

**AD 2 AERODROMES****ESNK 2.1 AERODROME LOCATION INDICATOR AND NAME****ESNK – KRAMFORS-SOLLEFTEÅ****ESNK 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	630255N 0174608E RWY centre point
2.	Direction and distance from (city)	N 10 NM from Kramfors
3.	Elevation/Reference temperature	36 ft/+22.0°C
4.	Geoid undulation at AD ELEV PSN	85 ft
5.	MAG VAR/Annual change	7° E 2020/+0.2 increasing
6.	Administration, address, telephone, fax, AFS	Höga Kusten Airport SE-870 52 Nyland TEL: +46 (0)612 71 81 10 E-mail: info@hkairport.se AFS: ESNKZTZX Website: www.hogakustenairport.se
7.	Types of traffic permitted (IFR/VFR)	IFR/VFR. Max RWY ref code 4C
8.	Remarks	IFR traffic requires ATS availability. VFR traffic outside ATS hrs upon discretion of pilot in command.

**ESNK 2.3 OPERATIONAL HOURS**

1.	AD Administration AD Operating hours	HS 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	Ref AIP SUP/NOTAM
8.	Fuelling	As ATS
9.	Handling	O/R
10.	Security	O/R
11.	De-Icing	O/R
12.	Remarks	Increased charges outside AFIS HR of OPS.

**ESNK 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: 100,000 l, stationary unit. 100LL: 10,000 l, stationary unit.
4.	De-icing facilities	Available, Type I and II, mobile unit
5.	Hangar space for visiting ACFT	-
6.	Repair facilities for visiting ACFT	-
7.	Remarks	-

**ESNK 2.5 PASSENGER FACILITIES**

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

**ESNK 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1.	AD category for fire fighting	CAT 5 for SKED TFC, other O/R
2.	Rescue equipment	By arrangement, municipal rescue service
3.	Capability for removal of disabled aircraft	By arrangement
4.	Remarks	-

**ESNK 2.7 SEASONAL AVAILABILITY – CLEARING**

1.	Types of clearing equipment	Snowplough, sweeper, blower, slinger, spreader
2.	Clearance priorities	RWY, TWY, Apron
3.	Remarks	Limited clearing outside hours of AD administration. RWY de-iced with SAND and UREA.

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

1.	Apron surface and strength	Apron ASPH PCN 30 F/B/X/T ACN 45 accepted occasionally.
2.	Taxiway width, surface and strength	TWY A 23 m ASPH PCN 30 F/B/X/T ACN 45 accepted occasionally.
3.	ACL, location and elevation	Apron 31 ft
4.	VOR checkpoints	-
5.	INS checkpoints	See ESNK 2-1
6.	Remarks	-

**ESNK 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 17/35: Designator, THR, TDZ, CL and edges are day marked, RTHL, REDL, RENL<br><br>TWY A: CL, HLDG day marked. Edge lights, RGL |
| 3. | Stop bars   | Exit TWY   |
| 4. | Remarks   | RWY 17/35: REDL located 4.5 m from RWY edge  |

**ESNK 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
ESNK1	Vegetation	630207.3N 0174614.6E	50 / -	-	-
ESNK2	Vegetation	630206.4N 0174614.8E	58 / -	-	-
ESNK3	Vegetation	630203.9N 0174615.1E	65 / -	-	-
ESNK4	Vegetation	630158.3N 0174615.7E	76 / -	-	-
ESNK5	Vegetation	630158.0N 0174616.3E	79 / -	-	-
ESNK6	Pole	630132.8N 0174620.4E	102 / -	-	-
ESNK7	Vegetation	630130.2N 0174623.3E	145 / -	-	-
ESNK8	Vegetation	630129.9N 0174620.5E	151 / -	-	-
ESNK9	Vegetation	630128.7N 0174626.9E	157 / -	-	-
ESNK10	Pole	630327.8N 0174601.9E	39 / -	-	-
ESNK11	Pole	630328.6N 0174600.0E	42 / -	-	-
ESNK12	Vegetation	630329.4N 0174559.5E	46 / -	-	-
ESNK13	Vegetation	630332.4N 0174549.7E	55 / -	-	-
ESNK14	Vegetation	630332.8N 0174548.3E	67 / -	-	-
ESNK15	Vegetation	630624.9N 0174422.8E	311 / -	-	-
ESNK16	Vegetation	630625.1N 0174417.4E	370 / -	-	-
ESNK17	Vegetation	630624.7N 0174404.8E	479 / -	-	-

