AD 2 AERODROMES

ESKS 2.1 AERODROME LOCATION INDICATOR AND NAME

ESKS - SÄLEN/SCANDINAVIAN MOUNTAINS

ESKS 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	**ARP coordinates and site at AD**	610953N 0125002E RWY centre point
2.	**Direction and distance from (city)**	E 4NM from Sälen
3.	**Elevation/Reference temperature**	1649 ft/+19.8°C
4.	**Geoid undulation at AD ELEV PSN**	112 ft
5.	**MAG VAR/Annual change**	5° E (2020)/+0.2 increasing
6.	**Name of aerodrome operator, address, telephone, telefax numbers, AFS, e-mail, website**	Scandinavian Mountains Airport AB Flygplatsvägen 4 SE-780 67 Sälen TEL: +46 280 48 19 00 E-mail: info@scandinavianmountains.se AFS: ESKSZTZX Website: www.scandinavianmountains.se
7.	**Types of traffic permitted (IFR/VFR)**	IFR/VFR. Max RWY ref code 4E
8.	**Remarks**	PPR for all traffic. PPR forms on AD website

ESKS 2.3 OPERATIONAL HOURS

1.	**AD operator**	Published on AD website
	AD Operating hours	According to granted PPR request
2.	**Customs and immigration**	O/R
3.	**Health and sanitation**	-
4.	**AIS Briefing Office**	FPC, H24, +46 8 797 63 40, www.lfv.se/fpc
5.	**ATS Reporting Office (ARO)**	As ATS
6.	**MET Briefing Office**	FPC, H24, +46 8 797 63 40, www.lfv.se/fpc
7.	**ATS**	Ref AIP SUP/NOTAM
8.	**Fuelling**	O/R
9.	**Handling**	O/R
10.	**Security**	O/R
11.	**De-Icing**	O/R
12.	**Remarks**	-

ESKS 2.4 HANDLING SERVICES AND FACILITIES

1.	**Cargo-handling facilities**	O/R
2.	**Fuel and oil types**	Fuel: Jet A1 Oil: -
3.	**Fuelling facilities and capacity**	Jet A1: 1 X 20 000 l. Trucks
4.	**De-icing facilities**	Type I and II, mobile unit
5.	**Hangar space for visiting ACFT**	-
6.	**Repair facilities for visiting ACFT**	-
7.	**Remarks**	Jet A1 Shell TEL +46 280 48 19 00

ESKS 2.5 PASSENGER FACILITIES

1.	**Hotels**	Sälenfjällen, Trysil
2.	**Restaurants**	At AD/Sälenfjällen, Trysil
3.	**Transportation**	Bus, taxis, rental cars
4.	**Medical facilities**	In Sälen, Trysil
5.	**Bank and Post Office**	Bank: In Sälen, Trysil Post: In Sälen, Trysil
6.	**Tourist Office**	In Sälen, Trysil
7.	**Remarks**	-

ESKS 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	**AD category for fire fighting**	CAT 7
2.	**Rescue equipment**	By arrangement
3.	**Capability for removal of disabled aircraft**	By arrangement
4.	**Remarks**	Rescue and fire fighting services AVBL O/R and during ATS opening hours

ESKS 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1.	**Types of clearing equipment**	Snow ploughs, blowers, sweepers, spreaders, sprayer
2.	**Clearance priorities**	RWY, TWY, Apron
3.	**Use of material for movement area surface treatment**	RWY and TWYs de-iced with KFOR/NAFO Aprons de-iced with SAND
4.	**Specially prepared winter runways**	-
5.	**Remarks**	-

ESKS 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1.	**Apron surface and strength**	Apron GA ASPH PCN 60/F/B/X/T Apron 1 ASPH PCN 60/F/B/X/T
2.	**Taxiway width, surface and strength**	TWY A 23 m ASPH PCN 60/F/B/X/T
3.	**ACL, location and elevation**	THR 15 1644 ft THR 33 1644 ft
4.	**VOR checkpoints**	-
5.	**INS checkpoints**	-
6.	**Remarks**	-

ESKS 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 15/33: Designator, THR, TDZ, CL, edges day marked. RTHL, REDL, RENL, RGL TWY: CL, HLDG, Edge day marked. CL LGT, RGL
3.	**Stop bars**	See ESKS Aerodrome Chart
4.	**Remarks**	-

