted occasionally.<br>Apron 5 ASPH PCN 20 F/C/X/T 50% higher ACN accepted occasionally.   |
| 2. | Taxiway width, surface and strength | TWY 2 18 m ASPH PCN 60 F/C/X/T<br>TWY 4 18 m ASPH PCN 20 F/C/Y/T 23 m PCN 60 F/C/X/T between TWY 2 and intersection TWY 5<br>TWY 5 15 m ASPH PCN 20 F/C/X/T<br>TWY A 24 m ASPH PCN 60 F/B/X/T<br>TWY B 23 m ASPH PCN 40 F/B/X/T<br>TWY C 44 m ASPH PCN 40 F/B/X/T<br>TWY E 15 m ASPH PCN 40 F/B/Y/U<br>TWY F 10 m ASPH PCN 20 F/B/Y/U<br>TWY G 8 m ASPH PCN 20 F/B/Y/U |
| 3. | ACL, location and elevation         | Apron 132 ft   |
| 4. | VOR checkpoints                     | -  |
| 5. | INS checkpoints                     | -  |
| 6. | Remarks                             | TWY 2 MAX aircraft ICAO CODE C<br>TWY 4 MAX aircraft ICAO CODE C<br>TWY E MAX aircraft ICAO CODE B   |

**ESKN 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

- |    |   |   |
|----|---|---|
| 1. | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of ACFT stands | Taxi guide lines and signs. Marshalling available   |
| 2. | RWY and TWY markings and LGT  | <p>RWY 08/26: Designator, THR, TDZ, CL and edges day marked.<br/>RTHL, REDL, RENL</p> <p>16/34: Designator, THR, CL and edges day marked.<br/>RTHL, REDL, RENL, RGL</p> <p>TWY 2: CL day marked, Edge LGT<br/>4: CL day marked, Edge LGT between TWY 2 and intersection TWY 5<br/>5: CL day marked. Edge LGT.<br/>A: CL, HLDG, Edge day marked, Edge LGT, RGL<br/>B: CL, HLDG, Edge day marked, Edge LGT, RGL<br/>C: CL, HLDG, Edge day marked, Edge LGT, RGL<br/>E: CL, HLDG day marked.<br/>F: CL, HLDG day marked, Edge LGT<br/>G: CL, HLDG day marked, Edge LGT</p> |
| 3. | Stop bars   | -   |
| 4. | Remarks   | RWY 16/34: RGL crossbar before RWY 08/26 intersection   |

## ESKN 2.10 AERODROME OBSTACLES

| In Area 2           |           |                      |                     |                           |         |
|---------------------|-----------|----------------------|---------------------|---------------------------|---------|
| OBST ID/Designation | OBST type | OBST position        | ELEV/HGT<br>in feet | Markings/ Type,<br>colour | Remarks |
| a                   | b         | c                    | d                   | e                         | f       |
| ESKN1               | Forest    | 584736.2N 0165720.1E | 196 / -             | -                         | -       |
| ESKN2               | Forest    | 584734.3N 0165723.2E | 213 / -             | -                         | -       |
| ESKN3               | Forest    | 584734.4N 0165723.3E | 218 / -             | -                         | -       |
| ESKN4               | Forest    | 584726.6N 0165730.5E | 222 / -             | -                         | -       |
| ESKN5               | Forest    | 584726.6N 0165731.1E | 226 / -             | -                         | -       |
| ESKN6               | Forest    | 584729.1N 0165731.8E | 228 / -             | -                         | -       |
| ESKN7               | LOC       | 584711.3N 0165239.3E | 117 / -             | -                         | -       |
| ESKN8               | Shrub     | 584710.3N 0165236.7E | 119 / -             | -                         | -       |
| ESKN9               | Shrub     | 584712.0N 0165232.8E | 123 / -             | -                         | -       |
| ESKN10              | Shrub     | 584709.7N 0165233.2E | 123 / -             | -                         | -       |
| ESKN11              | Forest    | 584710.9N 0165153.5E | 149 / -             | -                         | -       |
| ESKN12              | Forest    | 584703.0N 0165148.6E | 169 / -             | -                         | -       |
| ESKN13              | Forest    | 584710.7N 0164947.4E | 244 / -             | -                         | -       |
| ESKN14              | Forest    | 584711.2N 0164947.1E | 244 / -             | -                         | -       |
| ESKN15              | Pole      | 584700.1N 0165449.8E | 139 / -             | -                         | -       |
| ESKN16              | Forest    | 584649.5N 0165501.1E | 148 / -             | -                         | -       |
| ESKN17              | Forest    | 584648.3N 0165458.6E | 153 / -             | -                         | -       |
| ESKN18              | Forest    | 584644.3N 0165507.7E | 160 / -             | -                         | -       |
| ESKN19              | Forest    | 584642.6N 0165517.2E | 227 / -             | -                         | -       |
| ESKN20              | Forest    | 584642.0N 0165518.7E | 232 / -             | -                         | -       |
| ESKN21              | Forest    | 584806.9N 0165408.2E | 142 / -             | -                         | -       |
| ESKN22              | Forest    | 584813.2N 0165401.1E | 187 / -             | -                         | -       |
| ESKN23              | Forest    | 584820.5N 0165414.1E | 203 / -             | -                         | -       |

| In Area 3           |           |               |          |                           |         |
|---------------------|-----------|---------------|----------|---------------------------|---------|
| OBST ID/Designation | OBST type | OBST position | ELEV/HGT | Markings/ Type,<br>colour | Remarks |
| a                   | b         | c             | d        | e                         | f       |
| Not available       |           |               |          |                           |         |

| DECLARED DISTANCES TAKE-OFF INTERSECTIONS |              |          |          |          |         |         |
|---|--------------|----------|----------|----------|---------|---------|
| RWY                                       | INTERSECTION | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
| 1   |              | 2        | 3        | 4        | 5       | 6       |
| 26  | RWY CROSSING | 1875     | 2025     | 1875     | -       | -       |
| 26  | TWY B        | 2604     | 2754     | 2604     | -       | -       |
| 16  | TWY F        | 1819     | 1819     | 1819     | -       | -       |
| 34  | TWY E        | 1207     | 1207     | 1207     | -       | -       |

### ESKN 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator | APCH LGT<br>Type, LEN<br>INTST           | THR LGT<br>Colour<br>WBAR | VASIS<br>(MEHT)                 | TDZ LGT<br>LEN | RWY Centre<br>Line LGT<br>LEN, Spacing<br>Colour<br>INTST | RWY Edge<br>LGT<br>LEN, Spacing<br>Colour<br>INTST            | RWY End<br>LGT<br>Colour<br>WBAR | SWY LGT<br>LEN,<br>Colour |
|----------------|--|---------------------------|---------------------------------|----------------|---|---|----------------------------------|---------------------------|
| 1              | 2  | 3                         | 4                               | 5              | 6   | 7   | 8                                | 9                         |
| 08             | SALS<br>420 m<br>LIL/LIH                 | Green                     | PAPI<br>Left/3.00°<br>(51.5 ft) | -              | -   | 2878/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIL/LIH | Red                              | -                         |
| 26             | Barrette CL<br>CAT I<br>900 m<br>LIL/LIH | Green                     | PAPI<br>Left/3.00°<br>(57.7 ft) | -              | -   | 2878/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIL/LIH | Red                              | -                         |
| 16             | -  | Green                     | PAPI<br>Left/3.00°<br>(51.8 ft) | -              | -   | 2043/60 m<br>White<br>LIL                                     | Red                              | -                         |
| 34             | -  | Green                     | PAPI<br>Left/3.00°<br>(53.1 ft) | -              | -   | 2043/60 m<br>White<br>LIL                                     | Red                              | -                         |

10 Remarks: RWY 08: LED lights on RTHL, REDL, RENL.  
RWY 26: LED lights on APCH, RTHL, REDL, RENL.

### ESKN 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1. ABN/IBN location, characteristics and hours of operation -
2. LDI location and LGT  
Anemometer location and LGT At THR RWY 16/34, THR RWY 08/26 and at PAPI TWY B. Lighted windsock 265 m SW RWY intersection  
At DME RWY 08, GP RWY 26 and at PAPI RWY 34
3. TWY edge and centre line lighting  
Edge: TWY 2, 4, 5, A, B, C, F, G  
CL: -
4. Secondary power supply/switch-over time Available/15 sec. LVP less than 1 sec.
5. Remarks -

### ESKN 2.16 HELICOPTER LANDING AREA

RWY 16/34 or RWY 08/26 to be used. Air-taxi via taxiways to stand.



**ESKN 2.20 LOKALA TRAFIKFÖRESKRIFTER**

## 1. Restriktioner för skol- och övningsflygning

PPR gäller för all skol- och övningsflygning. PPR gäller även all annan flygning som innebär TGL och/eller "airwork" i ESKN CTR.

Flygning med studs och gå får endast ske mellan klockan:  
MON-FRI 0500-2000 (0400-1900)  
SAT 0600-2000 (0500-1900)  
SUN and HOL 0800-1500 (0700-1400)

När ÖSTGÖTA APP är stängd får skolflygning inom ÖSTGÖTA TMA utföras endast efter förhandstillstånd från skiftledaren vid STOCKHOLM ACC, TEL 08 585 547 02.

## 2. Platta 1 och Platta 2: Intaxning till uppställningsplats

Intaxning till uppställningsplats får endast ske med hjälp av manuella rangeringssignaler. Utöver manuella rangeringssignaler kan "Follow-Me bil" användas.

## 3. Undvikande av jetstrålar

För att undvika jetstrålar tillåts endast tomgångsvarv vid intaxning till uppställningsplats 8, 9 och 10A.

**ESKN 2.21 MINSKNING AV BULLERSTÖRNING**

## 1. Luftfartyg certifierade enligt ICAO Annex 16, Vol I, Kapitel 1 och 2 får inte trafikera flygplatsen.

2. Standardproceduren för att reducera buller vid flygplatsen (NADP 2) ska tillämpas. Ref ICAO Procedures for AIR Navigation Services – Aircraft Operations (PANS-OPS Doc 8168) Vol I – Flight Procedures.

## 3. För flygplan med MTOM överstigande 7000 kg gäller:

- Dagligen 0600-1700 (0500-1600): Flygplan som utför visuell inflygning får inte understiga 2000 ft AMSL innan etablering på banans centrumlinje.
- Dagligen 1700-0600 (1600-0500): Visuella inflygning ej tillåtet.

