

AD 2 AERODROMES**ESTA 2.1 AERODROME LOCATION INDICATOR AND NAME****ESTA – ÄNGELHOLM****ESTA 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- | | | |
|----|--|--|
| 1. | ARP coordinates and site at AD | 561728N 0125118E RWY 14/32 centre point |
| 2. | Direction and distance from (city) | N 4 NM from Ängelholm |
| 3. | Elevation/Reference temperature | 62 ft/+22.2°C |
| 4. | Geoid undulation at AD ELEV PSN | 121 ft |
| 5. | MAG VAR/Annual change | 4° E 2020/+0.2 increasing |
| 6. | Administration, address, telephone, fax, AFS | Ängelholms flygplats AB
Ängelholm Helsingborg Airport
SE-262 91 Ängelholm
TEL: +46 (0)431 48 45 00
FAX: +46 (0)431 48 45 10
E-mail: info@aghairport.se
AFS: ESTAZTZX
Website: www.aghairport.se |
| 7. | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 4C |
| 8. | Remarks | PPR outside TWR hours. Request shall be made during AD Administration hours. Mail: ok@aghairport.se. |

ESTA 2.3 OPERATIONAL HOURS

- | | | |
|-----|---|--|
| 1. | AD Administration
AD Operating hours | MON-FRI 0700-1500 (0600-1400)
As ATS |
| 2. | Customs and immigration | O/R TEL +46 (0)40 661 32 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) | 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 | As ATS |
| 10. | Security | O/R |
| 11. | De-Icing | As ATS |
| 12. | Remarks | Increased charges outside AD Operating HR of OPS |

ESTA 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	-
2.	Fuel/oil types	Fuel UL 91, Jet A1 Oil -
3.	Fuelling facilities/discharge capacity	UL 91: 10,000 l stationary Jet A1: 100,000 l fuel truck
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	Fuel supplier: AirBP

ESTA 2.5 PASSENGER FACILITIES

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

ESTA 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	CAT 6. For commercial traffic exceeding 2500 kg MTOW 180 sec, other traffic 8 min.
2.	Rescue equipment	By arrangement
3.	Capability for removal of disabled aircraft	Aircraft up to CAT C after arrangement, contact +46 (0)70 868 70 53.
4.	Remarks	-

ESTA 2.7 SEASONAL AVAILABILITY – CLEARING

1.	Types of clearing equipment	Snowploughs, blowers, sweepers, spreaders
2.	Clearance priorities	RWY, TWY, Apron
3.	Remarks	RWY de-iced/anti-iced with KFOR

ESTA 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

- | | | |
|----|-------------------------------------|--|
| 1. | Apron surface and strength | Apron D ASPH PCN 25 F/C/X/T
Apron E ASPH PCN 51 F/C/X/U
Apron W ASPH PCN 51 F/C/X/U |
| 2. | Taxiway width, surface and strength | TWY A 18 m ASPH PCN 51 F/C/X/U
TWY C 18 m ASPH PCN 51 F/C/X/U
TWY F 18 m ASPH PCN 51 F/C/X/U
TWY G 15 m ASPH PCN 25 F/C/X/T
TWY M 10 m CONC PCN 25 R/C/X/T |
| 3. | ACL, location and elevation | Apron E 50 ft |
| 4. | VOR checkpoints | - |
| 5. | INS checkpoints | - |
| 6. | Remarks | TWY F Distance to beginning of RWY 32 is 100 m |