ESKS 2.10 AERODROME OBSTACLES

In Area 2				
OBST ID/Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour**
a	**b**	**c**	**d**	**e**
ESKS1	NAVAID	610913.1N 0125057.2E	1645 ft / -	-
ESKS2	NAVAID	610909.0N 0125102.8E	1660 ft / -	-
ESKS3	NAVAID	610909.9N 0125105.7E	1664 ft / -	-
ESKS4	VEGETATION	610855.6N 0125112.1E	1674 ft / -	-
ESKS5	VEGETATION	610855.3N 0125112.8E	1676 ft / -	-
ESKS6	VEGETATION	610857.7N 0125122.7E	1679 ft / -	-
ESKS7	VEGETATION	610857.9N 0125124.0E	1683 ft / -	-
ESKS8	VEGETATION	610857.8N 0125124.4E	1684 ft / -	-
ESKS9	VEGETATION	610839.5N 0125202.7E	1729 ft / -	-
ESKS10	VEGETATION	610831.9N 0125212.7E	1740 ft / -	-
ESKS11	VEGETATION	610827.6N 0125218.3E	1759 ft / -	-
ESKS12	VEGETATION	610802.5N 0125303.0E	1885 ft / -	-
ESKS13	VEGETATION	610800.8N 0125309.0E	1906 ft / -	-
ESKS14	NAVAID	611031.0N 0124910.8E	1648 ft / -	-
ESKS15	NAVAID	611034.8N 0124905.6E	1648 ft / -	-
ESKS16	NAVAID	611035.8N 0124908.5E	1653 ft / -	-
ESKS17	BUILDING	611034.9N 0124903.8E	1655 ft / -	-
ESKS18	VEGETATION	611038.9N 0124853.4E	1656 ft / -	-
f Remarks:	-			

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

ESKS 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, interval of issuance**	STOCKHOLM/ARLANDA 9 HR, https://tafplanner.smhi.se/app.php/production-program
4.	**Trend forecast** **Interval of issuance**	-
5.	**Briefing/consultation provided**	FPC H24, +46 8 797 63 40, www.lfv.se/fpc
6.	**Flight documentation** **Language(s) used**	TAF, 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**	SÄLEN TWR
10.	**Additional information (limitation of service, etc.)**	Flight planning room available on GA apron O/R

ESKS 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	True 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
15	146.57°	2500 x 45	PCN 60/F/B/X/T ASPH	611026.83N 0124916.50E GUND 112.6 ft	THR 1643.8 ft TDZ: 1643.8 ft
33	326.60°	2500 x 45	PCN 60/F/B/X/T ASPH	610919.41N 0125048.57E GUND 112.3 ft	THR 1643.8 ft TDZ: 1648.9 ft

Designations RWY NR	Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	RESA dimensions (m)
1	7	8	9	10	11
15	See ESKS AOC	-	300 x 150	2620 x 280	240 x 90
33	See ESKS AOC	-	300 x 150	2620 x 280	240 x 90

Designations RWY NR	Location/ description of arresting system	OFZ (Yes/No)	Remarks
1	12	13	14
15	-	-	-
33	-	-	-

ESKS 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
15	2500	2800	2500	2500	-
33	2500	2800	2500	2500	-

ESKS 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
15	CAT II/III 900 M LIH	Green	PAPI Left side/3.00° 54 ft	900 m	2500/15 m 0-1600 m white, 1600-2200 m white/red, 2200-2500 m red LIH	2500/60 m White Caution zone 600 m yellow LIH	Red	-

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
33	CAT II/III 900 M LIH	Green	PAPI Right side/3.00° 55 ft	900 m	2500/15 m 0-1600 m white, 1600-2200 m white/red, 2200-2500 m red LIH	2500/60 m White Caution zone 600 m yellow LIH	Red	-
10 Remarks:	RWY 15: Barrette CL RWY 33: Barrette CL							

ESKS 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	**ABN/IBN location, characteristics and hours of operation**	-
2.	**LDI location and LGT**	At Aiming points
	Anemometer location and LGT	At Aiming points
3.	**TWY edge and centre line lighting**	Edge: - CL: A LED lights on TWY A centre line lights LED lights on all RGL LED lights on all STOP bars
4.	**Secondary power supply/switch-over time**	Available/1 sec
5.	**Remarks**	-

ESKS 2.16 HELICOPTER LANDING AREA

RWY 15/33 to be used

ESKS 2.17 ATS AIRSPACE

1.	**Designation and lateral limits**	SÄLEN CTR:	
		SECTOR A	611631N 0125022E - 611315N 0130037E - 610158N 0130442E - 610014N 0125916E - 610547N 0124148E along the FIR BDRY to point of origin.
		SECTOR B	611936N 0124038E - 611631N 0125022E along the FIR BDRY to 610547N 0124148E - 610630N 0123929E - 611751N 0123509E to point of origin.
2.	**Vertical limits**	SÄLEN CTR:	
		SECTOR A	4200 ft AMSL / GND
		SECTOR B	4200 ft AMSL / GND
3.	**Airspace classification**	C	

4.	**ATS unit call sign**	SÄLEN TOWER
	Language(s)	Swedish/English
5.	**Transition altitude**	6000 ft AMSL
6.	**Hours of applicability**	CTR established during hours of TWR. Sector b classified as RMZ outside hours of TWR.
7.	**Remarks**	-