## 4. Över tätbebyggt område

Över Nyköping och Stigtomta bör luftfartyg inte framföras på lägre höjd än 3000 ft AMSL, utom då så är nödvändigt i samband med start och landning.

Angivna flygvägar, IFR och VFR, har upprättats även för att minska bullerstörningar. Luftfartyg skall noggrant följa i färdtillstånd angiven flygväg samt i övrigt framföras så att onödiga bullerstörningar inte förorsakas.

**LOCAL TRAFFIC REGULATIONS**

## 1. Restrictions for school and training flights

PPR required for all school and training flights. PPR also required for all other flights involving TGL and/or airwork within ESKN CTR.

Flights with touch-and-go landings are only permitted:  
MON-FRI 0500-2000 (0400-1900)  
SAT 0600-2000 (0500-1900)  
SUN and HOL 0800-1500 (0700-1400)

When ÖSTGÖTA APP is not in operation, training flights within ÖSTGÖTA TMA may be carried out only after prior permission from the Supervisor at STOCKHOLM ACC, phone +46 (0)8 585 547 02.

## 2. Apron 1 and Apron 2: Taxiing to stand position

When taxiing to stand position, guidance by manual marshalling signals is mandatory. In addition to manual marshalling signals, a "Follow-Me car" may be used.

## 3. Avoidance of jet blast

Use idle thrust due to jet blast risk when taxiing to stands 8, 9 and 10A.

**NOISE ABATEMENT PROCEDURES**

## 1. Aircraft certificated in accordance with ICAO Annex 16, Vol I, Chapter 1 and 2 must not use the aerodrome.

2. Noise Abatement Departure Procedure alleviating noise at the aerodrome (NADP 2) shall be used. Ref ICAO Procedures for AIR Navigation Services – Aircraft Operations (PANS-OPS Doc 8168) Vol I – Flight Procedures.

## 3. For aircraft with MTOM exceeding 7000 kg the following applies:

- Daily 0600-1700 (0500-1600). Aircraft performing visual APCH must not descend below 2000 ft AMSL before established on RWY CL.
- Daily 1700-0600 (1600-0500): Visual approach not permitted.

## 4. Over built up areas

Over Nyköping and Stigtomta aircraft should not be operated below 3000 ft AMSL, except when necessary for take-off and landing.

Routes for inbound and outbound traffic, IFR and VFR, have been established also for noise abatement. Aircraft shall strictly adhere to assigned route and be operated in such a manner that unnecessary noise disturbances are not caused.

## ESKN 2.22 FLYGPROCEDURER

1. Ankommande IFR-trafik inom Östgöta TMA och Skavsta CTR

Flygvägar  
Se sid ESKN 4–13 till ESKN 4–22.

Väntlägen (Ref ENR 1.3 mom 9)  
Väntlägen är upprättade enligt sid ESSP 4–1.

2. Avgående IFR-trafik inom Östgöta TMA och Skavsta CTR

Flygvägar  
Se sid ESKN 4–5 till ESKN 4–11.

Om en inflygningsfyr (L) ingår i avgående klarering, skall fyren överflygas innan sväng påbörjas.

3. Startprocedurer, omnidirectional

## FLIGHT PROCEDURES

1. Inbound IFR traffic within Östgöta TMA and Skavsta CTR

Routes  
See pages ESKN 4–13 through ESKN 4–22.

Holdings (Ref ENR 1.3 para 9)  
Holding patterns are established in accordance with page ESSP 4–1.

2. Outbound IFR traffic within Östgöta TMA and Skavsta CTR

Routes  
See pages ESKN 4–5 through ESKN 4–11.

If a Locator is included in departure clearance the beacon is a fly-over point before a turn is initiated.

3. Omnidirectional departure procedures

| RWY | Procedure  | Significant obstacle  |                |                                   |
|-----|--|-----------------------|----------------|-----------------------------------|
|     |  | Obstacle              | Elevation (ft) | Direction (GEO)/Dist (m) from THR |
| 08  | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | Tree (CIO)            | 155            | 079°/3090                         |
| 16  | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | Tree (CIO)<br>Antenna | 199<br>276     | 167°/2250<br>169°/5820            |
| 26  | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | Tree (CIO)<br>Tree    | 202<br>247     | 258°/3620<br>267°/5750            |
| 34  | Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA. | Tree (CIO)            | 161            | 338°/2050                         |

4. Avbrott i radioförbindelse

Luftfartyg skall följa de föreskrifter som anges i ENR 1.3 mom 10. Under IMC gäller dessutom för ankommande luftfartyg följande.

4.1 Ankommande klarering mottagen och kvitterad

Bibehåll senast tilldelade och kvitterade flyghöjd. Följ angiven flygväg till den gräns för klarering som anges i den ankommande klareringen. Fortsätt därifrån direkt till det följande hjälpmedel:

L PEO (bana 26) eller L NW (bana 08).

Om avbrott i radioförbindelse inträffar under *radarvektoring*: bibehåll senast tilldelad och kvitterad flyghöjd, dock ej lägre höjd än tillämplig lägsta sektorhöjd; flyg direkt till tillämpligt hjälpmedel, L PEO (bana 26) eller L NW (bana 08).

Efter ankomst över hjälpmedel (L PEO (bana 26) eller L NW (bana 08)) utför erforderlig nedgång i väntläge enligt sid ESSP 4–1. Utför därefter normal instrumentinflygning till gällande bana.

4. Communication failure

The communication failure procedures of ENR 1.3 para 10 shall be observed. In addition, in IMC an inbound aircraft shall apply the relevant procedures specified below.

4.1 Inbound clearance received and acknowledged

Maintain the level last received and acknowledged. Follow the specified route to the clearance limit specified in the inbound clearance. Then proceed direct to the facility mentioned below:

L PEO (runway 26) or L NW (runway 08).

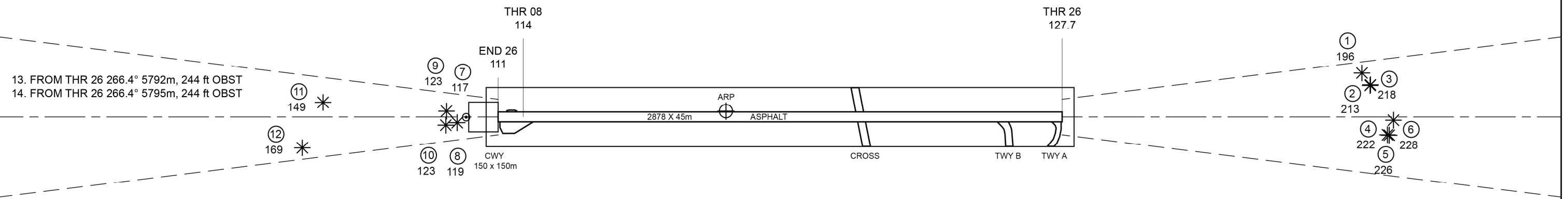
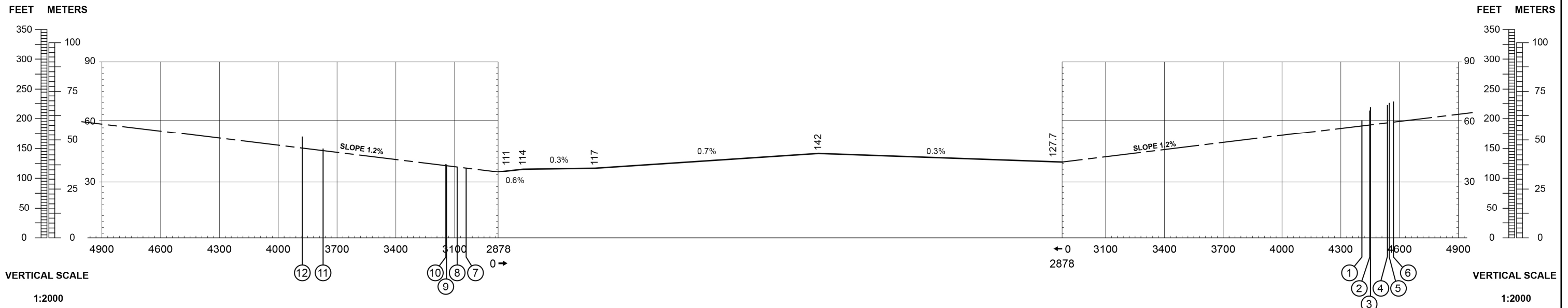
In the event of communication failure during *radar vectoring*: maintain the level last received and acknowledged or the applicable minimum sector altitude whichever is higher; proceed direct to the relevant facility of L PEO (runway 26) or L NW (runway 08).

After arrival over the facility (L PEO (runway 26) or L NW (runway 08)) descent as required in the holding pattern specified on page ESSP 4–1. Then carry out a normal instrument approach to the runway-in-use.