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

## ESNK 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   | KRAMFORS AFIS  |
| 10. | Additional information (limitation of service,<br>etc.)                             | Flight planning room available   |

## ESNK 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
17	171.53° GEO 165° MAG	2001 x 45	PCN 30 F/B/X/T ASPH	630326.91N 0174557.39E  - GUND 85 ft	THR 35 ft
35	351.53° GEO 345° MAG	2001 x 45	PCN 30 F/B/X/T ASPH	630222.99N 0174618.36E  - GUND 85.1 ft	THR 23.5 ft TDZ 27.0 ft

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
17 Info not avbl.	-	-	2121 x 300	-	ACN 45 accepted occasionally. See AD Chart for Strip limitation.
35 Info not avbl.	-	-	2121 x 300	-	ACN 45 accepted occasionally. See AD Chart for Strip limitation.

**ESNK 2.13 DECLARED DISTANCES**

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
17	2001	2001	2001	2001	-
35	2001	2001	2001	2001	-

**ESNK 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
17	-	Green	PAPI Left/3.25° (49.2 ft)	-	-	2001/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
35	Calvert CAT I 900 m LIL/LIH	Green	PAPI Left/3.25° (57.4 ft)	-	-	2001/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
<b>10 Remarks:</b> RWY 17: TRID LIH RWY 35: EFAS								

**ESNK 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 Windsock at ILS GP, lighted. At THR 17  
At PAPI RWY 17 lighted. At ILS GP RWY 35 lighted.
3. TWY edge and centre line lighting Edge: TWY A  
CL: -
4. Secondary power supply/switch-over time Available/15 sec, 1 sec O/R
5. Remarks -

**ESNK 2.16 HELICOPTER LANDING AREA**

RWY 17/35 to be used

## ESNK 2.17 ATS AIRSPACE

1.	Designation and lateral limits	KRAMFORS TIZ/RMZ	631207N 0174710E - 630358N 0175849E - 625235N 0175302E - 625206N 0174538E - 630345N 0173543E - 631129N 0173839E - 631207N 0174710E
2.	Vertical limits	KRAMFORS TIZ/RMZ	<u>2400 ft AMSL</u> GND
3.	Airspace classification	G	
4.	ATS unit call sign Language(s)	KRAMFORS 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.	

## ESNK 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	KRAMFORS INFORMATION	122.155	HO	-
		121.500	HO	-

## ESNK 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 17 (7° E 2020)	FK	109.30 MHz	HO	630213.6N 0174621.4E		295 m beyond THR 35 Limited range to 20 NM within sector ±10° and to 14 NM within sector ±35° from approach line.
L 17	KG	326 kHz	HO	630722.4N 0174431.7E		Range 15 NM
LOC 35 ILS CAT I (7° E 2020)	NK	109.70 MHz	HO	630338.1N 0174553.7E		351 m beyond THR 17 ILS Class I/D/2 Positive information only between ±10° from approach line
GP		333.20 MHz	HO	630232.3N 0174623.4E		Angle 3.25° RDH 51 ft 275 m past THR 35 right side
NDB 35	LUE	427 kHz	HO	625248.6N 0174936.0E		Range 25 NM
DME	NK	109.70 MHz	HO	630232.3N 0174623.6E	54 ft	Limited range of DME within sector 210°-270° Colocated with ILS GP 35 DME channel 34X

**ESNK 2.20 LOKALA TRAFIKFÖRESKRIFTER**

## 1. Landning utanför ATS öppethållning

För landning utanför ATS öppethållning ska avsikt att landa och tid till landning tydligt aviseras på kanalen för Kramfors AFIS, följt av att banan korsas på trafikvarvshöjd + 500 ft för säkerställande av fri tillgänglighet samt för att uppmärksamma flygplatspersonal.

## 2. Start utanför ATS öppethållning

För start utanför ATS öppethållning ska avsikt att starta samt tid till start tydligt aviseras på kanalen för Kramfors AFIS.