ESKS 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channels	Hours of operation	Remarks
1	2	3	4	5
TWR	SÄLEN TOWER	124.460	HO	PRIMARY
		118.440	HX	By directive from TWR
		121.500	HO	-

ESKS 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	Service volume radius from GBAS reference point	Remarks
1	2	3	4	5	6	7	8
LOC 15 ILS CAT III (5° E 2020)	SAE	109.55 MHz	HO	610909.0N 0125102.8E	-	-	386 m past THR 33 LOC Class III/E/4 LOC not approved for use above a vertical angle of 4.7°, originating from position of localizer.
GP 15	-	332.45 MHz	HO	611019.5N 0124936.2E	-	-	Angle 3.00° RDH 52.2 ft 352 m past THR 15 Left side GP Class III/T/2
LOC 33 ILS CAT III (5° E 2020)	SAL	111.35 MHz	HO	611034.8N 0124905.6E	-	-	295 m past THR 15 LOC Class III/E/4
GP 33	-	332.15 MHz	HO	610929.0N 0125045.2E	-	-	Angle 3.00° RDH 50.5 ft 275 m past THR 33 Right side GP Class III/T/2
DME	SAE	109.55 MHz	HO	611019.6N 0124936.5E	1669 ft	-	DME Channel 32Y
DME	SAL	111.35 MHz	HO	610929.1N 0125045.4E	1674 ft	-	DME Channel 50Y

ESKS 2.20 LOKALA FLYGPLATSFÖRESKRIFTER

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

2. PPR för all trafik. PPR-formulär på flygplatsens hemsida.

ESKS 2.20 LOCAL AERODROME REGULATIONS

1. 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.

2. PPR for all traffic. PPR forms on AD website.

3. För luftfartyg med vingspann över 18 m krävs ledsagning in på GA-plattan.

3. Marshalling mandatory for aircraft with wingspan exceeding 18 m entering apron GA.

ESKS 2.21 BULLERREDUCERANDE FÖRFARANDEN

NIL

ESKS 2.21 NOISE ABATEMENT PROCEDURES

NIL

ESKS 2.22 FLYGPROCEDURER

1 Ankommande IFR-trafik inom SälenTMA/CTR

Flygvägar för ankommande trafik är upprättade enligt ESKS STARs.

2 Avgående IFR-trafik inom Sälen TMA/CTR

Flygvägar för avgående trafik är upprättade enligt ESKS SIDs.

3 Startprocedurer, omnidirectional

ESKS 2.22 FLIGHT PROCEDURES

1 Inbound IFR traffic within Sälen TMA/CTR

Arrival routes are established in accordance with ESKS STARs.

2 Outbound IFR traffic within Sälen TMA/CTR

Departure routes are established in accordance with ESKS SIDs.

3 Omnidirectional departure procedures

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
15	Climb straight ahead with MNM 280 ft/NM (4.6%) to MNM turning ALT 3000 ft. Continue climb to appropriate MSA. Sector 060º - 115º GEO from ARP not to be entered until 5200 ft is reached.	Tree	2096	137°/6410
		Terrain	3048	108°/9940
33	Climb straight ahead with MNM 240 ft/NM (3.9%) to MNM turning ALT 3000 ft. Continue climb to appropriate MSA. Sector 060º - 115º GEO from ARP not to be entered until 5200 ft is reached.	Terrain	3091	032°/12250
		Antenna	2916	009°/11220

4 Radiokommunikation

4.1 Dubbelriktad radioförbindelse

Avsteg från kraven på dubbelriktad radioförbindelse medges inte.

4.2 Avbrott i radioförbindelse

Luftfartyg ska följa de föreskrifter som anges i ENR 1.3 mom 10.1 gällande VMC. Under IMC gäller för ankommande luftfartyg följande:

4.2.1 Ankommande klarering mottagen och kvitterad:

Bibehåll senast klarerad flyghöjd, dock inte lägre än 5200ft. Följ ankommande klarering, sedan direkt LAJTA, angör väntläge LAJTA.

4.2.2 Om avbrott i radioförbindelse under vektorering för inflygning:

Bibehåll senast klarerad flyghöjd, dock inte lägre än 5200ft. Flyg direkt LAJTA, angör väntläge LAJTA.

4.2.3 Ankommande klarering inte mottagen och/eller kvitterad:

Bibehåll senast klarerad flyghöjd, dock inte lägre än 5200ft. Fortsätt via inpasseringspunkt i TMA till LAJTA, angör väntläge LAJTA.

4 Radio communication

4.1 Two-way radio communication

Exemption from two-way radio communication is not accepted.