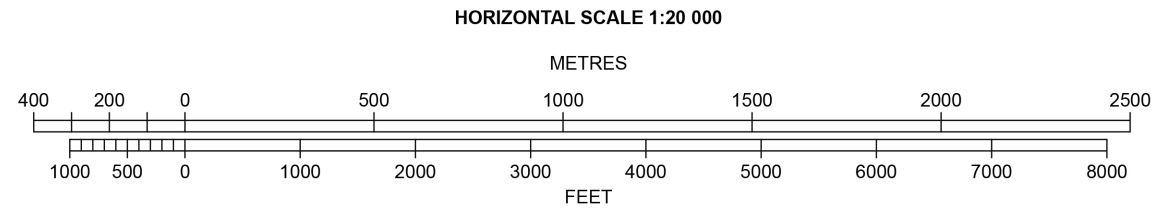
**AERODROME ELEVATION 142 FEET**  
MAGNETIC VARIATION 6° E 2020

**RUNWAY BEARINGS**  
08 = GEO 083.07°; MAG 77°  
26 = GEO 263.11°; MAG 257°

| RWY 08 | DECLARED DISTANCES              | RWY 26 |
|--------|---------------------------------|--------|
| 2878   | TAKE-OFF RUN AVAILABLE          | 2878   |
| 2878   | TAKE-OFF DISTANCE AVAILABLE     | 3028   |
| 2878   | ACCELERATE STOP DIST. AVAILABLE | 2878   |
| 2750   | LANDING DISTANCE AVAILABLE      | 2878   |



13. FROM THR 26 266.4° 5792m, 244 ft OBST  
14. FROM THR 26 266.4° 5795m, 244 ft OBST



ORDER OF ACCURACY  
HORIZONTAL 5 m  
VERTICAL 1 ft

| LEGEND                            |   |
|-----------------------------------|---|
| IDENTIFICATION NUMBER             | ① |
| POLE, TOWER, SPIRE, ANTENNA, ETC. | ○ |
| TREE OR SHRUB                     | * |

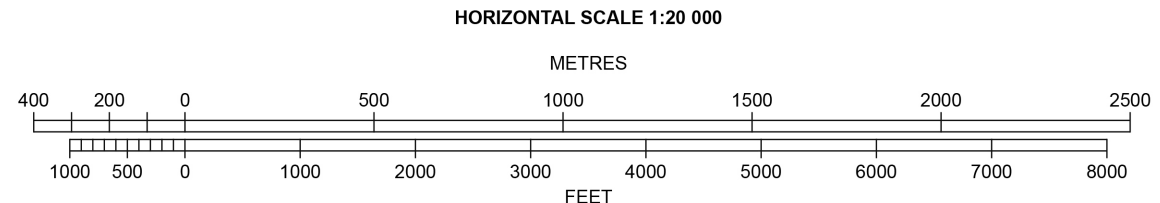
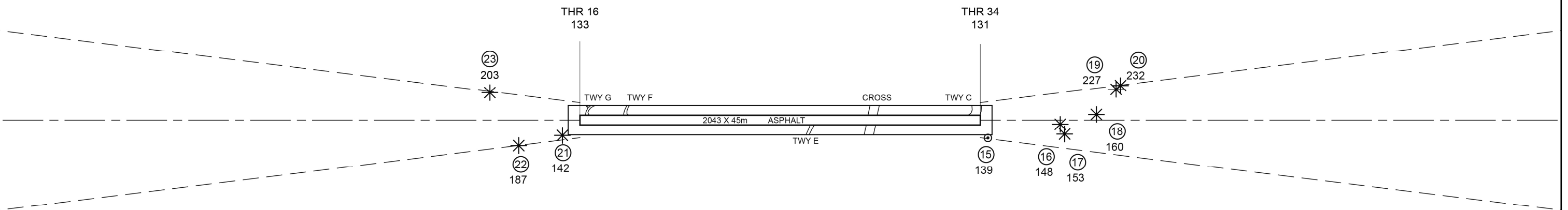
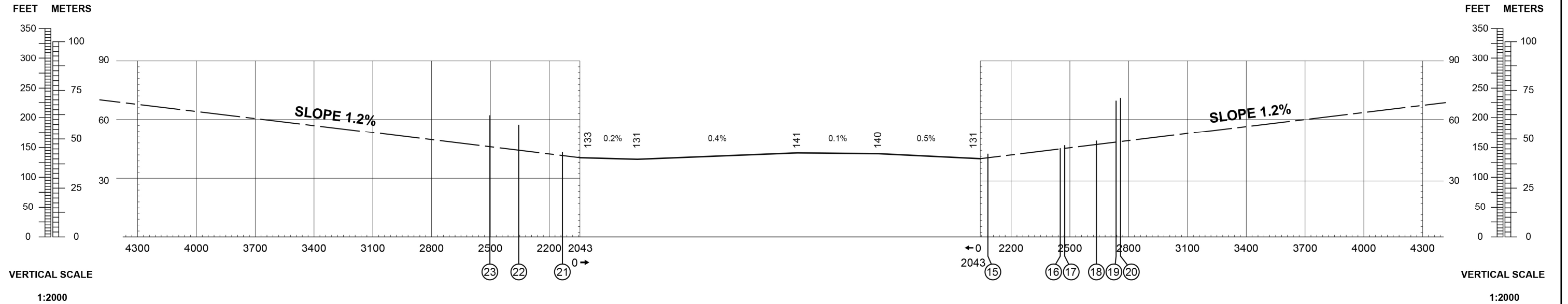




**AERODROME ELEVATION 142 FEET**  
MAGNETIC VARIATION 6° E 2020

**RUNWAY BEARINGS**  
16 = GEO 161.80°; MAG 156°  
34 = GEO 341.81°; MAG 336°

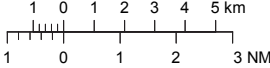
| RWY 16 | DECLARED DISTANCES              | RWY 34 |
|--------|---------------------------------|--------|
| 2043   | TAKE-OFF RUN AVAILABLE          | 2043   |
| 2043   | TAKE-OFF DISTANCE AVAILABLE     | 2043   |
| 2043   | ACCELERATE STOP DIST. AVAILABLE | 2043   |
| 2043   | LANDING DISTANCE AVAILABLE      | 2043   |

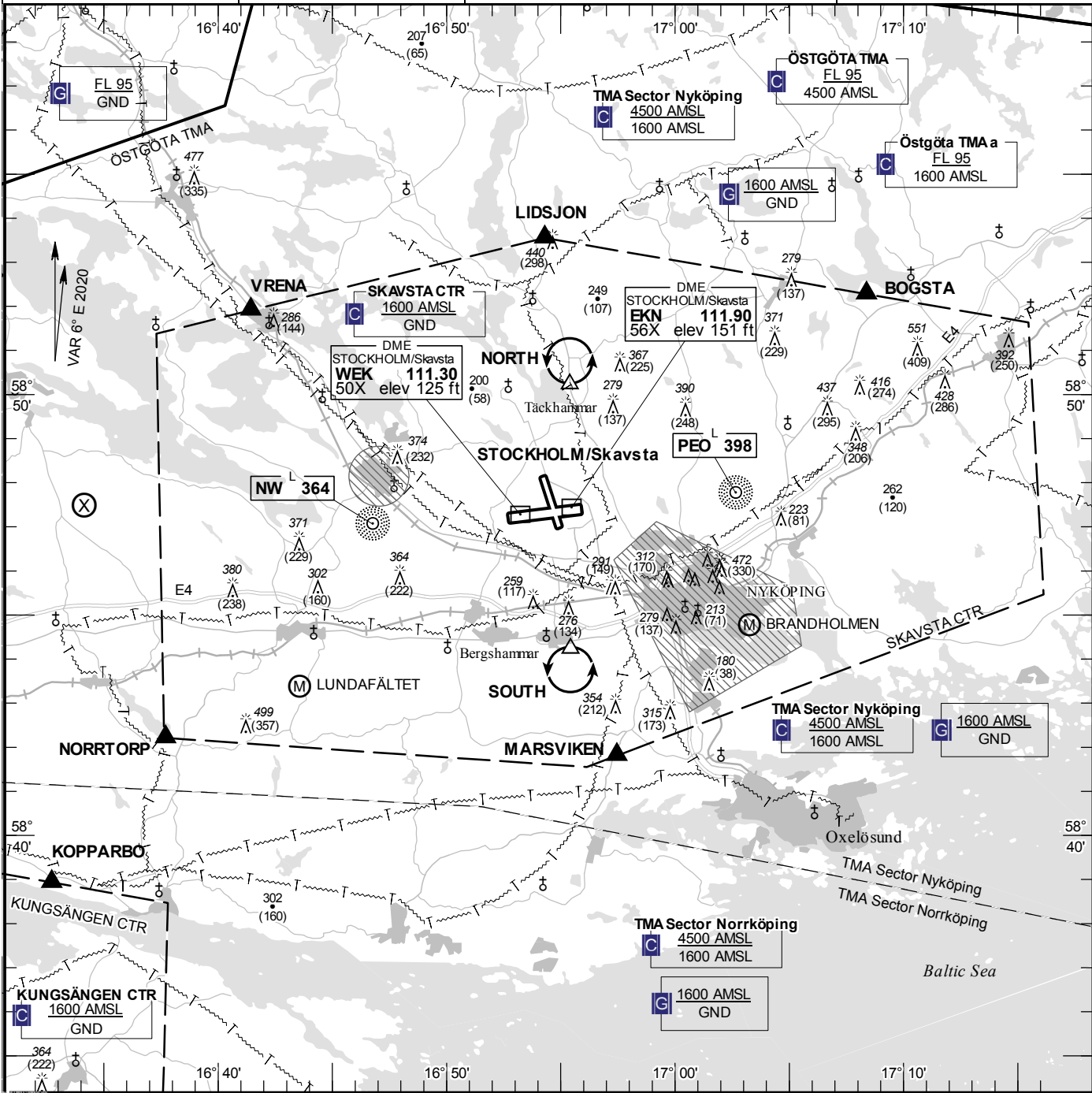


ORDER OF ACCURACY  
HORIZONTAL 5 m  
VERTICAL 1 ft

| LEGEND                            |   |
|-----------------------------------|---|
| IDENTIFICATION NUMBER             | ① |
| POLE, TOWER, SPIRE, ANTENNA, ETC. | ⊙ |
| TREE OR SHRUB                     | * |



|  |   |  |   |
|--|---|--|---|
| <b>VISUAL APPROACH CHART - ICAO</b><br>1:250000<br> | <b>AD ELEV 142 FEET</b><br>ELEV and ALT in ft<br>HGT in ft above AD ELEV<br><b>TA 5000 AMSL</b> | <b>SKAVSTA TOWER 127.705</b><br><b>ÖSTGÖTA APPROACH 132.955</b><br><b>SKAVSTA ATIS 126.280</b> | <b>AD 2 ESKN 6-1</b><br><b>STOCKHOLM/Skavsta SWEDEN</b> |
|--|---|--|---|



**Communication failure**

- 1 SQUAWK 7600
- 2 Enter CTR via VRENA/BOGSTA – Holding NORTH or via MARSVIKEN/NORRTORP– Holding SOUTH at or below 1500 ft AMSL. Transmit blind your intentions.
- 3 Flash LDG-lights and watch TWR for optical signals.

