

AD 2 AERODROMES**ESCM 2.1 AERODROME LOCATION INDICATOR AND NAME****ESCM – UPPSALA****ESCM 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	595401N 0173533E RWY 03/21 centre point
2.	Direction and distance from (city)	NW 2.5 NM from Uppsala
3.	Elevation/Reference temperature	69 ft/+19.0°C
4.	Geoid undulation at AD ELEV PSN	79 ft
5.	MAG VAR/Annual change	5° E 2015/+0.1 increasing
6.	Administration, address, telephone, fax, AFS	MIL AD: FM/Swedish Armed Forces Luftstridsskolan LSS Box 645 SE-751 27 Uppsala TEL: +46 (0)18 19 69 43 FAX: +46 (0)18 19 62 59 E-mail: flygplatsledning-uppsala@mil.se AFS: ESCMZTX
7.	Types of traffic permitted (IFR/VFR)	IFR/VFR. Max RWY ref code 3C
8.	Remarks	PPR. Military Airbase. PPR requests shall be made during hours of AD administration and be sent at least 5 weekdays prior to date of flight.

ESCM 2.3 OPERATIONAL HOURS

1.	AD Administration AD Operating hours	As ATS As ATS
2.	Customs and immigration	O/R. Customs +46 (0)8 456 66 20. Immigration +46 (0)10 567 68 00.
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	MON-THU 0730-1500 (0630-1400) FRI and day before HOL (MON-FRI) 0730-1100 (0630-1000) During 15 SEP - 1 APR also THU 1500-1600 (1400-1500) HOL CLSD
8.	Fuelling	As ATS
9.	Handling	As ATS
10.	Security	As ATS
11.	De-icing	As ATS
12.	Remarks	PPR for operations outside ATS hours of operation.

ESCM 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	Available
2.	Fuel/oil types	Fuel: Military standard FF75. Corresponds to NATO-standard F35. Oil: -
3.	Fuelling facilities/discharge capacity	100,000l fuel truck
4.	De-icing facilities	Type 1, mobile unit
5.	Hangar space for visiting ACFT	-
6.	Repair facilities for visiting ACFT	-
7.	Remarks	Payment of fuel only by invoice. No credit cards accepted.

ESCM 2.5 PASSENGER FACILITIES

1.	Hotels	In Uppsala
2.	Restaurants	At AD and in Uppsala
3.	Transportation	Bus, taxi
4.	Medical facilities	In Uppsala
5.	Bank and Post Office	In Uppsala
6.	Tourist Office	In Uppsala
7.	Remarks	Security regulations due military airbase.

ESCM 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	CAT 6 (CAT 7-8 O/R)
2.	Rescue equipment	MIL Standard
3.	Capability for removal of disabled aircraft	By arrangement, MIL equipment available
4.	Remarks	-

ESCM 2.7 SEASONAL AVAILABILITY – CLEARING

1.	Types of clearing equipment	Sweepers, blowers, snow ploughs, slingers and spreaders
2.	Clearance priorities	RWY, TWY, Aprons
3.	Remarks	-

ESCM 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	Apron surface and strength	Apron Cargo ASPH/CONC PCN 60 F/C/X/T
2.	Taxiway width, surface and strength	TWY A northern part 23 m ASPH PCN 50 F/C/X/T
3.	ACL, location and elevation	TWY A 63 ft
4.	VOR checkpoints	-
5.	INS checkpoints	-
6.	Remarks	-

ESCM 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 03/21: Designator, THR, TDZ, CL and edges are day marked, RTHL, REDL, RENL
08/26: Designator, THR, TDZ, CL and edges are day marked, RTHL, REDL, RENL

TWY A CL, HLDG day marked. Edge lights, RGL |
| 3. | Stop bars | - |
| 4. | Remarks | - |

ESCM 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour	Remarks
a	b	c	d	e	f
Not available					

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

ESCM 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 | TAF issued by ESCR 9HR HO |
| 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 | 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 | UPPSALA TWR |
| 10. | Additional information (limitation of service, etc.) | Above info applicable to civil operations |

ESCM 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
08	074.83° GEO 070° MAG	1963 x 40	PCN 50 F/C/X/T ASPH	595341.20N 0173412.01E GUND 79 ft	THR 42 ft
26	254.86° GEO 250° MAG	1963 x 40	PCN 50 F/C/X/T ASPH	595357.78N 0173613.87E GUND 78 ft	THR 62 ft
03	033.19° GEO 028° MAG	1906 x 40	PCN 60 F/C/X/T ASPH	595335.29N 0173459.74E GUND 79 ft	THR 60 ft
21	213.20° GEO 208° MAG	1906 x 40	PCN 60 F/C/X/T ASPH	595426.82N 0173606.86E GUND 78 ft	THR 68.0 ft

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
08 See ESCM AOC	-	-	2105 x 150	-	MIL Marker boards 600 m from RWY end Arresting net beyond THR 26
26 See ESCM AOC	-	-	2105 x 150	-	Start extension 22 m AVBL. Marked with yellow lines, no lightning. MIL Marker boards 600 m from RWY end Arresting net beyond THR 08
03 See ESCM AOC	-	-	2026 x 300	-	MIL Marker boards 600 m from RWY end Arresting net beyond THR 21
21 See ESCM AOC	-	-	2026 x 300	-	MIL Marker boards 600 m from RWY end Arresting net beyond THR 03

ESCM 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
08	1963	1963	1963	1963	-
26	1985	1985	1985	1963	Start extension 22m included. Intermediate distances, see ESCM 3-1
03	1906	1906	1906	1906	-
21	1906	1906	1906	1906	Intermediate distances, see ESCM 3-3

