

**AD 2 AERODROMES****ESNO 2.1 AERODROME LOCATION INDICATOR AND NAME****ESNO – ÖRNSKÖLDSVIK****ESNO 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- |    |  |  |
|----|--|--|
| 1. | ARP coordinates and site at AD               | 632428N 0185933E RWY 800 m from THR 30   |
| 2. | Direction and distance from (city)           | NE 10 NM from Örnköldsvik  |
| 3. | Elevation/Reference temperature              | 355 ft/+18.5°C   |
| 4. | Geoid undulation at AD ELEV PSN              | 77 ft  |
| 5. | MAG VAR/Annual change                        | 8° E 2020/+0.2 increasing  |
| 6. | Administration, address, telephone, fax, AFS | Örnköldsvik Airport AB<br>Västanå 100<br>SE-896 91 Husum<br>TEL: +46 (0)660 874 00<br>FAX: +46 (0)660 874 07<br>E-mail: info@oer.se<br>AFS: ESNOZTX<br>Website: www.oer.se |
| 7. | Types of traffic permitted (IFR/VFR)         | IFR/VFR. Max RWY ref code 4C   |
| 8. | Remarks                                      | PPR outside TWR HR of OPS.<br>Request during TWR HR of OPS. TEL +46 (0)60 19 75 05   |

**ESNO 2.3 OPERATIONAL HOURS**

- |     |   |   |
|-----|---|---|
| 1.  | AD Administration<br>AD Operating hours | MON-FRI 0700-1500 (0600-1400)<br>Ref AIP SUP/NOTAM                                |
| 2.  | Customs and immigration                 | O/R TEL +46 (0)8 405 05 70, FAX +46 (0)8 654 06 11, tuk@tullverket.se             |
| 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 HRS   |
| 9.  | Handling                                | O/R   |
| 10. | Security                                | O/R   |
| 11. | De-Icing                                | O/R   |
| 12. | Remarks                                 | Increased charges outside AD HR of OPS.<br>For information TEL +46 (0)60 19 75 05 |

**ESNO 2.4 HANDLING SERVICES AND FACILITIES**

1.	Cargo-handling facilities	Available, limited
2.	Fuel/oil types	Fuel UL91, Jet A1 Oil -
3.	Fuelling facilities/discharge capacity	UL91: 20,000 l stationary Jet A1: 120,000 l fuel truck
4.	De-icing facilities	Available, Type I and II, mobile unit
5.	Hangar space for visiting ACFT	Limited O/R
6.	Repair facilities for visiting ACFT	Limited O/R
7.	Remarks	Fuel Supplier Air BP

**ESNO 2.5 PASSENGER FACILITIES**

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

**ESNO 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1.	AD category for fire fighting	CAT 6 for SKED traffic. Other traffic O/R. During periods of reduced AD activity, RFFS level of protection may be lowered to a level corresponding to the largest aircraft using the AD during that period.
2.	Rescue equipment	Off road vehicle
3.	Capability for removal of disabled aircraft	Suitable for aircraft up to A321
4.	Remarks	-

**ESNO 2.7 SEASONAL AVAILABILITY – CLEARING**

1.	Types of clearing equipment	Snowploughs, blowers/sweepers, slingers, spreaders
2.	Clearance priorities	RWY, Emergency access road, ILS-PAPI, TWY, Apron
3.	Remarks	RWY and TWY de-iced with KFOR or frozen SAND Apron de-iced with frozen SAND

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

- |  |                                |
|--|--------------------------------|
| 1. Apron surface and strength          | Apron ASPH PCN 81 F/B/X/T      |
| 2. Taxiway width, surface and strength | TWY A 22 m ASPH PCN 65 F/B/X/T |
| 3. ACL, location and elevation         | At holding point 340 ft        |
| 4. VOR checkpoints                     | At holding point TWY A         |
| 5. INS checkpoints                     | At holding point TWY A         |
| 6. Remarks                             | -                              |

