

## AD 2 AERODROMES

## ESST 2.1 AERODROME LOCATION INDICATOR AND NAME

## ESST – TORSBY

## ESST 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

- |    |  |  |
|----|--|--|
| 1. | ARP coordinates and site at AD               | 600917N 0125937E RWY 475 m from THR 34   |
| 2. | Direction and distance from (city)           | NNW 1.5 NM from Torsby   |
| 3. | Elevation/Reference temperature              | 394 ft/+21.5°C   |
| 4. | Geoid undulation at AD ELEV PSN              | 106 ft   |
| 5. | MAG VAR/Annual change                        | 5° E 2020/+0.2 increasing  |
| 6. | Administration, address, telephone, fax, AFS | Torsby flygplats AB<br>89. Flygplatsen<br>SE-685 80 Torsby<br>TEL: +46 (0)560 717 24, +46 (0)560 106 54<br>FAX: +46 (0)560 143 99<br>E-mail: airport.esst@torsby.se<br>AFS: ESSTZTX<br>Website: www.torsbyflygplats.se |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 3C   |
| 8. | Remarks                                      | PPR for IFR traffic: TEL +46 (0)560 717 24,<br>E-mail: ats.torsby@acr-sweden.se.<br>IFR traffic is only allowed when ATS is open.  |

## ESST 2.3 OPERATIONAL HOURS

- |     |   |  |
|-----|---|--|
| 1.  | AD Administration<br>AD Operating hours | O/R<br>H24   |
| 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                                     | MON-FRI 0430-0545, 0815-0950, 1500-1615, 1715-1850<br>(0330-0445, 0715-0850, 1400-1515, 1615-1750)<br>OTHER HR O/R TEL +46 (0)560 717 24 |
| 8.  | Fuelling                                | O/R MON-FRI 0600-1600 (0500-1500) TEL +46 (0)560 717 24  |
| 9.  | Handling                                | O/R  |
| 10. | Security                                | O/R  |
| 11. | De-Icing                                | HX   |
| 12. | Remarks                                 | -  |

**ESST 2.4 HANDLING SERVICES AND FACILITIES**

1.	Cargo-handling facilities	-
2.	Fuel/oil types	Fuel Jet A1, 100LL Oil -
3.	Fuelling facilities/discharge capacity	Jet A1: 30,000 l, stationary unit 100LL: 10,000 l, stationary unit
4.	De-icing facilities	Available, Type I and II
5.	Hangar space for visiting ACFT	-
6.	Repair facilities for visiting ACFT	Limited
7.	Remarks	For payment of fuel major credit cards accepted.

**ESST 2.5 PASSENGER FACILITIES**

1.	Hotels	In Torsby
2.	Restaurants	In Torsby
3.	Transportation	Taxis
4.	Medical facilities	In Torsby
5.	Bank and Post Office	In Torsby
6.	Tourist Office	In Torsby
7.	Remarks	-

**ESST 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1.	AD category for fire fighting	Commercial and SKED traffic, CAT 3 O/R
2.	Rescue equipment	By arrangement, municipal rescue service
3.	Capability for removal of disabled aircraft	By arrangement
4.	Remarks	-

**ESST 2.7 SEASONAL AVAILABILITY – CLEARING**

1.	Types of clearing equipment	Sweeper/blower, snow slinger
2.	Clearance priorities	RWY, TWY, Apron
3.	Remarks	No clearing SAT, SUN and HOL

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

1.	Apron surface and strength	Apron ASPH PCN 37 F/C/W/T
2.	Taxiway width, surface and strength	TWY A 15 m ASPH PCN 37 F/C/W/T TWY B 10 m ASPH PCN 15 F/B/X/T
3.	ACL, location and elevation	Apron 396 ft
4.	VOR checkpoints	-
5.	INS checkpoints	-
6.	Remarks	TWY B max code letter B aircraft.

**ESST 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 | -   |
| 2. | RWY and TWY markings and LGT  | RWY 16/34: Designator, THR, CL and edges are day marked.<br>RTHL, REDL, RENL.<br><br>TWY A: CL, HLDG day marked, edge LGT, RGL.<br>B: CL, HLDG day marked, edge LGT, RGL. |
| 3. | Stop bars   | -   |
| 4. | Remarks   | -   |