**Remark**

Noise sensitive area should be avoided below 3000 ft AMSL

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 08     | 114 ft   | Left/3.00° (52 ft) |
| 26     | 127.7 ft | Left/3.00° (58 ft) |
| 16     | 133 ft   | Left/3.00° (52 ft) |
| 34     | 131 ft   | Left/3.00° (53 ft) |

**Entry / exit point**

|           |                  |
|-----------|------------------|
| LIDSJON   | 585333N 0165418E |
| BOGSTA    | 585217N 0170823E |
| MARSVIKEN | 584149N 0165727E |
| NORRTORP  | 584213N 0163742E |
| VRENA     | 585155N 0164126E |

**Holding**

**NORTH:** Hold north of Täckhammar, north of point 585013N 0165523E

**SOUTH:** Hold south of Bergshammar, south of point 584413N 0165525E

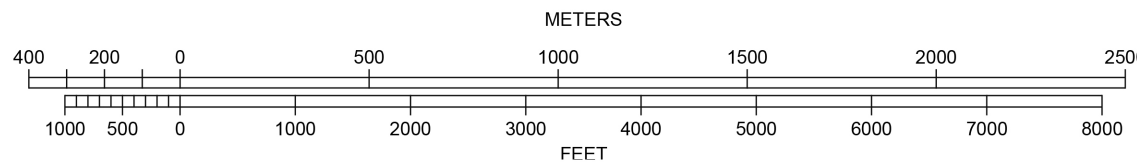
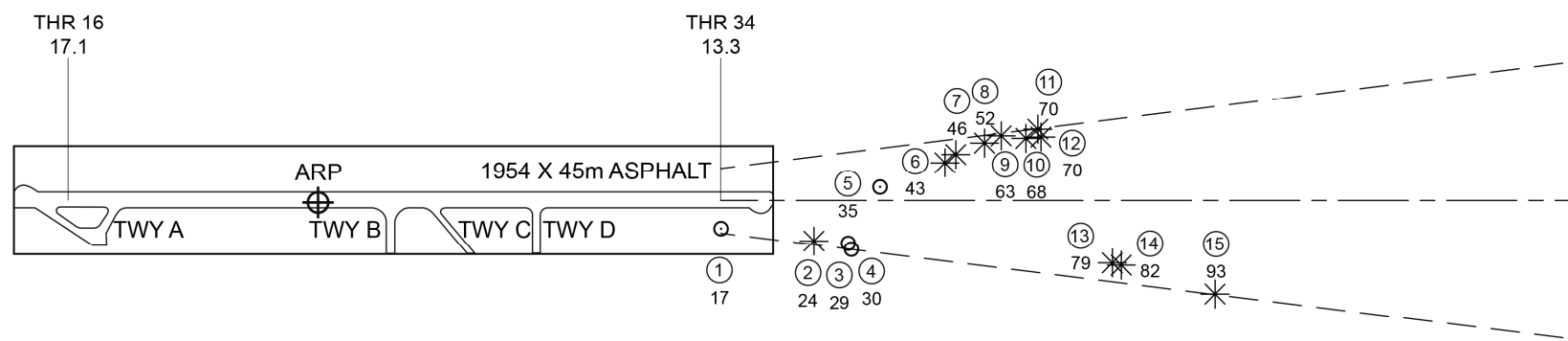
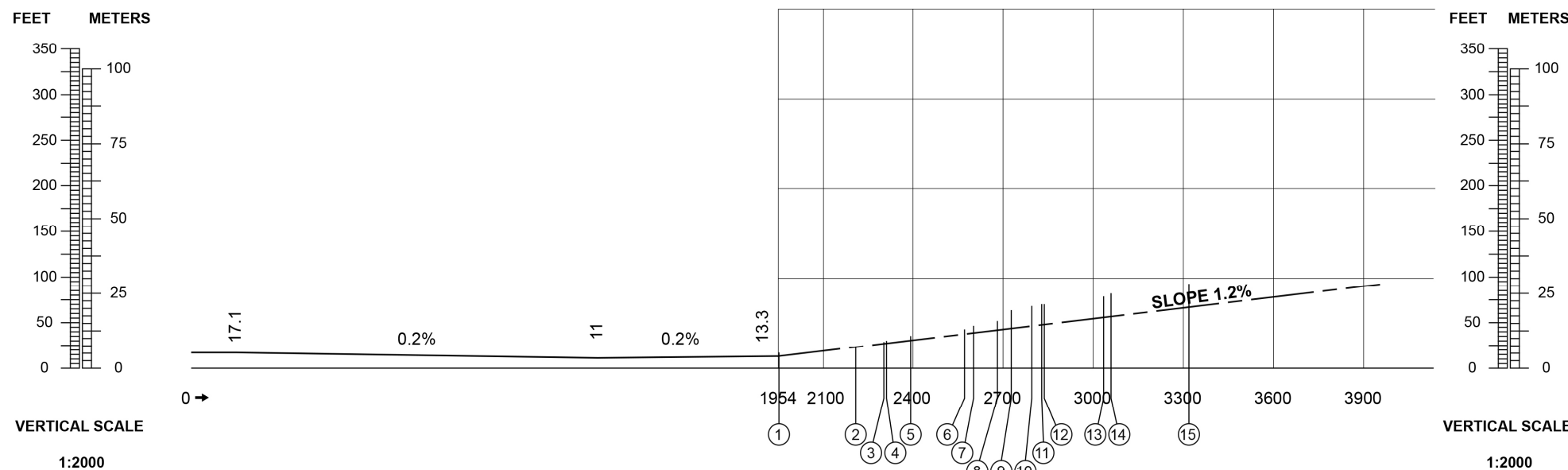
**Legend**  
See GEN 2.3



**AERODROME ELEVATION 17 FEET**  
MAGNETIC VARIATION 7° E 2020

**RUNWAY BEARINGS**  
16 = GEO 160.16°; MAG 153°

| RWY 16 | DECLARED DISTANCES          |
|--------|-----------------------------|
| 1954   | TAKE-OFF RUN AVAILABLE      |
| 1954   | TAKE-OFF DISTANCE AVAILABLE |
| 1954   | ACCELERATE DIST. AVAILABLE  |
| 1804   | LANDING DISTANCE AVAILABLE  |



ORDER OF ACCURACY  
Horizontal 5m  
Vertical 1 ft

| LEGEND                             |   |
|------------------------------------|---|
| IDENTIFICATION NUMBER              | ① |
| POLE, TOWER, SPIRE, ANTENNA, ETC.  | ○ |
| TREE OR SHRUB                      | * |
| TERRAIN PENETRATING OBSTACLE PLANE | — |



**VISUAL APPROACH CHART - ICAO**

1:250000

1 0 1 2 3 4 5 km

1 0 1 2 3 NM

**AD ELEV 394 FEET**

ELEV and ALT in ft  
HGT in ft above AD ELEV

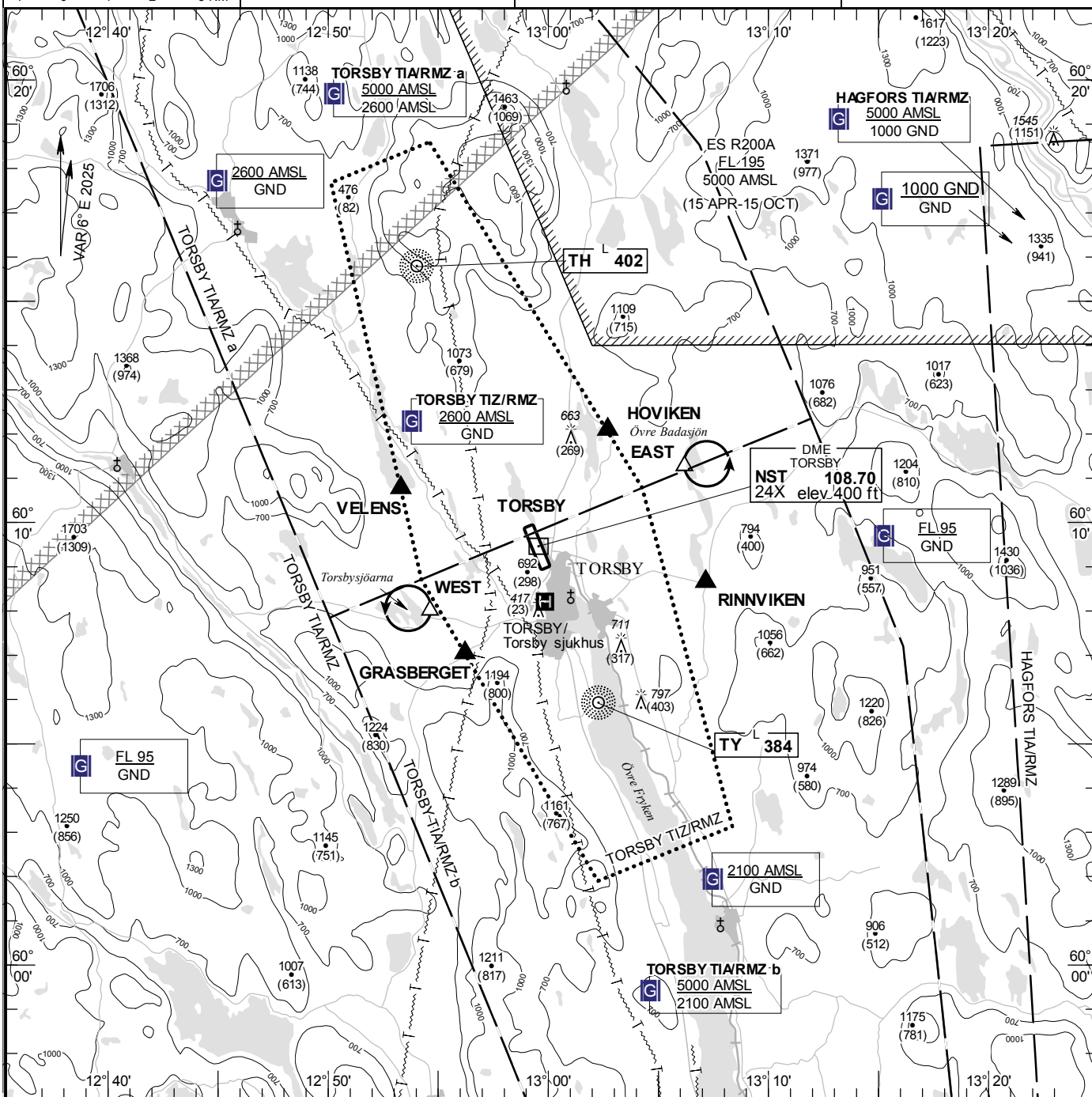
**TA 5000 AMSL**

**TORSBY INFORMATION**

**122.055**

**AD 2 ESST 6-1**

**TORSBY SWEDEN**



**Communication failure**

NIL

**Remark**

NIL

| RWY NR | THR ELEV | PAPI (MEHT)        |
|--------|----------|--------------------|
| 16     | 350 ft   | Left/3.50° (16 ft) |
| 34     | 394 ft   | Left/3.50° (16 ft) |

