

AD 2 AERODROMES**ESNZ 2.1 AERODROME LOCATION INDICATOR AND NAME****ESNZ – ÅRE ÖSTERSUND****ESNZ 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- | | | |
|----|--|--|
| 1. | ARP coordinates and site at AD | 631140N 0143001E RWY centre point |
| 2. | Direction and distance from (city) | W 4.5 NM from Östersund |
| 3. | Elevation/Reference temperature | 1233 ft/+21.0°C |
| 4. | Geoid undulation at AD ELEV PSN | 105 ft |
| 5. | MAG VAR/Annual change | 5° E 2020/+0.2 increasing |
| 6. | Administration, address, telephone, fax, AFS | Swedavia AB
Åre Östersund Airport
SE-832 96 Frösön
TEL: +46 (0)10 109 56 00
FAX: +46 (0)10 109 56 09
E-mail: info@ostersundairport.se
AFS: ESNZZTZX
Website: www.swedavia.se/ostersund, www.swedavia.net |
| 7. | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 4C |
| 8. | Remarks | PPR for all non-scheduled flights, HOSP flights exempted.
PPR outside AD Operating hours.
Request shall be made to osd.groundhandling@swedavia.se during hours of AD administration. |

ESNZ 2.3 OPERATIONAL HOURS

- | | | |
|-----|---|--|
| 1. | AD Administration
AD Operating hours | MON-FRI 0700-1515 (0600-1415)
Ref AIP SUP/NOTAM |
| 2. | Customs and immigration | O/R TEL +46 (0)771 52 05 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) | FPC H24 |
| 6. | MET Briefing Office | FPC H24, +46 (0)8 797 63 40, www.lfv.se/fpc |
| 7. | ATS | TWR opens 15 min prior AD Operating hours. Closes as AD Operating hours |
| 8. | Fuelling | As AD Operating hours |
| 9. | Handling | O/R |
| 10. | Security | As AD Operating hours |
| 11. | De-Icing | As AD Operating hours |
| 12. | Remarks | Increased charges outside AD Operating hours.
Handling request shall be made during AD administration hours to osd.groundhandling@swedavia.se . |

ESNZ 2.4 HANDLING SERVICES AND FACILITIES

- | | | |
|----|--|--|
| 1. | Cargo-handling facilities | Limited |
| 2. | Fuel/oil types | Fuel Jet A1, 100LL
Oil - |
| 3. | Fuelling facilities/discharge capacity | Jet A1: 20,000 l fuel truck
100LL: 10,000 l stationary |
| 4. | De-icing facilities | Available, Type I and II, mobile unit |
| 5. | Hangar space for visiting ACFT | Not available |
| 6. | Repair facilities for visiting ACFT | Not available |
| 7. | Remarks | Fuel supplier AirBP.
For payment of fuel only BP fuel card or BP fuel release.
Fuel 100LL self service only. |

ESNZ 2.5 PASSENGER FACILITIES

- | | | |
|----|----------------------|-----------------------------|
| 1. | Hotels | In Östersund and Frösö Park |
| 2. | Restaurants | In Östersund and Frösö Park |
| 3. | Transportation | Buses, taxis, rental cars |
| 4. | Medical facilities | In Östersund |
| 5. | Bank and Post Office | In Östersund |
| 6. | Tourist Office | In Östersund |
| 7. | Remarks | - |

ESNZ 2.6 RESCUE AND FIRE FIGHTING SERVICES

- | | | |
|----|---|---|
| 1. | AD category for fire fighting | CAT 7. During periods of reduced aerodrome activity, REFF level of protection may be lowered to a level corresponding to the largest aircraft using the aerodrome during that period. |
| 2. | Rescue equipment | Off road vehicle |
| 3. | Capability for removal of disabled aircraft | By arrangement. Airport Duty Officer during AD
Operating hours. TEL: +46 (0)10 109 56 25 |
| 4. | Remarks | - |

ESNZ 2.7 SEASONAL AVAILABILITY – CLEARING

- | | | |
|----|-----------------------------|---|
| 1. | Types of clearing equipment | Blowers, sweepers, slingers, spreaders |
| 2. | Clearance priorities | RWY, TWY, Apron |
| 3. | Remarks | RWY, TWYs and aprons de-iced with UREA/SAND |