ESTA 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 | <table border="0"> <tr> <td style="vertical-align: top;">RWY 14/32:</td> <td style="vertical-align: top;">Designator, THR, TDZ, CL and edges are day marked RTHL, REDL, RENL</td> </tr> <tr> <td style="vertical-align: top;">TWY A:</td> <td style="vertical-align: top;">CL, HLDG day marked. Edge lights, RGL</td> </tr> <tr> <td style="vertical-align: top;">C:</td> <td style="vertical-align: top;">CL, HLDG day marked. Edge lights, RGL</td> </tr> <tr> <td style="vertical-align: top;">F:</td> <td style="vertical-align: top;">CL, HLDG day marked. Edge lights, RGL</td> </tr> <tr> <td style="vertical-align: top;">G:</td> <td style="vertical-align: top;">CL, HLDG day marked. Edge lights, RGL</td> </tr> <tr> <td style="vertical-align: top;">M:</td> <td style="vertical-align: top;">CL, HLDG day marked. RGL</td> </tr> </table> | RWY 14/32: | Designator, THR, TDZ, CL and edges are day marked RTHL, REDL, RENL | TWY A: | CL, HLDG day marked. Edge lights, RGL | C: | CL, HLDG day marked. Edge lights, RGL | F: | CL, HLDG day marked. Edge lights, RGL | G: | CL, HLDG day marked. Edge lights, RGL | M: | CL, HLDG day marked. RGL |
| RWY 14/32: | Designator, THR, TDZ, CL and edges are day marked RTHL, REDL, RENL | | | | | | | | | | | | | |
| TWY A: | CL, HLDG day marked. Edge lights, RGL | | | | | | | | | | | | | |
| C: | CL, HLDG day marked. Edge lights, RGL | | | | | | | | | | | | | |
| F: | CL, HLDG day marked. Edge lights, RGL | | | | | | | | | | | | | |
| G: | CL, HLDG day marked. Edge lights, RGL | | | | | | | | | | | | | |
| M: | CL, HLDG day marked. RGL | | | | | | | | | | | | | |
| 3. | Stop bars | - | | | | | | | | | | | | |
| 4. | Remarks | - | | | | | | | | | | | | |

ESTA 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
ESTA1	Forest	561703.0N 0125156.6E	61 / -	-	-
ESTA2	Forest	561629.8N 0125246.0E	120 / -	-	-
ESTA3	Antenna	561757.8N 0125024.6E	72 / -	-	-
ESTA4	Forest	561824.6N 0124923.3E	127 / -	-	-
ESTA5	Forest	561844.2N 0124842.5E	165 / -	-	-

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

ESTA 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 | ÄNGELHOLM APP
ÄNGELHOLM TWR |
| 10. | Additional information (limitation of service,
etc.) | Flight planning room available at apron W |

ESTA 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
14	136.38° GEO 132° MAG	1945 x 45	PCN 51 F/C/X/U ASPH	561752.12N 0125039.16E GUND 120.6 ft	THR 60.2 ft TDZ 60.8 ft
32	316.39° GEO 312° MAG	1945 x 45	PCN 51 F/C/X/U ASPH	561706.60N 0125157.16E GUND 121 ft	THR 52 ft

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
14 See ESTA AOC	-	-	2065 x 300	-	-
32 See ESTA AOC	-	205 x 180	2065 x 300	-	-

ESTA 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
14	1945	1945	1945	1945	-
32	1945	2150	1945	1945	-

DECLARED DISTANCES TAKE-OFF INTERSECTIONS						
RWY	INTERSECTION	TORA (m)	TODA (m)	ASDA (m)	Remarks	
1		2	3	4	5	6
14	TWY A	1393	1393	1393	-	-
32	TWY F	1848	2053	1848	-	-

ESTA 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
14	Barrette CL CAT I 900 m LIH	Green	PAPI Left/3.00° (37.4 ft)	-	-	1945/60 m White Caution zone 600 m yellow LIH	Red	-
32	SALS 420 m LIH	Green	PAPI Left/3.00° (54.1 ft)	-	-	1945/60 m White Caution zone 600 m yellow LIH	Red	-

10 Remarks: -

ESTA 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 Windsocks at THRs left side, No light. Windsock N of TWY M, lighted 400 m S THR 14 and 280 m N THR 32
3. TWY edge and centre line lighting
Edge: TWY A, C, F, G
CL: -
LED lights on all RGL
4. Secondary power supply/switch-over time Available/1 sec
5. Remarks -

ESTA 2.16 HELICOPTER LANDING AREA

RWY 14/32 to be used

ESTA 2.17 ATS AIRSPACE

1.	Designation and lateral limits	ÄNGELHOLM CTR	562721N 0124021E - 562259N 0130320E - 561300N 0130602E - 560930N 0130004E - 561244N 0124651E - 561459N 0124251E - 562258N 0123255E - 562721N 0124021E
2.	Vertical limits	ÄNGELHOLM CTR	1500 ft AMSL <u> </u> GND
3.	Airspace classification	C	
4.	ATS unit call sign Language(s)	ÄNGELHOLM TOWER Swedish/English	
5.	Transition altitude	5000 ft AMSL	
6.	Remarks	CTR established during hours of TWR.	