**ESNO 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. RTHL, REDL, RENL<br><br>TWY A: HLDG and CL day marked. Edge lights, RGL |
| 3. Stop bars   | -   |
| 4. Remarks   | -   |

**ESNO 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
ESNO1	Navaid	632415.4N 0190022.6E	336 / -	-	-
ESNO2	Tree	632510.5N 0185713.4E	398 / -	-	-
ESNO3	Tree	632511.1N 0185658.6E	415 / -	-	-
ESNO4	Tree	632613.8N 0185321.7E	588 / -	-	-
ESNO5	Navaid	632613.5N 0185314.1E	694 / -	-	-
ESNO6	Tree	632559.5N 0185247.6E	719 / -	-	-
ESNO7	Tree	632622.8N 0185253.5E	733 / -	-	-
ESNO8	Tree	632605.7N 0185229.7E	783 / -	-	-
ESNO9	Tree	632609.7N 0185232.5E	798 / -	-	-
ESNO10	Tree	632613.6N 0185227.4E	804 / -	-	-
ESNO11	Tree	632607.2N 0185156.3E	828 / -	-	-
In Area 3					
OBST ID/Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour	Remarks
a	b	c	d	e	f
Not available					

## ESNO 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          | 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                                    | ÖRNSKÖLDSVIK TWR   |
| 10. | Additional information (limitation of service,<br>etc.)                | -  |

## ESNO 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	121.59° GEO 114° MAG	2016 x 45	PCN 77 F/B/X/T ASPH	632450.36N 0185815.80E  GUND 77.7 ft	THR 354.1 ft TDZ 354.8 ft
30	301.62° GEO 294° MAG	2016 x 45	PCN 77 F/B/X/T ASPH	632416.25N 0190019.48E  GUND 77 ft	THR 332 ft

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
12 See ESNO AOC	-	150 x 180	2136 x 300	-	-
30 See ESNO AOC	-	-	2136 x 300	-	-

## ESNO 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
12	2016	2166	2016	2016	-
30	2016	2016	2016	2016	-

**ESNO 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 I 720 m LIH	Green	PAPI Left/3.25° (57.0 ft)	-	-	2016/50 m White Caution zone 600 m yellow LIH	Red	-
30	SALS 420 m LIH	Green	PAPI Left/3.00° (25.1 ft)	-	-	2016/50 m White Caution zone 600 m yellow LIH	Red	-
10 Remarks: -								

**ESNO 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 Lighted windsock at apron  
At GP and NW THR 30, lighted
3. TWY edge and centre line lighting Edge: TWY A  
CL: -
4. Secondary power supply/switch-over time Available/15 sec
5. Remarks -

**ESNO 2.16 HELICOPTER LANDING AREA**

RWY 12/30 to be used.

**ESNO 2.17 ATS AIRSPACE**

1. Designation and lateral limits ÖRNSKÖLDSVIK CTR 633055N 0184559E - 632939N 0190619E -  
632101N 0191947E - 631759N 0191535E -  
631927N 0185218E - 632656N 0184033E -  
633055N 0184559E
2. Vertical limits ÖRNSKÖLDSVIK CTR 2400 ft AMSL  
GND
3. Airspace classification C
4. ATS unit call sign ÖVIK TOWER  
Language(s) Swedish/English
5. Transition altitude 5000 ft AMSL
6. Remarks CTR established during hours of TWR.

## ESNO 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channel/Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	ÖVIK TOWER	122.255	HO	Primary channel
		121.500	HO	-
		118.905	HX	By directive from TWR

## ESNO 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 I (8° E 2020)	NO	110.10 MHz	HO	632413.7N 0190028.8E		151 m beyond THR 30 LOC Class I/E/2
GP		334.40 MHz	HO	632449.1N 0185837.3E		Angle 3.25° RDH 50.2 ft 275 m past THR 12 left side GP Class I/C/2
L 12	OD	322 kHz	H24	632613.3N 0185313.9E		Range 15 NM
L 30	OO	369 kHz	H24	632213.7N 0190756.6E		Range 15 NM
VOR/DME (8° E 2020)	OSK	115.00 MHz	H24	632421.8N 0185936.8E	356 ft	DME channel 97X
DME	NO	110.10 MHz	H24	632449.2N 0185837.4E	383 ft	DME channel 38X