ESNZ 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

- | | | |
|----|-------------------------------------|---|
| 1. | Apron surface and strength | Apron East ASPH PCN 23 F/B/X/T
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
TWY B 15 m ASPH PCN 30 F/B/X/T
TWY F 18 m ASPH PCN 71 F/B/X/T
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 | <p>RWY 12/30: Designator, THR, TDZ, CL and edges are day marked. RTHL, REDL, RENL, RCLL</p> <p>RWY 12: RTZL</p> <p>TWY A: CL day marked
 B: CL, HLDG day marked. Edge lights, RGL
 F: CL, HLDG day marked. CL LGT, RGL
 G: CL, HLDG day marked. CL LGT, RGL</p> |
| 3. | Stop bars | Not available |
| 4. | Remarks | - |

ESNZ 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/Designation	OBST type	OBST position	ELEV/HGT in feet	Markings/ Type, 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, 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
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. | 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 | 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 | ÖSTERSUND TWR/RTC Stockholm |
| 10. | Additional information (limitation of service,
etc.) | Flight planning room available |

ESNZ 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
12	114.67° GEO 110° MAG	2500 x 45	PCN 55 F/B/X/T ASPH	631155.71N 0142845.98E GUND 104.2 ft	THR 1194.3 ft TDZ 1194.3 ft
30	294.71° GEO 290° MAG	2500 x 45	PCN 55 F/B/X/T ASPH	631121.99N 0143128.43E GUND 105 ft	THR 1233 ft

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
12 See ESNZ AOC	-	-	2710 x 280	-	Transverse slope. RWY non cambered, single crossfall from right to left.
30 See ESNZ AOC	-	-	2710 x 280	-	Transverse slope. RWY non cambered, single crossfall 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 CAT III 720 m LIH	Green	PAPI Left/3.00° (53.8 ft)	893 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	-
30	Barrette CL SALS 420 m LIH	Green	PAPI Left/3.00° (68.2 ft)	-	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 12: LED lights on RTHL, REDL, RENL, RCLL, RTZL and APCH 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
Anemometer location and LGT | Unlighted windsocks at RWY ends.
Lighted windsock southwest of FATO A.
At RWY ends, lighted |
| 3. | TWY edge and centre line lighting | Edge: TWY B

CL: TWY F, G

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 parallell to RWY 12/30.
FATO F established on TWY F east of apron North. Approach- and departure direction parallell 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 -
631344N 0145149E - 630636N 0144349E -
630408N 0143749E - 630756N 0142109E -
631236N 0141009E - 631716N 0141449E |
| 2. | Vertical limits | ÖSTERSUND CTR | 3050 ft AMSL
GND |
| 3. | Airspace classification | C | |
| 4. | ATS unit call sign
Language(s) | ÖSTERSUND TOWER
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 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 12 ILS CAT III (5° E 2020)	PC	109.50 MHz	H24	631116.4N 0143155.2E		412 m beyond THR 30 ILS Class III/E/4
GP		332.60 MHz	H24	631154.2N 0142913.7E		Angle 3.0° RDH 51.2 ft 371 m past THR 12 left side. During winter angle may vary BTN 2.86° and 3.14° due snow.
L 30	DJ	312 kHz	H24	631041.4N 0143503.5E		Range 15 NM
DVOR/DME (5° E 2020)	OSS	114.65 MHz	H24	631158.4N 0142915.2E	1201 ft	DME channel 93Y No VOR/DME coverage BTN R-120 and R-150 outside OSS DME 25 below 6600 ft AMSL.
DME	PC	109.50 MHz	H24	631154.4N 0142913.8E	1227 ft	370 m past THR 12 left side 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.
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.

ESNZ 2.21 MINSKNING AV BULLERSTÖRNING

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

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

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. 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.

NOISE ABATEMENT PROCEDURES

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

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. Continue climb to appropriate MSA.	Tower	1650	107°/6245
		Antenna	2577	148°/11445
30	Climb straight ahead to MNM turning ALT 2000 ft. 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.

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.

Uppstart/driftsättning av LVP tar upp till 30 min.

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

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.

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 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 längdlutning maximum 1.08%.
 - Sista fjärdedelen av bana 12 har längdlutning 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		ESNZ 4-91
Minimum ALT chart		
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