

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. Name of aerodrome operator, address, telephone, telefax numbers, AFS, e-mail, website	Höga Kusten Airport SE-873 93 Nyland TEL: +46 612 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 operator	HS
AD Operating hours	H24
2. Customs and immigration	-
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	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 and oil types	Fuel: 100LL, Jet A1 Oil: -
3. Fuelling facilities and capacity	100LL: 10,000 l, stationary unit. Jet A1: 70,000 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 | Bank: In Kramfors and Sollefteå
Post: 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, contact duty officer during AD Operating hours. +46 70 605 34 71. |
| 4. Remarks | - |

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

- | | |
|--|--|
| 1. Types of clearing equipment | Snowplough, sweeper, blower, slinger, spreader |
| 2. Clearance priorities | RWY, TWY, Apron |
| 3. Use of material for movement area surface treatment | RWY de-iced with SAND and UREA. |
| 4. Specially prepared winter runways | - |
| 5. Remarks | Limited clearing outside hours of AD operator. |

ESNK 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS 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 Aerodrome chart |
| 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
TWY: 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	Markings/ Type, colour
a	b	c	d	e
ESNK1	VEGETATION	630207.3N 0174614.6E	50 ft / -	-
ESNK2	VEGETATION	630206.4N 0174614.8E	58 ft / -	-
ESNK3	VEGETATION	630203.9N 0174615.1E	65 ft / -	-
ESNK4	VEGETATION	630158.3N 0174615.7E	76 ft / -	-
ESNK5	VEGETATION	630158.0N 0174616.3E	79 ft / -	-
ESNK6	POLE	630132.8N 0174620.4E	102 ft / -	-
ESNK7	VEGETATION	630130.2N 0174623.3E	145 ft / -	-
ESNK8	VEGETATION	630129.9N 0174620.5E	151 ft / -	-
ESNK9	VEGETATION	630128.7N 0174626.9E	157 ft / -	-
ESNK10	POLE	630327.8N 0174601.9E	39 ft / -	-
ESNK11	POLE	630328.6N 0174600.0E	42 ft / -	-
ESNK12	VEGETATION	630329.4N 0174559.5E	46 ft / -	-
ESNK13	VEGETATION	630332.4N 0174549.7E	55 ft / -	-
ESNK14	VEGETATION	630332.8N 0174548.3E	67 ft / -	-
ESNK15	VEGETATION	630624.9N 0174422.8E	311 ft / -	-
ESNK16	VEGETATION	630625.1N 0174417.4E	370 ft / -	-
ESNK17	VEGETATION	630624.7N 0174404.8E	479 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				

ESNK 2.11 METEOROLOGICAL INFORMATION PROVIDED

- | | |
|--|---|
| 1. Associated MET Office | STOCKHOLM/ARLANDA |
| 2. Hours of service | H24 |
| MET Office outside hours | |
| 3. Office responsible for TAF preparation | STOCKHOLM/ARLANDA |
| Periods of validity, interval of issuance | 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 | TAF, METAR, SIGMET, Upper air winds |
| Language(s) used | 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 | KRAMFORS AFIS |
| 10. Additional information (limitation of service, etc.) | Flight planning room available |

ESNK 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
17	171.53°	2001 x 45	PCN 30/F/B/X/T ASPH	630326.91N 0174557.39E GUND 85 ft	THR 35 ft
35	351.53°	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
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
17	-	-	-	2121 x 300	90 x 90
35	-	-	-	2121 x 300	90 x 90
Designations RWY NR	Location/ description of arresting system		OFZ (Yes/No)	Remarks	
1	12		13	14	
17	-		-	ACN 45 accepted occasionally. See AD Chart for Strip limitation.	
35	-		-	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 side/3.25° 49 ft	-	-	2001/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
35	CALVERT CAT I 900 M LIL/LIH	Green	PAPI Left side/3.25° 57 ft	-	-	2001/60 m White Caution zone 600 m yellow LIL/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
10 Remarks: 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** Windsock at ILS GP, lighted. At THR 17
- Anemometer location and LGT** At PAPI RWY 17 lighted. At ILS GP RWY 35 lighted
- 3. **TWY edge and centre line lighting** Edge: 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/ 631207N 0174710E - 630358N 0175849E -
RMZ 625235N 0175302E - 625206N 0174538E -
630345N 0173543E - 631129N 0173839E to point of origin.
- 2. **Vertical limits** KRAMFORS TIZ/RMZ 2400 ft AMSL
GND
- 3. **Airspace classification** G
- 4. **ATS unit call sign** KRAMFORS INFORMATION
Language(s) Swedish/English
- 5. **Transition altitude** 5000 ft AMSL
- 6. **Hours of applicability** TIZ/RMZ established during hours of AFIS.
- 7. **Remarks** Continuous two-way radiocommunication required in TIZ/RMZ.