**Entry / exit point**

|            |                  |
|------------|------------------|
| VELENS     | 601046N 0125318E |
| HOVIKEN    | 601205N 0130242E |
| RINNVIKEN  | 600839N 0130709E |
| GRASBERGET | 600702N 0125613E |

**Legend**

See GEN 2.3

**Holding**

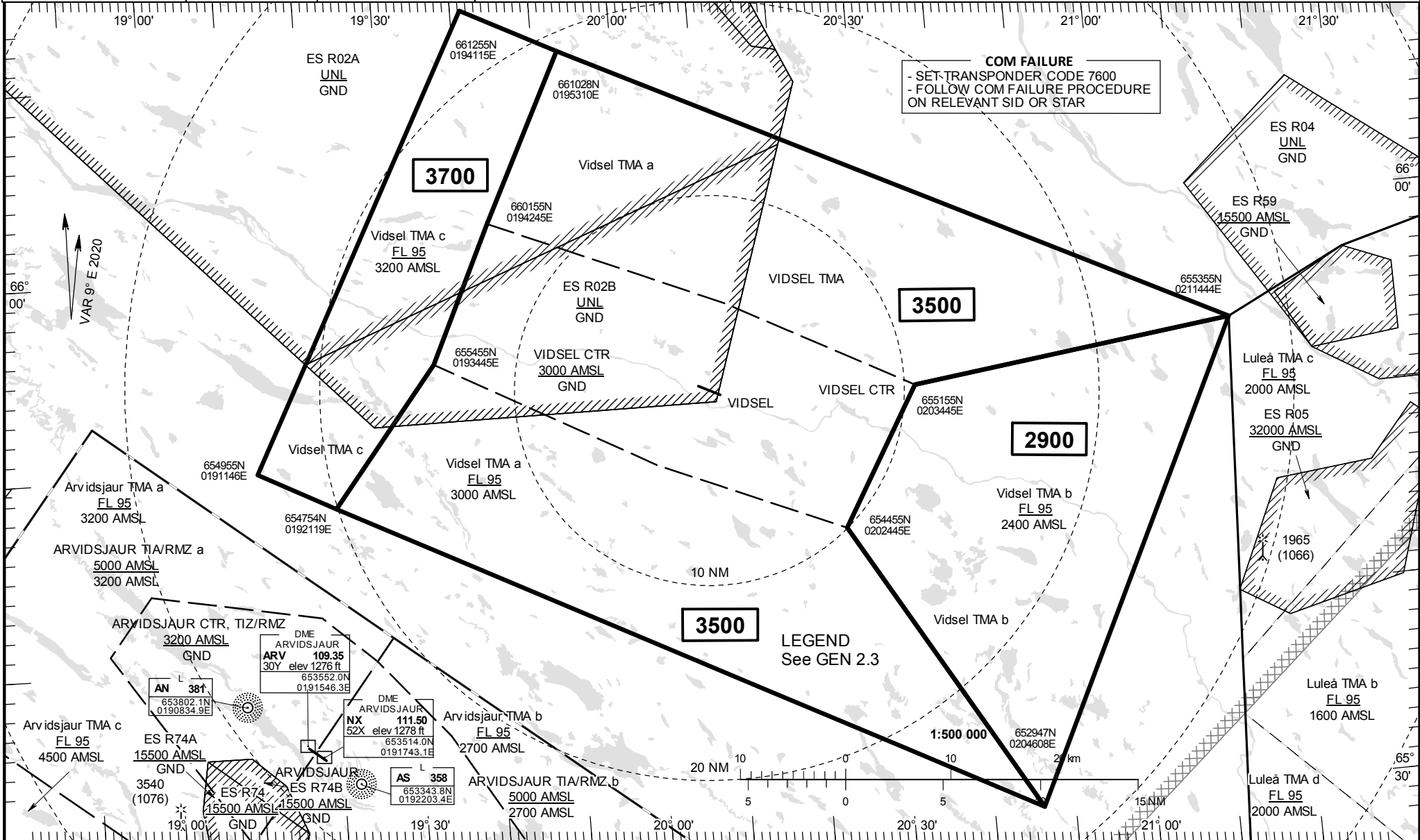
|              |  |
|--------------|--|
| <b>EAST:</b> | Hold at lake Övre Badasjön, east of point 601116N 0130611E |
| <b>WEST:</b> | Hold at lake Torsbysjöarna, west of point 600800N 0125437E |





HGT and ALT in ft  
TA 5000 AMSL

THIS CHART MAY ONLY BE USED FOR CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST IN RECEIPT OF RADAR SERVICE  
LEVELS ASSIGNED BY ATC INCLUDE A CORRECTION FOR LOW TEMPERATURE EFFECT



Reverse side intentionally blank



**ESNZ 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

- |    |                                     |   |
|----|-------------------------------------|---|
| 1. | Apron surface and strength          | Apron East ASPH PCN 23 F/B/X/T<br>Apron North ASPH PCN 55 F/B/X/T   |
| 2. | Taxiway width, surface and strength | TWY A 10 m ASPH PCN 25 F/B/X/T only available during daylight<br>TWY B 15 m ASPH PCN 30 F/B/X/T<br>TWY F 18 m ASPH PCN 71 F/B/X/T<br>TWY G 23 m ASPH PCN 38 F/B/X/T |
| 3. | ACL, location and elevation         | -   |
| 4. | VOR checkpoints                     | -   |
| 5. | INS checkpoints                     | See AD 2 ESNZ 2-1   |
| 6. | Remarks                             | -   |

**ESNZ 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

- |    |   |   |
|----|---|---|
| 1. | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of ACFT stands | Taxi guide lines and signs. Marshalling available   |
| 2. | RWY and TWY markings and LGT  | RWY 12/30: Designator, THR, TDZ, CL and edges are day marked.<br>RTHL, REDL, RENL, RCLL<br><br>RWY 12: RTZL<br><br>TWY A: CL day marked<br>B: CL, HLDG day marked. Edge lights, RGL<br>F: CL, HLDG day marked. CL LGT, RGL<br>G: CL, HLDG day marked. CL LGT, RGL |
| 3. | Stop bars   | Not available   |
| 4. | Remarks   | -   |

**ESNZ 2.10 AERODROME OBSTACLES**

| In Area 2           |            |                      |                     |                           |         |
|---------------------|------------|----------------------|---------------------|---------------------------|---------|
| OBST ID/Designation | OBST type  | OBST position        | ELEV/HGT<br>in feet | Markings/ Type,<br>colour | Remarks |
| a                   | b          | c                    | d                   | e                         | f       |
| ESNZ1               | Sign       | 631115.7N 0143139.4E | 1250 / -            | -                         | -       |
| ESNZ2               | Vegetation | 631109.3N 0143201.7E | 1268 / -            | -                         | -       |
| ESNZ3               | Vegetation | 631109.8N 0143203.1E | 1271 / -            | -                         | -       |
| ESNZ4               | Tree       | 631046.0N 0143559.5E | 1495 / -            | -                         | -       |

| In Area 3           |           |               |          |                           |         |
|---------------------|-----------|---------------|----------|---------------------------|---------|
| OBST ID/Designation | OBST type | OBST position | ELEV/HGT | Markings/ Type,<br>colour | Remarks |
| a                   | b         | c             | d        | e                         | f       |
| Not available       |           |               |          |                           |         |

**ESNZ 2.11 METEOROLOGICAL INFORMATION PROVIDED**

|     |   |  |
|-----|---|--|
| 1.  | Associated MET Office   | STOCKHOLM/Arlanda  |
| 2.  | Hours of service<br>MET Office outside hours  | H24  |
| 3.  | Office responsible for TAF preparation<br>Periods of validity, interval of issuance | STOCKHOLM/Arlanda<br>9 HR, <a href="https://tafplanner.smhi.se/app.php/production-program">https://tafplanner.smhi.se/app.php/production-program</a> |
| 4.  | Type of landing forecast<br>Interval of issuance                                    | Not issued   |
| 5.  | Briefing/consultation provided  | FPC H24, +46 (0)8 797 63 40, <a href="http://www.lfv.se/fpc">www.lfv.se/fpc</a>  |
| 6.  | Flight documentation<br>Language(s) used  | TAF, METAR, SIGMET, Upper air winds<br>Swedish/English   |
| 7.  | Charts and other information available for<br>briefing or consultation              | SWC, WC, Nordic SIGWX Chart, Low level forecast  |
| 8.  | Supplementary equipment available for<br>providing information                      | -  |
| 9.  | ATS units provided with information   | ÖSTERSUND TWR/RTC Stockholm  |
| 10. | Additional information (limitation of service,<br>etc.)                             | Flight planning room available   |

## ESNZ 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations<br>RWY<br>NR | True BRG and<br>MAG BRG | Dimensions of<br>RWY (m) | Strength (PCN) and<br>surface of RWY and<br>SWY | THR coordinates<br>RWY end coordinates<br>THR geoid undulation | THR elevation and<br>highest elevation of<br>TDZ of precision<br>APCH RWY |
|---------------------------|-------------------------|--------------------------|---|--|---|
| 1                         | 2                       | 3                        | 4   | 5  | 6   |
| 12                        | 114.67° GEO<br>110° MAG | 2500 x 45                | PCN 55 F/B/X/T<br>ASPH                          | 631155.71N<br>0142845.98E<br><br>GUND 104.2 ft                 | THR 1194.3 ft<br>TDZ 1194.3 ft  |
| 30                        | 294.71° GEO<br>290° MAG | 2500 x 45                | PCN 55 F/B/X/T<br>ASPH                          | 631121.99N<br>0143128.43E<br><br>GUND 105 ft                   | THR 1233 ft   |

| Designations<br>RWY<br>NR | Slope of<br>RWY-SWY | SWY<br>dimensions (m) | CWY<br>dimensions (m) | Strip<br>dimensions (m) | RESA<br>dimensions (m) |
|---------------------------|---------------------|-----------------------|-----------------------|-------------------------|------------------------|
| 1                         | 7                   | 8                     | 9                     | 10                      | 11                     |
| 12                        | See ESNZ AOC        | -                     | -                     | 2710 x 280              | 90 x 90                |
| 30                        | See ESNZ AOC        | -                     | -                     | 2710 x 280              | 90 x 90                |

| Designations<br>RWY<br>NR | Location/<br>description<br>of arresting<br>system | OFZ<br>(Yes/No) | Remarks   |
|---------------------------|--|-----------------|---|
| 1                         | 12   | 13              | 14  |
| 12                        | -  | Yes             | Transverse slope.<br>RWY non cambered,<br>single crossfall<br>from right to left. |
| 30                        | -  | No              | Transverse slope.<br>RWY non cambered,<br>single crossfall<br>from left to right. |