**LOCAL TRAFFIC REGULATIONS**

## 1. Landing outside ATS operational hours

For landing outside ATS operational hours intention to land and time to landing shall be clearly declared on channel for Kramfors AFIS, followed by a RWY crossing at AD traffic pattern altitude + 500 ft in order to verify RWY availability and to alert AD personnel of presence.

## 2. Take-off outside ATS operational hours

For take-off outside ATS operational hours intention to start and time to start shall be clearly declared on channel for Kramfors AFIS.

**ESNK 2.21 MINSKNING AV BULLERSTÖRNING**

NIL

**NOISE ABATEMENT PROCEDURES**

NIL

**ESNK 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
17	Climb straight ahead with MNM 220 ft/NM (3.6%) to MNM turning ALT 1700 ft. Continue climb to appropriate MSA.	Antenna	2231	324°/26964
		Antenna	1388	144°/15905
		Tree (CIO)	158	179°/2951
		Tree (CIO)	164	179°/3006
35	Climb straight ahead with MNM 390 ft/NM (6.4%) to MNM turning ALT 1400 ft. Continue climb to appropriate MSA.	Antenna	2231	326°/28755
		Antenna	1132	332°/8462
		Tree (CIO)	194	344°/3172
		Tree (CIO)	69	185°/2140

## 2. Lägsta RVR för avgående trafik är 400 m.

## 2. Minimum RVR for departing traffic is 400 m.

**ESNK 2.23 ÖVRIG INFORMATION**

## 1. Beviljade undantag

## 1.1 Undantag från krav i CS-ADR-DSN.M.770-stoppljus på fordonsväg.

Flygplatsen har infört operativa begränsningar så att all fordonstrafik är förbjuden inom stängslet på flygplatsområdet då siktvärdena är lägre än 550 meter.

## 1.2 Undantag från krav i CS-ADR-DSN.C.215-Dimension på RESA.

Vid banände för bana 35 saknas 1-10 meter av säkerhetsområdet (RESA) på östra sidan.

## 1.3 Undantag från krav i CS-ADR-DSN.B.090-Banytor.

På ett område öster om tröskel 17, omfattande 150 meter i längd, är stråkets plangjordade yta mellan 65-75 meter. Stråkets plangjordade yta ska enligt gällande krav vara minst 75 meter från banans centrumlinje.

**ADDITIONAL INFORMATION**

## 1. Granted exemptions

## 1.1 Exemptions from CS-ADR-DSN.M.770-road-holding position light.

The airport has implemented the following operational restrictions; all vehicular traffic is forbidden within the fence surrounding the airport when sight range is lower than 550 meter.

## 1.2 Exemptions from CS-ADR-DSN.C.215-Dimensions of RESA.

The end of runway 35 is missing 1-10 meter from security area (RESA) on the eastern side.

## 1.3 Exemptions from CS-ADR-DSN.B.090-Surface of runways.

On an area east of threshold 17, encompassing 150 meter in length, the runway strips plane made surface is between 65-75 meters. It should be at least 75 meter from the runway centre line.

1.4 Undantag från krav i CS-ADR-DSN.M.675-  
Bankantljus.

Bankantljusen är placerade 4.5 meter från rullbanans kant.  
Ljusen ska enligt gällande krav vara placerade på kanten av  
rullbanan eller på ett avstånd av högst 3 meter utanför  
densamma.

1.4 Exemptions from CS-ADR-DSN.M.675-Runway  
edge lights.

The runways edge lights are placed 4.5 meters from the  
edge of the runway. Current regulation states that they  
should be placed on distance not exceeding 3 meters from  
the edge of the runway.

## ESNK 2.24 TILLHÖRANDE KARTOR

AD chart  
AOC  
List of waypoints and significant points  
IAC  
IAC  
IAC  
IAC  
IAC  
IAC  
IAC  
VAC

## RELATED CHARTS

	ESNK 2-1
RWY 17/35	ESNK-3-1
	ESNK 4-3
ILS or LOC RWY 35	ESNK 5-1
NDB RWY 35	ESNK 5-2
LOC RWY 17	ESNK 5-3
NDB RWY 17	ESNK 5-4
RNP RWY 17	ESNK 5-5
RNP RWY 35	ESNK 5-9
	ESNK 6-1