

AD 2 AERODROMES**ESMQ 2.1 AERODROME LOCATION INDICATOR AND NAME****ESMQ – KALMAR****ESMQ 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

- | | | |
|----|--|---|
| 1. | ARP coordinates and site at AD | 564108N 0161715E RWY 640 m from THR 34 |
| 2. | Direction and distance from (city) | WNW 2.5 NM from Kalmar |
| 3. | Elevation/Reference temperature | 18 ft/+18.5°C |
| 4. | Geoid undulation at AD ELEV PSN | 100 ft |
| 5. | MAG VAR/Annual change | 5° E 2015/+0.1 increasing |
| 6. | Administration, address, telephone, fax, AFS | KalmarOland Airport AB
SE-392 41 Kalmar
TEL: +46 (0)480 45 90 00
FAX: +46 (0)480 45 90 81
E-mail: flyget@kalmarolandairport.se
AFS: ESMQZTZK
Website: www.kalmarolandairport.se |
| 7. | Types of traffic permitted (IFR/VFR) | IFR/VFR. Max RWY ref code 4E |
| 8. | Remarks | - |

ESMQ 2.3 OPERATIONAL HOURS

- | | | |
|-----|---|---|
| 1. | AD Administration
AD Operating hours | MON-FRI 0700-1600 (0600-1500)
H24 |
| 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 | As ATS |
| 11. | De-Icing | As ATS |
| 12. | Remarks | Increased charges outside TWR HR of OPS |

ESMQ 2.4 HANDLING SERVICES AND FACILITIES

- | | | |
|----|--|--|
| 1. | Cargo-handling facilities | Available by arrangement |
| 2. | Fuel/oil types | Fuel 100LL, Jet A1
Oil Piston oil |
| 3. | Fuelling facilities/discharge capacity | 100LL: 20,000 l, Hydrant fuelling
Jet A1: 120,000 l |
| 4. | De-icing facilities | Type I and II, mobile unit |
| 5. | Hangar space for visiting ACFT | - |
| 6. | Repair facilities for visiting ACFT | - |
| 7. | Remarks | Fuel supplier AirBP |

ESMQ 2.5 PASSENGER FACILITIES

- | | | |
|----|----------------------|-----------------------------------|
| 1. | Hotels | In Kalmar |
| 2. | Restaurants | At AD |
| 3. | Transportation | Airport buses, taxis, rental cars |
| 4. | Medical facilities | In Kalmar |
| 5. | Bank and Post Office | In Kalmar |
| 6. | Tourist Office | In Kalmar |
| 7. | Remarks | - |

ESMQ 2.6 RESCUE AND FIRE FIGHTING SERVICES

- | | | |
|----|---|--|
| 1. | AD category for fire fighting | CAT 6. For commercial traffic exceeding 2500 kg MTOM 180 sec.
CAT 7 O/R |
| 2. | Rescue equipment | By arrangement, municipal rescue service |
| 3. | Capability for removal of disabled aircraft | By arrangement |
| 4. | Remarks | - |

ESMQ 2.7 SEASONAL AVAILABILITY – CLEARING

- | | | |
|----|-----------------------------|--|
| 1. | Types of clearing equipment | Snowploughs, blowers, sweepers, slinger |
| 2. | Clearance priorities | RWY, TWY, Apron |
| 3. | Remarks | RWY 05/23 not cleared during winter season |

ESMQ 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

- | | | |
|----|-------------------------------------|--|
| 1. | Apron surface and strength | Apron 1 ASPH PCN 50 F/B/X/T
Apron 2 CONC PCN 9 R/B/X/U |
| 2. | Taxiway width, surface and strength | TWY A northern part 10 m CONC PCN 20 R/B/X/U between TWY A1 and Apron 2
TWY A southern part 10 m ASPH PCN 20 F/B/X/T from Apron 2 to TWY A8. Width between Apron 1 and 2 15 m
TWY A1 10 m CONC PCN 20 R/B/X/U
TWY A8 28 m ASPH PCN 50 F/B/X/T
TWY A10 23 m ASPH PCN 50 F/B/X/T |
| 3. | ACL, location and elevation | See ESMQ 2-1 |
| 4. | VOR checkpoints | At holding position TWY A8 |
| 5. | INS checkpoints | - |
| 6. | Remarks | - |

ESMQ 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 to scheduled traffic only. | |
| 2. | RWY and TWY markings and LGT | RWY 05/23: Designator, THR, TDZ, CL and edges are day marked.
RTHL, REDL, RENL, RGL
16/34: Designator, THR, TDZ, CL and edges are day marked.
RTHL, REDL, RENL.