ESCM 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
08	-	Green	-	-	-	1963/71 m White Caution zone 600 m yellow LIL/LIH	Red	-
26	-	Green	-	-	-	1963/71 m White Caution zone 600 m yellow LIL/LIH	Red	-
03	-	Green	PAPI Left/2.86° (52.0 ft)	-	-	1906/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
21	Calvert 900 m LIL/LIH	Green	PAPI Left/3.00° (54.5 ft)	-	-	1906/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
10 Remarks: RWY 21: EFAS 749-337 m befor THR								

ESCM 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 WNW RWY-intersection 280 m, lighted
190 m SE THR 08, 280 m SW RWY-intersection and at GP 21 |
| 3. | TWY edge and centre line lighting | Edge: Edgelights on all TWYs

CL: - |
| 4. | Secondary power supply/switch-over time | Available/15 sec |
| 5. | Remarks | - |

ESCM 2.16 HELICOPTER LANDING AREA

RWY 03/21 or 08/26 to be used

ESCM 2.17 ATS AIRSPACE

1.	Designation and lateral limits	UPPSALA CTR	600258N 0173948E - 595858N 0174948E - 595158N 0174748E - 594758N 0173448E - 594758N 0172148E - 595458N 0171748E - 600258N 0173948E
2.	Vertical limits	UPPSALA CTR	<u>2000 ft AMSL</u> GND
3.	Airspace classification	C	
4.	ATS unit call sign Language(s)	UPPSALA TOWER Swedish/English	
5.	Transition altitude	5000 ft AMSL	
6.	Remarks	CTR established during hours of TWR.	

ESCM 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR/APP	UPPSALA TOWER	119.200 MHz	HO	Primary FREQ VDF
		121.500 MHz	HO	VDF
	UPPSALA CONTROL	130.400 MHz	HO	VDF

ESCM 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 21 ILS CAT I (5° E 2015)	CM	109.10 MHz	H24	595327.2N 0173449.2E		299 m beyond THR 03
GP		331.40 MHz	H24	595416.1N 0173602.2E		Angle 3.0° RDH 54.5 ft 316 m past THR 21 left side
L 21	UP	366 kHz	H24	595846.2N 0174146.0E		Range 20 NM
DME	CM	109.10 MHz	H24	595416.2N 0173602.1E	83 ft	DME channel 28X

ESCM 2.20 LOKALA TRAFIKFÖRESKRIFTER

- Högervarv tillämpas till RWY 21 och RWY 26.
- Utanför ATS öppethållning bör luftfartyg blindsända på frekvens 119.200 MHz vid flygning inom sidogränserna för Uppsala CTR.
- Varken airwork, inflygningar eller landningar är tillåtna utan särskilt tillstånd. Generellt ges sådana tillstånd endast till samhällsviktiga flygningar.
- Varningsljus för bana i användning (RGL) är aktiverade under ATS öppethållning.

LOCAL TRAFFIC REGULATIONS

- Right hand traffic circuit to RWY 21 and RWY 26.
- Outside ATS hours of operation intention should be transmitted on frequency 119.200 MHz when flying within the boundaries of Uppsala CTR.
- Neither airwork, approaches nor landings are permitted without special permission. Generally, only flights important to society will be granted such permission.
- RWY guard lights (RGL) are activated during ATS hours of operation.

ESCM 2.21 MINSKNING AV BULLERSTÖRNING

I enlighet med gällande miljötillstånd kommer avgående trafik företrädesvis att tilldelas bana 03 eller bana 26 och ankommande trafik företrädesvis bana 08 eller bana 21.

NOISE ABATEMENT PROCEDURES

In accordance with Uppsala aerodrome environmental permit; departures will preferably be assigned RWY 03 or RWY 26 and arrivals will preferably be assigned RWY 08 or RWY 21.

ESCM 2.22 FLYGPROCEDURER

Startprocedurer, omnidirectional

FLIGHT PROCEDURES

Omnidirectional departure procedures

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
03	Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA.	Tree (CIO)	125	038°/2311
		Tree (CIO)	188	040°/3399
21	Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA.	-		

ESCM 2.23 ÖVRIG INFORMATION

Förhandsmeddelande (PN) krävs för nedanstående flygverksamhet inom Stockholm TMA.

- Skol- och övningsflygning som omfattar "airwork", flygning i väntläge och/eller upprepade instrumentinflygningar.
- Fotoflygning.
- Geologisk mätflygning och liknande.
- Lyft av fallskärmshoppare.
- Förplanerad kontrollflygning (mätflygning) av navigerings- och inflygningshjälpmedel.

Innan färdplan lämnas in skall förhandsmeddelande lämnas till skiftledaren vid Stockholm ACC TEL 08/585 547 02.

ADDITIONAL INFORMATION

Prior notice (PN) is required for operations mentioned below within Stockholm TMA.

- School and training flights comprising "airwork", holding, and/or repeated instrument approaches.
- Aerial photographing.
- Geological survey flights and the like.
- Lifting of parachutists.
- Non-urgent nav aids and approach aids calibration flights.

Before submitting the flight plan, the operator shall give prior notice of the flight to the Watch Supervisor. Stockholm ACC TEL +46 (0)8 585 547 02.

ESCM 2.24 TILLHÖRANDE KARTOR

AD chart
AOC RWY 08/26
AOC RWY 03/21
Area chart (TMA)
ATC Surveillance
Minimum ALT chart
IAC ILS or LOC RWY 21
IAC NDB RWY 21
VAC

RELATED CHARTS

ESCM 2-1
ESCM-3-1
ESCM-3-3
See **ESSA 4-1**
See **ESSA 4-91**
ESCM 5-1
ESCM 5-2
ESCM 6-1