ESNK 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channels	Hours of operation	Remarks
1	2	3	4	5
AFIS	KRAMFORS	122.155	HO	-
	INFORMATION	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	Service volume radius from GBAS reference point	Remarks
1	2	3	4	5	6	7	8
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.
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/C/2 Positive information only between ±10° from approach line
GP 35	-	333.20 MHz	HO	630232.3N 0174623.4E	-	-	Angle 3.25° RDH 50.9 ft 275 m past THR 35 right side
L 17	KG	326 kHz	HO	630722.4N 0174431.7E	-	-	Range 15 NM
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	-	Colocated with ILS GP 35 Limited range of DME within sector 210°-270° DME Channel 34X

ESNK 2.20 LOKALA FLYGPLATSFÖRESKRIFTER**ESNK 2.20 LOCAL AERODROME REGULATIONS****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 trafikvarshöjd + 500 ft för säkerställande av fri tillgänglighet samt för att uppmärksamma flygplatspersonal.

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 Start utanför ATS öppethållning

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

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 BULLERREDUCERANDE FÖRFARANDE

NIL

ESNK 2.21 NOISE ABATEMENT PROCEDURES

NIL

ESNK 2.22 FLYGPROCEDURER**ESNK 2.22 FLIGHT PROCEDURES**

1. Startprocedurer, omnidirectional

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 550 m.

2. Minimum RVR for departing traffic is 550 m.

ESNK 2.23 TILLÄGGSINFORMATION

ESNK 2.23 ADDITIONAL INFORMATION

1 Beviljade undantag

1 Granted exemptions

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.

1.1 Exemption 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 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.

1.2 Exemption 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 Undantag från krav i CS-ADR-DSN.B.175- Stråkets plangjorda yta.

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

1.3 Exemption from CS-ADR-DSN.B.175- Grading of runway strips.

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 Exemption 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.

1.5 Undantag från krav i CS-ADR-DSN.J.475 - Banor med icke precisionsinflygningar.

Hinder genomtränger de hinderbegränsade ytorna. Se hinderförteckning ESNK 2.10.

1.5 Exemption from CS-ADR-DSN.J.475 - Non precision approach runways.

Obstacles penetrate the obstacle limitation surfaces. See list of obstacles ESNK 2.10.

1.6 Undantag från krav i CS-ADR-DSN.J.480 - Banor med precisionsinflygningar.

Hinder genomtränger de hinderbegränsade ytorna. Se hinderförteckning ESNK 2.10.

1.6 Exemption from CS-ADR-DSN.J.480- Precision approach runways.

Obstacles penetrate the obstacle limitation surfaces. See list of obstacles ESNK 2.10.

ESNK 2.24 FLYGKARTOR AVSEENDE EN FLYGPLATS

ESNK 2.24 AERONAUTICAL CHARTS RELATED TO AN AERODROME

Charts	Pages
Aerodrome Chart - ICAO	AD 2 ESNK 2 - 1
AOC - ICAO Type A RWY 17/35	AD 2 ESNK 3 - 1

<i>Charts</i>	<i>Pages</i>
IAC - ICAO ILS or LOC RWY 35	AD 2 ESNK 8 - 1
IAC - ICAO NDB RWY 35	AD 2 ESNK 8 - 2
IAC - ICAO LOC RWY 17	AD 2 ESNK 8 - 3
IAC - ICAO NDB RWY 17	AD 2 ESNK 8 - 4
IAC - ICAO RNP RWY 17	AD 2 ESNK 8 - 5
IAC - ICAO RNP RWY 35	AD 2 ESNK 8 - 9
VAC - ICAO	AD 2 ESNK 9 - 1

LIST OF WAYPOINTS AND SIGNIFICANT POINTS

See KRAMFORS-SOLLEFTEÅ 4

**ESNK 2.25 GENOMTRÄNGANDE AV YTAN FÖR
VISUELLA SEGMENTET (VSS)**

**ESNK 2.25 VISUAL SEGMENT SURFACE (VSS)
PENETRATION**