TWY A northern part: CL, HLDG day marked.
A southern part: CL, HLDG day marked. Edge lights.
A1: CL, HLDG day marked. RGL.
A8: CL, HLDG day marked. Edge lights, RGL.
A10: CL, HLDG day marked. Edge lights, RGL. | |
| 3. | Stop bars | - | |
| 4. | Remarks | - | |

ESMQ 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					

ESMQ 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://tafportalen.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 | KALMAR TWR |
| 10. | Additional information (limitation of service,
etc.) | Flight planning room available. |

ESMQ 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
16	152.17° GEO 147° MAG	2320 x 45	PCN 50 F/B/X/T ASPH	564148.55N 0161635.98E GUND 100 ft	THR 17.5 ft TDZ 15 ft
34	332.19° GEO 327° MAG	2320 x 45	PCN 50 F/B/X/T ASPH	564049.93N 0161732.19E GUND 100 ft	THR 15 ft
05	048.08° GEO 043° MAG	656 x 40	PCN 30 F/B/X/T ASPH	564050.24N 0161639.42E GUND 100 ft	THR 9 ft
23	228.09° GEO 223° MAG	656 x 40	PCN 30 F/B/X/T ASPH	564104.40N 0161708.08E GUND 100 ft	THR 10 ft

Slope of RWY-SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12
16 See ESMQ AOC	270 x 45	270 x 150	2380 x 300	-	Including 270 m start extension RWY 34
34 See ESMQ AOC	-	-	2380 x 300	-	Including 270 m start extension
05	-	-	776 x 150	-	RWY non-instrument
23	-	-	776 x 150	-	RWY non-instrument

ESMQ 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
16	2050	2320	2320	2050	-
34	2320	2320	2320	2050	Including start extension 270 m south THR 34
05	656	656	656	656	-
23	656	656	656	656	-

ESMQ 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
16	Calvert CAT I 900 m LIL/LIH	Green	PAPI Left/3.00° (51.5 ft)	-	-	2050/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
34	-	Green	PAPI Left/3.00° (52.5 ft)	-	-	270/60 m Red 2050/60 m White Caution zone 600 m yellow LIL/LIH	Red	-
10 Remarks: RWY 34: TRID LIH.								

ESMQ 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 400 m NE RWY intersection
At GP RWY 16 and E THR 34
3. TWY edge and centre line lighting Edge: TWY A southern part, A8, A10
CL: -
4. Secondary power supply/switch-over time Available/12 sec
5. Remarks -

ESMQ 2.16 HELICOPTER LANDING AREA

As directed by ATC

ESMQ 2.17 ATS AIRSPACE

1.	Designation and lateral limits	KALMAR CTR	565221N 0161228E - 564248N 0162617E - 563458N 0162934E - 563222N 0162028E - 563819N 0160849E - 564939N 0160251E - 565221N 0161228E
2.	Vertical limits	KALMAR CTR	1500 ft AMSL GND
3.	Airspace classification	C	
4.	ATS unit call sign Language(s)	KALMAR TOWER Swedish/English	
5.	Transition altitude	5000 ft AMSL	
6.	Remarks	CTR established during hours of TWR.	