## ESNZ 2.13 DECLARED DISTANCES

| RWY Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m) | Remarks |
|----------------|----------|----------|----------|---------|---------|
| 1              | 2        | 3        | 4        | 5       | 6       |
| 12             | 2500     | 2500     | 2500     | 2500    | -       |
| 30             | 2500     | 2500     | 2500     | 2500    | -       |

## DECLARED DISTANCES TAKE-OFF INTERSECTIONS

| RWY Designator | INTERSECTION | TORA (m) | TODA (m) | ASDA (m) | Remarks |   |
|----------------|--------------|----------|----------|----------|---------|---|
| 1              |              | 2        | 3        | 4        | 5       | 6 |
| 12             | TWY G        | 1907     | 1907     | 1907     | -       | - |

## ESNZ 2.14 APPROACH AND RUNWAY LIGHTING

| RWY Designator   | APCH LGT Type, LEN INTST               | THR LGT Colour WBAR | VASIS (MEHT)                    | TDZ LGT LEN | RWY Centre Line LGT LEN, Spacing Colour INTST  | RWY Edge LGT LEN, Spacing Colour INTST                    | RWY End LGT Colour WBAR | SWY LGT LEN, Colour |
|--|--|---------------------|---------------------------------|-------------|--|---|-------------------------|---------------------|
| 1  | 2                                      | 3                   | 4                               | 5           | 6  | 7   | 8                       | 9                   |
| 12   | Barrette CL<br>CAT III<br>720 m<br>LIH | Green               | PAPI<br>Left/3.00°<br>(53.8 ft) | 893 m       | 2500/15 m<br>0-1600 m<br>white,<br>1600-2200 m<br>white/red,<br>2200-2500 m<br>red.<br>LIH | 2500/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIH | Red                     | -                   |
| 30   | Barrette CL<br>SALS<br>420 m<br>LIH    | Green               | PAPI<br>Left/3.00°<br>(68.2 ft) | -           | 2500/15 m<br>0-1600 m<br>white,<br>1600-2200 m<br>white/red,<br>2200-2500 m<br>red.<br>LIH | 2500/60 m<br>White<br>Caution zone<br>600 m yellow<br>LIH | Red                     | -                   |
| 10 Remarks: RWY 12: LED lights on RTHL, REDL, RENL, RCLL, RTZL and APCH<br>RWY 30: LED lights on RTHL, REDL, RENL, RCLL and APCH |  |                     |                                 |             |  |   |                         |                     |

## ESNZ 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

- |    |  |   |
|----|--|---|
| 1. | ABN/IBN location, characteristics and hours of operation | Not available   |
| 2. | LDI location and LGT<br>Anemometer location and LGT      | Unlighted windsocks at RWY ends.<br>Lighted windsock southwest of FATO A.<br>At RWY ends, lighted |
| 3. | TWY edge and centre line lighting                        | Edge: TWY B<br><br>CL: TWY F, G<br><br>LED lights on TWY F and G centre line lights               |
| 4. | Secondary power supply/switch-over time                  | Available/1 sec   |
| 5. | Remarks  | -   |

## ESNZ 2.16 HELICOPTER LANDING AREA

FATO A established on TWY A. Approach- and departure direction parallel to RWY 12/30.  
FATO F established on TWY F east of apron North. Approach- and departure direction parallel to RWY 12/30.  
FATO A and F for daylight and VMC operations. During IMC or darkness RWY 12/30 to be used.  
Airtaxiing to parking by directive from TWR.

## ESNZ 2.17 ATS AIRSPACE

|    |                                   |                                      |  |
|----|-----------------------------------|--------------------------------------|--|
| 1. | Designation and lateral limits    | ÖSTERSUND CTR                        | 631716N 0141449E - 631706N 0142949E -<br>631344N 0145149E - 630636N 0144349E -<br>630408N 0143749E - 630756N 0142109E -<br>631236N 0141009E - 631716N 0141449E |
| 2. | Vertical limits                   | ÖSTERSUND CTR                        | 3050 ft AMSL<br>GND  |
| 3. | Airspace classification           | C                                    |  |
| 4. | ATS unit call sign<br>Language(s) | ÖSTERSUND TOWER<br>Swedish/English   |  |
| 5. | Transition altitude               | 6000 ft AMSL                         |  |
| 6. | Remarks                           | CTR established during hours of TWR. |  |

## ESNZ 2.18 ATS COMMUNICATION FACILITIES

| Service designation | Call sign       | Channel/Frequency | Hours of operation | Remarks               |
|---------------------|-----------------|-------------------|--------------------|-----------------------|
| 1                   | 2               | 3                 | 4                  | 5                     |
| TWR/APP             | ÖSTERSUND TOWER | 135.655           | HO                 | Primary channel       |
|                     |                 | 130.905           | HO                 | By directive from ATS |
|                     |                 | 121.500           | HO                 | -                     |
|                     |                 | 122.100           | HX                 | By directive from ATS |
|                     |                 | 131.705           | HO                 | De-icing              |

## ESNZ 2.19 RADIO NAVIGATION AND LANDING AIDS

| Type of aid<br>CAT of ILS/MLS<br>(for VOR/ILS/MLS<br>give VAR) | ID  | Frequency  | Hours of<br>operation | Site of<br>transmitting<br>antenna<br>coordinates | Elevation of DME<br>transmitting<br>antenna | Remarks   |
|--|-----|------------|-----------------------|---|---|---|
| 1  | 2   | 3          | 4                     | 5   | 6   | 7   |
| LOC 12<br>ILS CAT III<br>(5° E 2020)                           | PC  | 109.50 MHz | H24                   | 631116.4N<br>0143155.2E                           |   | 412 m beyond THR 30<br>ILS Class III/E/4  |
| GP   |     | 332.60 MHz | H24                   | 631154.2N<br>0142913.7E                           |   | Angle 3.0° RDH 51.2 ft<br>371 m past THR 12 left side.<br>During winter angle may vary<br>BTN 2.86° and 3.14° due snow. |
| L 30   | DJ  | 312 kHz    | H24                   | 631041.4N<br>0143503.5E                           |   | Range 15 NM   |
| DVOR/DME<br>(5° E 2020)  | OSS | 114.65 MHz | H24                   | 631158.4N<br>0142915.2E                           | 1201 ft                                     | DME channel 93Y<br>No VOR/DME coverage BTN<br>R-120 and R-150 outside OSS<br>DME 25 below 6600 ft AMSL.                 |
| DME  | PC  | 109.50 MHz | H24                   | 631154.4N<br>0142913.8E                           | 1227 ft                                     | 370 m past THR 12 left side<br>DME channel 32X  |

## ESNZ 2.20 LOKALA TRAFIKFÖRESKRIFTER

1. Alla luftfartyg ska begära start-up från ATC. Klarering lämnas på begäran före begäran om start-up. Klareringen utfärdas för gällande bana och tillämplig SID eller utpasseringspunkt ur TMA.

## LOCAL TRAFFIC REGULATIONS

1. All aircraft shall request start-up from ATC. ATC clearance will be delivered on request prior to start-up. Such clearance will be issued for RWY in use, appropriate SID or TMA exit point.

2. Dagligen mellan 2100-0500 (2000-0400) får flygplatsen inte trafikeras av flygplan certifierade enligt Annex 16, Volume I, Part II, Chapter 2.

3. Kontakta TWR eller ledsagning på platta innan flyttning av flygplan från anvisad parkering.

4. Motorkörning av luftfartyg på plattor kräver tillstånd från flygtrafikledning eller Swedavia under flygplatsens publicerade öppethållningstider, på andra tider skall luftfartyg som motorkör passa flygtrafikledningens kanal 135.655.

5. Uttaxning från platta Norr  
Under uttaxning från platta Norr skall luftfartyg övergå från "Break away" till "Idle" så snart det kommit i rullning. Fart < 3 km/h och noshjulvinkel 80% gäller vid utkörning/sväng från uppställningsplats 1-4. När luftfartyg passerar gränsen platta - taxibana får mer gaspådrag nyttjas.

2. Daily between 2100-0500 (2000-0400) the aerodrome must not be used by aircraft certificated in accordance with ICAO Annex 16, Volume I, Part II, Chapter 2.

3. Contact TWR or Marshal on apron before moving aircraft from advised parking.

4. Test running of engines in connection with maintenance requires permission from TWR or Swedavia during AD operating hours, if test running outside AD operating hours aircraft must monitor TWR channel 135.655.

5. Taxi from apron North  
When taxiing from apron North, aircraft should reduce thrust from "Break away" to "Idle" as soon as the aircraft has started rolling. When taxiing from stand 1-4, speed < 3 km/h and nose wheel angle 80% applies. When aircraft has reached the taxiway more thrust may be used.

## ESNZ 2.21 MINSKNING AV BULLERSTÖRNING

Start RWY 12 samt landning RWY 30 är inte tillåten om inte vind eller trafikförhållanden så kräver.

## NOISE ABATEMENT PROCEDURES

Take-off RWY 12 or landing RWY 30 is not permitted unless wind or traffic conditions so require.

## ESNZ 2.22 FLYGPROCEDURER

1. Ankommande IFR-trafik inom Östersund TMA/CTR

Standardflygvägar för ankommande IFR-trafik (P-RNAV STAR och STAR) är upprättade enligt ESNZ 4-17 -- 4-26.