## ESST 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/Designation	OBST type	OBST position	ELEV/HGT in metres	Markings/ Type, colour	Remarks
a	b	c	d	e	f
ESST1	Forest	600857.6N 0130000.7E	123.3 / -	-	-
ESST2	LOC	600855.2N 0125955.0E	125.3 / -	-	-
ESST3	Forest	600853.7N 0130005.7E	129.3 / -	-	-
ESST4	Forest	600848.1N 0125959.1E	132.4 / -	-	-
ESST5	Forest	600843.4N 0125953.8E	138.6 / -	-	-
ESST6	Building	600814.9N 0130049.0E	158.4 / -	-	-
ESST7	Shrub	600954.2N 0125859.9E	109.8 / -	-	-
ESST8	Shrub	600957.0N 0125859.7E	111.4 / -	-	-
ESST9	Forest	601006.1N 0125846.6E	121.0 / -	-	-
ESST10	Forest	601012.2N 0125838.8E	125.9 / -	-	-
ESST11	Forest	601051.9N 0125756.3E	150.3 / -	-	-
ESST12	Forest	601054.2N 0125755.8E	151.1 / -	-	-
ESST13	Forest	601102.9N 0125754.5E	154.8 / -	-	-
ESST14	Forest	601213.5N 0125632.8E	215.2 / -	-	-
ESST15	Forest	601212.8N 0125624.0E	231.6 / -	-	-
ESST16	Forest	601235.0N 0125603.3E	252.1 / -	-	-
ESST17	Forest	601237.2N 0125606.8E	256.3 / -	-	-
ESST18	Forest	601239.1N 0125615.7E	257.4 / -	-	-
ESST19	Pole	601241.1N 0125610.0E	273.9 / -	-	-
ESST20	Forest	601243.6N 0125617.8E	286.9 / -	-	-
ESST21	Forest	601315.9N 0125634.5E	300.3 / -	-	-
ESST22	Forest	601324.1N 0125620.2E	314.9 / -	-	-
ESST23	Forest	601330.9N 0125559.6E	328.5 / -	-	-
ESST24	Forest	601335.0N 0125606.6E	334.5 / -	-	-
ESST25	Forest	601338.6N 0125559.3E	344.8 / -	-	-
In Area 3					
OBST ID/Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour	Remarks
a	b	c	d	e	f
Not available					

## ESST 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET Office	STOCKHOLM/Arlanda
2.	Hours of service MET Office outside hours	H24
3.	Office responsible for TAF preparation Periods of validity	TAF not produced
4.	Type of landing forecast Interval of issuance	Not issued
5.	Briefing/consultation provided	FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc
6.	Flight documentation Language(s) used	METAR, SIGMET, Upper air winds 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	TORSBY AFIS
10.	Additional information (limitation of service, etc.)	Flight planning room available

## ESST 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	True BRG and MAG BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APCH RWY
1	2	3	4	5	6
16	157.70° GEO 153° MAG	1590 x 30	PCN 37 F/C/W/T ASPH	600950.31N 0125909.75E  GUND 107 ft	THR 350 ft
34	337.71° GEO 333° MAG	1590 x 30	PCN 37 F/C/W/T ASPH	600902.77N 0125948.85E  GUND 106 ft	THR 394 ft

  

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
16 See ESST AOC	-	-	1770 x 300	-	See AD chart for strip limitation.
34 See ESST AOC	-	-	1770 x 300	-	See AD chart for strip limitation.

## ESST 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
16	1590	1590	1590	1590	-
34	1590	1590	1590	1590	-

**ESST 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	Barrette CAT I 900 m LIH	Green	PAPI Left/3.50° (16.4 ft)	-	-	1590/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
34	SALS 420 m LIH	Green	PAPI Left/3.50° (16.4 ft)	-	-	1590/60 m White Caution zone 600 m yellow LIL/LIH	Red	-

10 Remarks: -

**ESST 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 RWY ends, lighted. 15 m north DME NST, lighted.
3. TWY edge and centre line lighting Edge: TWY A, B  
CL: -
4. Secondary power supply/switch-over time Available/4.5 sec
5. Remarks -

**ESST 2.16 HELICOPTER LANDING AREA**

RWY 16/34 to be used

**ESST 2.17 ATS AIRSPACE**

1. Designation and lateral limits TORSBY TIZ/RMZ 601640N 0125653E - 601047N 0130416E - 600442N 0130659E - 600323N 0130030E - 600843N 0125414E - 601530N 0125108E - 601640N 0125653E
2. Vertical limits TORSBY TIZ/RMZ 1000 ft GND  
GND
3. Airspace classification G
4. ATS unit call sign Language(s) TORSBY INFORMATION Swedish/English
5. Transition altitude 5000 ft AMSL
6. Remarks Continuous two-way radiocommunication required in TIZ/RMZ. TIZ/RMZ established during hours of AFIS.

**ESST 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Channel/Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	TORSBY INFORMATION	122.055	HX	-
		121.500	HX	-

**ESST 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aid CAT of ILS/MLS (for VOR/ILS/MLS give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
LOC 16 (5° E 2020)	NST	108.70 MHz	HO	600855.3N 0125955.0E		250 m beyond THR 34
L 16	TH	402 kHz	H24	601546.7N 0125401.5E		Range 15 NM
LOC 34 (5° E 2020)	ST	110.90 MHz	HO	601001.7N 0125900.4E		380 m beyond THR 16 Positive guidance only between ±10° from approach line
L 34	TY	384 kHz	H24	600555.0N 0130216.7E		Range 25 NM
DME	NST	108.70 MHz	H24	600927.9N 0125933.4E	400 ft	DME channel 24X

**ESST 2.20 LOKALA TRAFIKFÖRESKRIFTER**

1. Skol- och övningsflygning med upprepade start och landningar ej tillåtet mellan 2100-0500 (2000-0400).

2. Då ATS är stängt ska visuell kontroll av start- och landningsbana genomföras innan start med luftfartyg för att säkerställa att ingen fordonstrafik eller verksamhet pågår inom manöverområdet.