## ESNO 2.20 LOKALA TRAFIKFÖRESKRIFTER

NIL

## LOCAL TRAFFIC REGULATIONS

NIL

## ESNO 2.21 MINSKNING AV BULLERSTÖRNING

NIL

## NOISE ABATEMENT PROCEDURES

NIL

## ESNO 2.22 FLYGPROCEDURER

1. Startprocedurer, omnidirectional

## FLIGHT PROCEDURES

1. Omnidirectional departure procedures

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
12	Climb straight ahead to MNM turning ALT 800 ft. Continue climb to appropriate MSA.	-		
30	Climb straight ahead with MNM 240 ft/NM (3.8%) to MNM turning ALT 1300 ft. Continue climb to appropriate MSA.	Terrain Tree Tree	978 895 934	292°/8416 288°/7746 314°/8424

## 2. Lågsiktsprocedurer (LVP) etablerade

Lägsta RVR för avgående trafik är 400 m.

LVP ska vara i kraft inför start, när bansynvidden (RVR) är lägre än 550 m eller när molntäckeshöjden eller vertikalsikten är lägre än 200 ft.

Att LVP är aktiverade meddelas av ATS.

När LVP är aktiverade tillåts endast ett luftfartyg åt gången på manöverområdet.

Då luftfartyg befinner sig på manöverområdet får inga fordon förekomma där.

Att LVP är avslutade meddelas av ATS.

## 2. Low visibility procedures (LVP) established

Minimum RVR for departing traffic is 400 m.

LVP shall be in force prior to any departure, when the Runway Visual Range (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 applies only one aircraft is allowed on the manoeuvring area.

No vehicles are allowed on the manoeuvring area at the same time as an aircraft.

ATS announces when LVP no longer applies.

**ESNO 2.23 ÖVRIG INFORMATION**

1. ATS-tjänst bedrivs från RTC Sundsvall.
2. Signalstrålkastare placerad på R-TWR.
3. Beviljande undantag från krav i CS-ADR-DSN:
  - Trafikljus i fordon med DRIWS ersätter trafikljus på anslutningsvägar till bana.
  - Fasta hinder genomtränger i följande hinderbegränsade ytor enligt förteckning:
    - Inflygningsyta bana 12
    - Horisontella ytan
    - Koniska ytan
    - Övergångsytan bana 12 och 30
    - Stråkytan bana 12 och 30

**ADDITIONAL INFORMATION**

1. ATS provided from RTC Sundsvall.
2. Signalling lamp positioned at R-TWR.
3. Granted exemptions from requirements in CS-ADR-DSN:
  - Road-holding position lights in vehicles with DRIWS replace road-holding position lights on roads serving runway.
  - Fixed obstacles penetrate the following obstacle limitation surfaces according to list:
    - Approach surface RWY 12
    - Horizontal surface
    - Conical surface
    - Transitional surface RWY 12 and 30
    - Strip RWY 12 and 30

**ESNO 2.24 TILLHÖRANDE KARTOR**

AD chart	
AOC	RWY 12/30
Area chart	(TMA)
List of waypoints and significant points	
ATC Surveillance	
Minimum ALT chart	
IAC	ILS z or LOC z RWY 12
IAC	ILS y or LOC y RWY 12
IAC	VOR RWY 12
IAC	VOR RWY 30
IAC	NDB RWY 30
IAC	RNP RWY 12
IAC	RNP RWY 30
VAC	

**RELATED CHARTS**

ESNO 2-1
ESNO-3-1
ESNO 4-1
ESNO 4-3
ESNO 4-91
ESNO 5-1
ESNO 5-2
ESNO 5-3
ESNO 5-5
ESNO 5-6
ESNO 5-7
ESNO 5-11
ESNO 6-1