ESTA 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channel/Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	ÄNGELHOLM TOWER	127.105	HO	Primary channel
		121.500	HO	-
APP	ÄNGELHOLM APPROACH	132.455	HO	-

ESTA 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 14 ILS CAT II (4° E 2020)	DB	111.30 MHz	H24 *	561657.7N 0125212.4E		380 m beyond THR 32 LOC Class II/D/3
GP		332.30 MHz	H24 *	561747.5N 0125057.1E		Angle 3.0° RDH 50.9 ft 317 m past THR 14 left side GP Class II/T/2
L 14	LB	370.5 kHz	H24 *	562047.6N 0124558.9E		Range 25 NM
L 32	AH	417 kHz	H24 *	561558.2N 0125402.7E		Range 15 NM
DME	DB	111.30 MHz	H24 *	561747.6N 0125057.3E	82 ft	DME channel 50X

* Monitoring of signal in space limited to ATS HR of OPS

ESTA 2.20 LOKALA TRAFIKFÖRESKRIFTER

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

LOCAL TRAFFIC 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. Upprepade instrumentflygningar samt TGL tillåts under följande tider:

MON–THU 0730–1900 (0630–1800)

FRI 0730–1600 (0630–1500)

SAT, SUN, HOL 0900–1600 (0800–1500)

3. På parkeringsplats får APU användas endast när så krävs för motorstart eller för reglering av kabinvärme. APU får därvid inte startas tidigare än 15 min före beräknad tid för taxning.

4. IFR-trafik ska vara redo för motorstart när start-up begärs från ATC.

5. Uppgift om transponderkod lämnas under uttaxning.

6. Flygtrafik utanför ATS öppethållning

- Flygplatsens medgivande krävs för flygtrafik.
- Start och landning får endast ske när sikten överstiger 800 m.
- Ingen flygtrafik får förekomma i skymning och mörker.
- All flygtrafik inom CTR ska blandsända sin avsikt på kanal 127.105.
- Markfordon kan förekomma utan dubbelriktad flygradioförbindelse.
- Högervarv tillämpas vid start och landning bana 32.

2. Repeated instrument approaches and TGL accepted during the following hours:

MON–THU 0730–1900 (0630–1800)

FRI 0730–1600 (0630–1500)

SAT, SUN, HOL 0900–1600 (0800–1500)

3. On parking stand APU shall not be operated unless required for engine start or adjustment of cabin heat. In no case APU may be started earlier than 15 min before estimated time for taxiing.

4. IFR traffic shall be ready to start engines when requesting start-up from ATC.

5. Transponder code will be communicated during out-taxiing.

6. Air traffic outside ATS hours of operation

- Aerodrome consent is required for all air traffic.
- Take-off or landing may only take place when visibility exceeds 800 m.
- No traffic may take place during twilight and darkness.
- All traffic within the CTR must transmit their intention on channel 127.105.
- Ground vehicles can occur without two-way VHF communication.
- Right hand traffic circuit applies for take-off and landing RWY 32.

ESTA 2.21 MINSKNING AV BULLERSTÖRNING

1. Över de centrala delarna av Ängelholm bör luftfartyg inte framföras på lägre höjd än 2000 ft AMSL utom då så är nödvändigt i samband med start och landning.

2. Angivna flygvägar för ankommande och avgående trafik har upprättats även för att minska bullerstörningar. Luftfartyg skall noggrant följa i klareringen angiven flygväg samt i övrigt framföras så att onödiga bullerstörningar inte förorsakas.

NOISE ABATEMENT PROCEDURES

1. Over the central parts of Ängelholm aircraft should not be operated below 2000 ft AMSL except when necessary for take-off or landing.

2. The routes for inbound and outbound traffic have been established also for noise abatement purposes. Aircraft shall strictly adhere to assigned route and be operated in such a manner that unnecessary noise disturbances are not caused.

ESTA 2.22 FLYGPROCEDURER

1. Ankommande IFR-trafik inom Ängelholm TMA/CTR

Flygvägar

Se sid ESTA 4-5 till ESTA 4–8.

2. Startprocedurer, omnidirectional

FLIGHT PROCEDURES

1. Inbound IFR traffic within Ängelholm TMA/CTR

Routes

See pages ESTA 4–5 through ESTA 4–8.

2. Omnidirectional departure procedures

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
14	Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA.	Antenna (CIO)	112	133°/2500
32	Climb straight ahead to MNM turning ALT 700 ft. Continue climb to appropriate MSA.	-	-	-

3. Avbrott i radioförbindelse

Luftfartyg skall följa de föreskrifter som anges i AIP ENR 1.3.