ESMQ 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR/APP	KALMAR TOWER	130.800 MHz	HO	Primary FREQ VDF.
		121.500 MHz	HO	VDF
		127.050 MHz	HX	VDF

ESMQ 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 16 ILS CAT I (5° E 2015)	MQ	108.70 MHz	H24	564034.0N 0161747.4E		556 m beyond THR 34 ILS Class I/E/2
GP		330.50 MHz	H24	564141.2N 0161651.0E		Angle 3.0° RDH 50 ft 320 m past THR 16 left side
OM				564450.8N 0161339.8E		-
MM				564218.6N 0161607.2E		-
L 16	KM	366 kHz	H24	564450.7N 0161340.1E		Range 15 NM
VOR/DME (5° E 2015)	KAL	111.60 MHz	H24	564107.4N 0161703.1E	26 ft	200 m W ARP DME channel 53X

ESMQ 2.20 LOKALA TRAFIKFÖRESKRIFTER

Minsta möjliga motoreffekt skall användas vid taxning på plattan.

LOCAL TRAFFIC REGULATIONS

Engines shall be operated at minimum power required when taxiing on apron.

ESMQ 2.21 MINSKNING AV BULLERSTÖRNING

1. På sid ESMQ-4-3/4, ESMQ-4-5/6 och ESMQ 6-1 angivna flygvägar för ankommande och avgående IFR-respektive VFR-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.

ESMQ 2.22 FLYGPROCEDURER

1. Ankommande IFR-trafik inom Kalmar TMA/CTR

Flygvägar

Flygvägar för ankommande trafik är upprättade enligt ESMQ-4-3/4 and ESMQ-4-5/6.

Väntlägen (Ref ENR 1.3 mom 8)

Väntlägen är upprättade enligt ESMQ 4-1.

2. Avgående IFR-trafik inom Kalmar TMA/CTR

Flygvägar

Flygvägar för avgående trafik är upprättade enligt ESMQ-4-3/4 och ESMQ-4-5/6.

3. Startprocedurer, omnidirectional

NOISE ABATEMENT PROCEDURES

1. The routes for inbound and outbound IFR and VFR traffic laid out on pages ESMQ-4-3/4, ESMQ-4-5/6 and ESMQ 6-1 respectively, 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.

FLIGHT PROCEDURES

1. Inbound IFR traffic within Kalmar TMA/CTR

Routes

Arrival routes are established in accordance with ESMQ-4-3/4 and ESMQ-4-5/6.

Holdings (Ref ENR para 1.3 mom 8)

Holdings are established in accordance with ESMQ 4-1.

2. Outbound IFR traffic within Kalmar TMA/CTR

Routes

Departure routes are established in accordance with ESMQ-4-3/4 and ESMQ-4-5/6.

3. Omnidirectional departure procedures

RWY	Procedure	Significant obstacle		
		Obstacle	Elevation (ft)	Direction (GEO)/Dist (m) from THR
16	Climb straight ahead to MNM turning ALT 600 ft. Continue climb to appropriate MSA.	Stack (Chimneys)	225	144°/5300
		(CIO) Railing	52	149°/2500
34	Climb straight ahead to MNM turning ALT 500 ft. Continue climb to appropriate MSA.	(CIO) Pine forest	82	326°/2500

4. VFR-flygning inom Kalmar TMA/CTR

Normala in- och utpasseringspunkter
Se ESMQ 6-1

Väntlägen

Se ESMQ 6-1

Avbrott i radioförbindelse
Se ESMQ 6-1

4. VFR flight within Kalmar TMA/CTR

Normal entry and exit points
See ESMQ 6-1

Holdings

See ESMQ 6-1

Communication failure
See ESMQ 6-1

ESMQ 2.23 ÖVRIG INFORMATION

NIL

ADDITIONAL INFORMATION

NIL

ESMQ 2.24 TILLHÖRANDE KARTOR

RELATED CHARTS

AD chart		ESMQ-2-1
AOC	RWY 16/34	ESMQ-3-1
Area chart	(TMA)	ESMQ 4-1
List of waypoints and significant points		ESMQ 4-3
SID/STAR	RWY 16	ESMQ-4-5
SID/STAR	RWY 34	ESMQ-4-7
ATC Surveillance Minimum ALT chart		ESMQ 4-91
IAC	ILS z or LOC z RWY 16	ESMQ-5-1
IAC	ILS y or LOC y RWY 16	ESMQ-5-2
IAC	NDB RWY 16	ESMQ-5-3
IAC	VOR RWY 34	ESMQ-5-4
IAC	RNP RWY 34	ESMQ-5-5
VAC		ESMQ 6-1