4.2 Communication failure

Aircraft shall follow the procedures laid down in ENR 1.3 para 10.1 regarding VMC. In IMC an inbound aircraft shall apply the relevant procedures specified below:

4.2.1 Inbound clearance received and acknowledged:

Maintain last cleared level, but not below 5200ft. Proceed according to inbound clearance, then direct LAJTA, join LAJTA holding.

4.2.2 If communication failure during radar vectors for approach:

Maintain last cleared level, but not below 5200ft. Proceed direct LAJTA, join LAJTA holding.

4.2.3 No inbound clearance received and/or acknowledged:

Maintain last cleared level, but not below 5200ft. Proceed via TMA entry point to LAJTA, join LAJTA holding.

4.2.4 Efter ankomst över LAJTA:

RWY	
15	Sjunk i väntläge LAJTA till lägst 5200 ft. Fortsätt därefter direkt till punkt KS854, fortsätt inflygning via RNP transition, bibehåll 5200ft till passage av KS851.
33	Sjunk i väntläge LAJTA till lägst 5200ft. Fortsätt därefter direkt till punkt KS602, fortsätt inflygning via RNP transition, bibehåll 5200ft till passage av KS601.

4.2.4 After arrival over LAJTA:

RWY	
15	Descend in LAJTA holding to minimum 5200ft. Then proceed direct point KS854, continue approach via RNP transition, maintain 5200ft until passing KS851.
33	Descend in LAJTA holding to minimum 5200ft. Then proceed direct point KS602, continue approach via RNP transition, bibehåll 5200ft till passage av KS601.

4.3 Delad TWR-kanal utanför tornets öppethållning

Fordon på manöverområdet använder samma TWR-kanal som luftfartyg för att höja medvetenheten hos piloter och fordonsförare.

4.3 Shared TWR channel outside hours of TWR

Vehicles on the manoeuvring area are on the same TWR channel as aircraft to enhance pilot and vehicle driver awareness.

5 Lågsiktsprocedurer (LVP)

LVP är i drift när bansynvidden (RVR) är lägre än 550 m eller när molntäckeshöjden eller vertikalsikten är lägre än 200 ft. Tillämpning av LVP meddelas av ATC.

När LVP tillämpas tillåts endast ett luftfartyg eller fordon inom LVP-området (manöverområdet enligt ESKS Aerodrome Chart.

5 Low visibility procedures (LVP)

LVP are established and will be in force at latest when RVR falls below 550 m and/or the cloudbase is less than 200 ft or on request. The application of LVP will be announced by ATC.

When LVP is applied only one aircraft or vehicles are allowed in the LVP area (same as manoeuvring area on ESKS Aerodrome Chart.

6 VFR-flygning inom Sälen TMA/CTR

Normala in- och utpasseringspunkter
Se ESKS VAC

Väntlägen
Se ESKS VAC

6 VFR flight within Sälen TMA/CTR

Normal entry and exit points
See ESKS VAC

Holdings
See ESKS VAC

7 Användande av precisionsinflygning

Precisionsinflygning är inte tillåtet när ATS är stängt.

7 Use of precision approach

Precision approach is not allowed when ATS is closed.

ESKS 2.23 TILLÄGGSINFORMATION

1. Undantag från krav i CS ADR-DSN

Bana för precisionsinflygning – Fasta hinder genomtränger i följande hinderbegränsande ytor enligt förteckning:
Inflygningsyta bana 33
Horisontella ytan
Koniska ytan

Centrumljusen jämnt fördelade med avstånd 14.88 m.

Vändytorna är inte utformade för de längsta kod E-luftfartygen, mer information på begäran.

2. ATS-tjänst bedrivs från RTC Sundsvall.

3. Signalstrålkastare placerad på R-TWR.

ESKS 2.23 ADDITIONAL INFORMATION

1. Exemptions from requirements in CS ADR-DSN

Precision approach runways – Fixed obstacles penetrate the following obstacle limitation surfaces according to list:
Approach surface RWY 33
Horizontal surface
Conical surface

RWY Centre Line lights are evenly spaced at 14.88 m.

Turnpads are not designed for the longest code E aircraft, more information O/R.

2. ATS provided from RTC Sundsvall.

3. Signalling lamp positioned at R-TWR.

ESKS 2.24 FLYGKARTOR AVSEENDE EN FLYGPLATS

ESKS 2.24 AERONAUTICAL CHARTS RELATED TO AN AERODROME

Charts	*Pages*
Aerodrome Chart - ICAO	AD 2 ESKS 2 - 1

LIST OF WAYPOINTS AND SIGNIFICANT POINTS

See ESKS SÄLEN-SCANDINAVIAN MOUNTAINS 4

ESKS 2.25 GENOMTRÄNGANDE AV YTAN FÖR VISUELLA SEGMENTET (VSS)

-

ESKS 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

-