2. Avgående IFR-trafik inom Östersund TMA/CTR

Standardflygvägar för avgående IFR-trafik (P-RNAV SID och SID) är upprättade enligt ESNZ 4-7 -- 4-13 och ESNZ 4-23/24.

3. Startprocedurer, omnidirectional

## FLIGHT PROCEDURES

1. Inbound IFR traffic within Östersund TMA/CTR

Standard Instrument Arrival (P-RNAV STAR and STAR) are established in accordance with ESNZ 4-17 -- 4-26.

2. Outbound IFR traffic within Östersund TMA/CTR

Standard Instrument Departure (P-RNAV SID and SID) are established in accordance with ESNZ 4-7 -- 4-13 and ESNZ 4-23/24.

3. Omnidirectional departure procedures

| RWY | Procedure  | Significant obstacle |                |                                   |
|-----|--|----------------------|----------------|-----------------------------------|
|     |  | Obstacle             | Elevation (ft) | Direction (GEO)/Dist (m) from THR |
| 12  | Climb straight ahead with MNM 260 ft/NM (4.3%) to MNM turning ALT 2800 ft.<br>Continue climb to appropriate MSA. | Tower                | 1650           | 107°/6245                         |
|     |  | Antenna              | 2577           | 148°/11445                        |
| 30  | Climb straight ahead to MNM turning ALT 2000 ft.<br>Continue climb to appropriate MSA.                           | Antenna              | 2577           | 156°/9452                         |

4. Lågsiktsprocedurer (LVP)

LVP träder i kraft senast när bansynvidden (RVR) är lägre än 550 m eller när molntäckeshöjden eller vertikalsikten är lägre än 200 ft.

Meddelande om att LVP är i kraft lämnas av ATS.

Uppstart/driftsättning av LVP tar upp till 30 min.

När LVP tillämpas tillåts endast fordon alternativt ett luftfartyg på manöverområdet.

4. Low visibility procedures (LVP)

LVP will be in force at latest when RVR falls below 550 m or ceiling or vertical visibility is below 200 ft.

The application of LVP will be announced by ATS.

The preparation phase of LVP lasts approximately 30 min.

When LVP is applied vehicles or only one aircraft is allowed in the manoeuvring area.



## 5. VFR-flygning inom Östersund TMA/CTR

Normala in- och utpasseringspunkter  
Se ESNZ 6-1

Väntlägen  
Se ESNZ 6-1

Avbrott i radioförbindelse  
Se ESNZ 6-1

## 6. Inflygningsprocedur RNP y RWY 12 (AR)

Anslut på RNP y RWY 12 (AR) via RNAV (GNSS) STAR OSLAV 1H eller DOFOK 1H alternativt via radarvektorer, max 45° anslutningsvinkel. RNAV 1 gäller för STAR OSLAV 1H och DOFOK 1H.

## 5. VFR flight within Östersund TMA/CTR

Normal entry and exit points  
See ESNZ 6-1

Holdings  
See ESNZ 6-1

Communication failure  
See ESNZ 6-1

## 6. Approach procedure RNP y RWY 12 (AR)

Join RNP y RWY 12 (AR) via RNAV (GNSS) STAR OSLAV 1H or DOFOK 1H or via radar vectors, max 45° intercept angle. RNAV 1 valid for STAR OSLAV 1H or DOFOK 1H.

**ESNZ 2.23 ÖVRIG INFORMATION**

1. ATS-tjänst bedrivs från RTC Stockholm.
2. Signalstrålkastare placerad på R-TWR.
3. GÖVIKEN/Helikopterflygplats ESJH

Med anledning av helikopterflygplats vid Göviken, ca 6500 m öster om ARP, kan försening uppstå vid trafik till/från ESJH med ambulanshelikopter anmäld som HOSP.

## 4. Beviljade undantag från krav i CS-ADR-DSN

- Längdlutning på banan är maximum 1.14%.
- Första fjärdedelen av bana 30 har länglutning maximum 1.08%.
- Sista fjärdedelen av bana 12 har länglutning maximum 1.08%.
- Fasta hinder genomtränger hinderbegränsande ytor.
- RWY 12: Sättningszonljus (RTZL) 893 m.
- Medeltexturdjupet på banans beläggning är godkänd till 0.8 mm.

**ADDITIONAL INFORMATION**

1. ATS provided from RTC Stockholm.
2. Signalling lamp positioned at R-TWR.
3. GÖVIKEN/Heliport ESJH

Due to heliport at Göviken, aprx 6500 m E ARP, delays may occur when ambulance helicopter declared as HOSP is flying to/from ESJH.

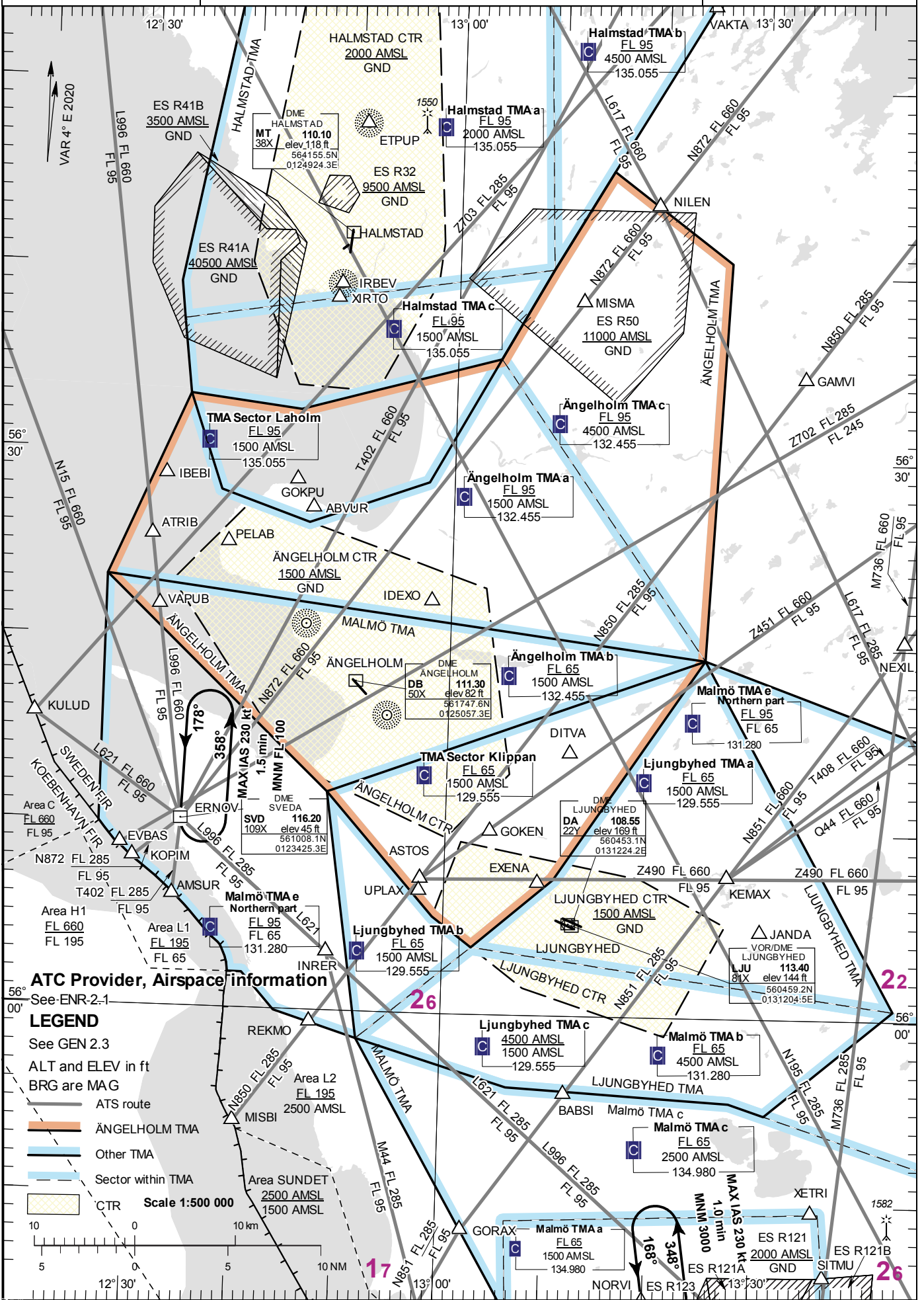
## 4. Granted exemptions from requirements in CS-ADR-DSN

- Longitudinal slope of the runway is maximum 1.14%.
- RWY 30: The first quarter of the length of runway longitudinal slope is 1.08%.
- RWY 12: The last quarter of the length of runway longitudinal slope is 1.08%.
- Fixed obstacles penetrating the obstacle area.
- RWY 12: Touchdown zone lights (RTZL) 893 m.
- Average surface texture depth on the runway is approved to be 0.8 mm.