Inför landning ska en s.k. "visuell överflygning" genomföras, för att säkerställa att ingen fordonstrafik eller annan verksamhet pågår inom manöverområdet.

**LOCAL TRAFFIC REGULATIONS**

1. School and training flights with repeated TKOF and LDG not permitted between 2100-0500 (2000-0400).

2. When ATS is closed, a visual check of the runway shall be conducted before take off to ensure that there are no other activities or vehicles occupying the movement area.

Before landing, a "visual fly over check" shall be conducted to ensure that there are no other activities or vehicles occupying the movement area.

**ESST 2.21 MINSKNING AV BULLERSTÖRNING**

Start och landning över Torsby samhälle ska undvikas om det kan ske utan flygsäkerhetspåverkan.

**NOISE ABATEMENT PROCEDURES**

Take off and landing over Torsby community should be avoided if possible without flight safety impact.

## ESST 2.22 FLYGPROCEDURER

## FLIGHT PROCEDURES

Startprocedurer, omnidirectional

Omnidirectional departure procedures

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
16	Climb straight ahead to MNM 210 ft/NM (3.5%) to MNM turning ALT 1500 ft AMSL. Continue climb to appropriate MSA.	(CIO) Tree	477	164°/1969
		Terrain	1181	180°/11133
34	Climb straight ahead with MNM 300 ft/NM (4.8%) to MNM turning ALT 1800 ft AMSL. Continue climb to appropriate MSA.	(CIO) Tree	395	333°/1610
		Tree	671	349°/4680
		Pole	1131	337°/9300
		Pylon	1921	354°/15700

Lägsta RVR för avgående trafik är 550 m.

Minimum RVR for departing traffic is 550 m.

## ESST 2.23 ÖVRIG INFORMATION

## ADDITIONAL INFORMATION

- Omfattande segelflygverksamhet JUN – JUL
- Störande belysning från sportfält 1100 m S om THR RWY 34.
- Nya flygoperatörer vid Torsby flygplats med luftfartyg tillhörande referenskodsiffran 3 skall ha tagit del av den aktuella hindersituationen och övriga avsteg från referenskod 3C innan flygplatsen trafikeras. Dokumentation tillhandahålls av flygplatsen. Flygoperatören skall innan trafiken påbörjas redovisa för flygplatsen att de kan operera på ett säkert sätt.
- Undantag från krav i CS ADR-DSN för flygplatsreferenskod 3C:
  - Delar av stråket uppfyller inte krav på stråkbredd.
  - Tvårlutningen på den del av stråket som är mellan banan och den östra hangarplattan uppfyller inte lutningskravet på max 2.5% på den graderade delen.
  - Det finns fasta föremål på stråket, vilka avviker från kravet.
  - Avstånd från väntplats för TWY B till banans centrumlinje är 60 m, vilket avviker från kravet på 75 m.
  - Det finns hinder i den koniska ytan, horisontella ytan, inflygningsytan, start- och stigyten, övergångsytor och stråkytor.
  - Det finns fasta hinder i flygplatsens hinderbegränsande ytor som inte är försedda med hinderljus.

- Extensive gliding activity JUN – JUL
- Disturbing lights from sports ground located 1100 m S of THR RWY 34.
- New operators at Torsby AD with aircraft belonging to aerodrome reference code number 3 shall review the obstacle situation and other deviations from reference code 3C. Documentation of the deviations is available from the aerodrome administration. Before the traffic commences, the operator must present to the aerodrome that they can operate safely.
- Exemptions from requirements in CS ADR-DSN for aerodrome reference code 3C:
  - Parts of the runway strip does not fulfil the requirement for width of runway strip.
  - The transverse slope on the strip between the runway and the hangar apron east of the runway does not fulfil the requirement of max 2.5% on the graded part.
  - There are objects on the runway strip, which do not fulfil the requirement.
  - Distance between the runway holding position on TWY B and the runway centre line is 60 m, the requirement is 75 m.
  - There are obstacles penetrating the conical surface, horizontal surface, approach surface, take-off- and climb surface, transitional surfaces and the strip surface.
  - There are fixed objects within the aerodrome's obstacle limitation surfaces that are not lighted.



**ESST 2.24 TILLHÖRANDE KARTOR****RELATED CHARTS**

AD chart		ESST 2-1
AOC	RWY 16/34	ESST-3-1
List of waypoints and significant points		ESST 4-3
IAC	LOC RWY 16	ESST 5-1
IAC	NDB RWY 16	ESST 5-2
IAC	LOC RWY 34	ESST 5-3
IAC	NDB RWY 34	ESST 5-4
IAC	RNP RWY 16	ESST 5-5
IAC	RNP RWY 34	ESST 5-9
VAC		ESST 6-1