3. Communication failure

Aircraft shall follow the procedures laid down in AIP ENR 1.3.

4. Lågsiktsprocedurer (LVP)

Minimum RVR för avgångstrafik är 400 m.

LVP finns etablerade och träder ikraft senast om RVR är lägre än 550 m och/eller molnbasen är lägre än 200 ft eller på begäran. Meddelande om att LVP tillämpas lämnas av ATS.

När LVP tillämpas tillåts endast ett luftfartyg eller fordon inom LVP-området (manöverområdet enl AD 2 ESTA 2–1).

5. VFR flygning inom Ängelholm TMA/CTR

Normala in- och utpasseringspunkter
Se ESTA 6–1.

Väntlägen
Se ESTA 6–1.

6. Inflygningsprocedur Annan än standard

Speciell inflygningsprocedur Annan än standard CAT II RWY 14 tillgänglig på begäran.

Lågsiktsprocedurer skall vara i kraft.

Godkännande för användning av Annan än standard CAT II krävs av Transportstyrelsen och för utländska operatörer deras nationella flygsäkerhetsmyndighet.

4. Low visibility procedures (LVP)

Minimum RVR for departures is 400 m.

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 ATS.

When LVP is applied only one aircraft or vehicles are allowed in the LVP area (same as manoeuvring area on AD 2 ESTA 2–1).

5. VFR flight within Ängelholm TMA/CTR

Normal entry and exit points
See ESTA 6–1.

Holding points
See ESTA 6–1.

6. Approach procedure Other Than Standard (OTS)

Special approach procedure Other Than Standard (OTS) CAT II RWY 14 available on request.

Low visibility procedures (LVP) shall be in force.

Authorization for Other Than Standard (OTS) Category II operations by the operator's National Aviation Authority is required.

ESTA 2.23 ÖVRIG INFORMATION

- Undantag från krav i CS-ADR-DSN:
 - Lutningar på plattan – 1.4 % lutning på Platta E.
 - Längsgående lutningar på bana – 1.48 % sista 30 m på banan från tröskel bana 14, det vill säga utanför sättpunktszonen bana 32.
 - Avstånd mellan lutningsändringar på bana – Krökningens radien finns på en övergång och har radien 10 000 m sista 30 m på banan från tröskeln bana 14, det vill säga utanför sättpunktszonen bana 32.
 - Bana för precisionsinflygning - Fasta hinder genomtränger i följande hinderbegränsade ytor enligt förteckning:
Inflygningsyta bana 32
Horisontella ytan
Koniska ytan
Övergångsytan bana 14 och 32
Stråkytan bana 14 och 32

ADDITIONAL INFORMATION

- Exemptions from requirements in CS-ADR-DSN:
 - Slopes on aprons – 1.4 % Slope on Apron E.
 - Longitudinal slopes on RWY – 1.48 % the last 30 m on RWY from THR RWY 14, in other words outside RWY 32 touchdown zone.
 - Distance between slope changes – The radius of curvature is at a transition and has a radius of 10 000 m last 30 m on RWY from THR RWY 14. In other words outside RWY 32 touchdown zone.
 - Precision approach runways – Fixed obstacles penetrate the following obstacle limitation surfaces according to list:
Approach surface RWY 32
Horizontal surface
Conical surface
Transition surface RWY 14/32
Strip RWY 14/32

ESTA 2.24 TILLHÖRANDE KARTOR

RELATED CHARTS

AD chart		ESTA 2-1
AOC	RWY14/32	ESTA-3-1
PATC	RWY 14	ESTA-3-3
Area chart (TMA)		ESTA 4-1
List of waypoints and significant points		ESTA 4-3
RNAV (GNSS) STAR	RWY 14	ESTA 4-5
RNAV (GNSS) STAR	RWY 32	ESTA 4-7
ATC Surveillance Minimum ALT chart		ESTA 4-91
IAC	ILS z Cat I or LOC z RWY 14	ESTA 5-1
IAC	ILS y Cat I or LOC y RWY 14	ESTA 5-2
IAC	ILS OTS Cat II RWY 14	ESTA 5-3
IAC	NDB RWY 14	ESTA 5-4
IAC	NDB RWY 32	ESTA 5-5
IAC	RNP RWY 14	ESTA 5-7
IAC	RNP RWY 32	ESTA 5-11
VAC		ESTA 6-1