## ESNZ 2.24 TILLHÖRANDE KARTOR

## RELATED CHARTS

|  |                   |           |
|--|-------------------|-----------|
| AD chart                                 |                   | ESNZ 2-1  |
| AOC                                      |                   | ESNZ-3-1  |
| PATC                                     | RWY 12            | ESNZ-3-3  |
| Area chart                               | (TMA)             | ESNZ 4-1  |
| List of Waypoints and significant points |                   | ESNZ 4-3  |
| RNAV SID General                         |                   | ESNZ 4-5  |
| RNAV (GNSS) SID                          | RWY 12            | ESNZ 4-7  |
| RNAV (GNSS) SID                          | RWY 30            | ESNZ 4-11 |
| RNAV STAR General                        |                   | ESNZ 4-15 |
| RNAV (GNSS) STAR                         | RWY 12            | ESNZ 4-17 |
| RNAV (GNSS) STAR                         | RWY 30            | ESNZ 4-19 |
| SID/STAR                                 | RWY 12            | ESNZ 4-23 |
| STAR                                     | RWY 30            | ESNZ 4-25 |
| ATC Surveillance<br>Minimum ALT chart    |                   | ESNZ 4-91 |
| IAC                                      | ILS or LOC RWY 12 | ESNZ 5-1  |
| IAC                                      | VOR RWY 12        | ESNZ 5-3  |
| IAC                                      | VOR RWY 30        | ESNZ 5-5  |
| IAC                                      | NDB RWY 30        | ESNZ 5-6  |
| IAC                                      | RNP RWY 30        | ESNZ 5-7  |
| IAC                                      | RNP z RWY 12      | ESNZ 5-9  |
| IAC                                      | RNP y RWY 12 (AR) | ESNZ 5-11 |
| VAC                                      |                   | ESNZ 6-1  |

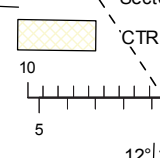


ATC Provider, Airspace information

See ENR-2-1

LEGEND

- See GEN 2.3
- ALT and ELEV in ft
- BRG are MAG
- ATS route
- ÄNGELHOLM TMA
- Other TMA
- Sector within TMA
- CTR





**AD 2 AERODROMES****ESOE 2.1 AERODROME LOCATION INDICATOR AND NAME****ESOE – ÖREBRO****ESOE 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- |    |  |   |
|----|--|---|
| 1. | ARP coordinates and site at AD               | 591341N 0150224E RWY 935 m from THR 19  |
| 2. | Direction and distance from (city)           | WSW 5.6 NM from Örebro  |
| 3. | Elevation/Reference temperature              | 192 ft/+25.4°C  |
| 4. | Geoid undulation at AD ELEV PSN              | 94 ft   |
| 5. | MAG VAR/Annual change                        | 6° E 2020/+0.2 increasing   |
| 6. | Administration, address, telephone, fax, AFS | Örebro Läns Flygplats AB<br>Örebro Airport<br>SE-705 94 Örebro<br>TEL: +46 (0)19 30 70 00<br>FAX: +46 (0)19 24 11 13<br>E-mail: handling@orebroairport.se<br>AFS: ESOEZTX<br>Website: www.orebroairport.se            |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 4E  |
| 8. | Remarks                                      | PPR outside TWR HR of OPS<br>PPR for commercial traffic and aircraft exceeding MTOM 2000 kg.<br>Requests shall be made during hours of AD administration to:<br>handling@orebroairport.se or TEL: +46 (0)19 30 70 34. |

**ESOE 2.3 OPERATIONAL HOURS**

- |     |   |  |
|-----|---|--|
| 1.  | AD Administration<br>AD Operating hours | MON-FRI 0700-1500 (0600-1400)<br>As ATS  |
| 2.  | Customs and immigration                 | O/R TEL +46 (0)40 661 32 20  |
| 3.  | Health and sanitation                   | -  |
| 4.  | AIS Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc  |
| 5.  | ATS Reporting Office (ARO)              | As ATS   |
| 6.  | MET Briefing Office                     | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc  |
| 7.  | ATS                                     | Ref AIP SUP/NOTAM  |
| 8.  | Fuelling                                | As ATS and O/R   |
| 9.  | Handling                                | O/R  |
| 10. | Security                                | O/R  |
| 11. | De-Icing                                | O/R  |
| 12. | Remarks                                 | Marshalling available during hours of TWR. No marshall service on GA apron. Increased charges outside TWR HR of OPS. |

**ESOE 2.4 HANDLING SERVICES AND FACILITIES**

|    |  |  |
|----|--|--|
| 1. | Cargo-handling facilities              | Available, all types   |
| 2. | Fuel/oil types                         | Fuel Jet A1<br>Oil -   |
| 3. | Fuelling facilities/discharge capacity | Jet A1: 180,000 l stationary, 70,000 l fuel truck  |
| 4. | De-icing facilities                    | Available, type I and II, mobile units   |
| 5. | Hangar space for visiting ACFT         | Limited  |
| 6. | Repair facilities for visiting ACFT    | O/R TEL +46 (0)19 24 10 88 (TAM - Täby Air Maintenance AB)   |
| 7. | Remarks                                | Fuel Supplier Shell.<br>For payment of fuel Shell Carnet accepted, for Visa and Mastercard assistance is required. |

**ESOE 2.5 PASSENGER FACILITIES**

|    |                      |                    |
|----|----------------------|--------------------|
| 1. | Hotels               | In Örebro          |
| 2. | Restaurants          | At AD              |
| 3. | Transportation       | Taxis, rental cars |
| 4. | Medical facilities   | In Örebro          |
| 5. | Bank and Post Office | In Örebro          |
| 6. | Tourist Office       | In Örebro          |
| 7. | Remarks              | -                  |

**ESOE 2.6 RESCUE AND FIRE FIGHTING SERVICES**

|    |   |   |
|----|---|---|
| 1. | AD category for fire fighting               | CAT 7 for SKED TFC. Other O/R. MAX CAT 10.  |
| 2. | Rescue equipment                            | Tracked vehicle   |
| 3. | Capability for removal of disabled aircraft | By arrangement, suitable for aircraft up to ref code 4F.<br>Contact : Aerodrome Team leader +46 (0)19 30 70 28  |
| 4. | Remarks                                     | During periods of reduced aerodrome activity, RFFS level of protection may be lowered to a level corresponding to the largest aircraft using the aerodrome during that period. Non-commercial operations and specialised operation below 5700 kg exempted or O/R. |

**ESOE 2.7 SEASONAL AVAILABILITY – CLEARING**

|    |                             |  |
|----|-----------------------------|--|
| 1. | Types of clearing equipment | Snowploughs, blowers, sweepers, slingers, spreaders  |
| 2. | Clearance priorities        | RWY, TWY, Apron, Emergency access road.  |
| 3. | Remarks                     | RWY, TWY and Apron de-iced with KFOR/SAND.<br>Snowclearance/Moving outside TWR HR of OPS can be conducted. |



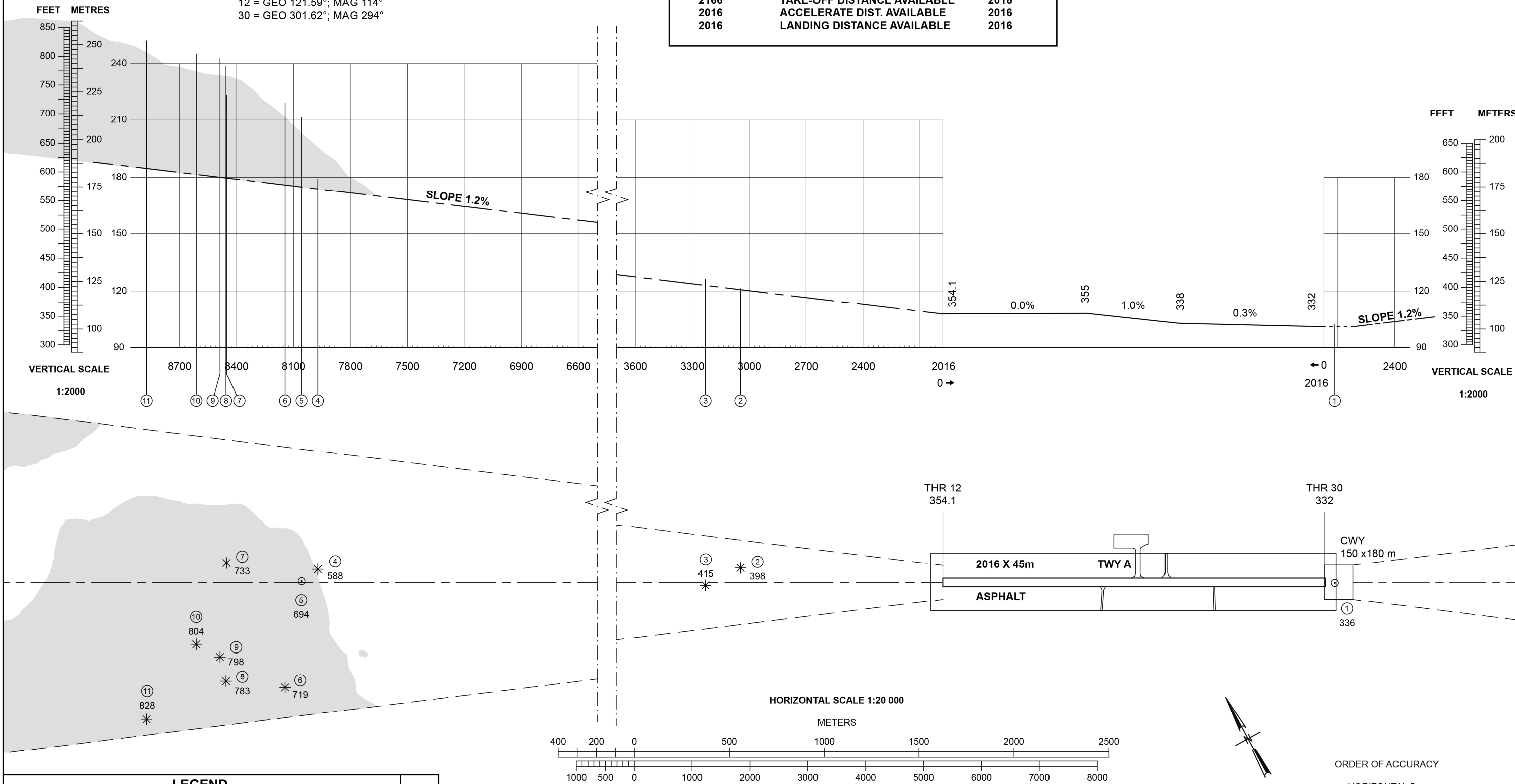




**AERODROME ELEVATION 355 FEET**  
MAGNETIC VARIATION 8° E 2020

**RUNWAY BEARINGS**  
12 = GEO 121.59°; MAG 114°  
30 = GEO 301.62°; MAG 294°

| RWY 12 | DECLARED DISTANCES          | RWY 30 |
|--------|-----------------------------|--------|
| 2016   | TAKE-OFF RUN AVAILABLE      | 2016   |
| 2166   | TAKE-OFF DISTANCE AVAILABLE | 2016   |
| 2016   | ACCELERATE DIST. AVAILABLE  | 2016   |
| 2016   | LANDING DISTANCE AVAILABLE  | 2016   |



| LEGEND                             |   |
|------------------------------------|---|
| IDENTIFICATION NUMBER              | ① |
| POLE, TOWER, SPIRE, ANTENNA, ETC.  | ○ |
| TREE OR SHRUB                      | ✱ |
| TERRAIN PENETRATING OBSTACLE PLANE | ▬ |

ORDER OF ACCURACY  
HORIZONTAL 5 m  
VERTICAL 1 ft

