

EKYT - AALBORG AIR BASE**1. AERODROME LOCATION INDICATOR AND NAME**

EKYT – AIR TRANSPORT WING AALBORG

2. AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	570534.04N 0095056.99E On RWY 08R/26L, 836 M from THR 08R
2	Direction and distance from (city)	320°/3,5 NM from Aalborg
3	AD Elevation REF temperature	8 FT AMSL 21.9°C (2018-2022)
4	MAG VAR Annual change	4.0°E (JAN 2023) Increasing: 12' E per year.
5	AD administration postal address Telephone AFTN Email	Air Transport Wing Aalborg Thisted Landevej 53 9430 Vadum +45 728 46310 EKYTZPZM woc@atwaal.dk
6	Types of traffic permitted	IFR/VFR
7	Remarks	Height references EGM96 (Earth Gravitational Model 1996).

3. OPERATIONAL HOURS

1	AD administration	MON - THU 0700-1400 (0600-1300) FRI 0700-1100 (0600-1000)
2	Customs and immigration	As AD administration
3	Health and sanitation	Medical service AVBL
4	AIS briefing office	As AD administration
5	ATS reporting office	As AD administration
6	MET briefing office	MO EKKA
7	ATS	H24
8	Fuelling	As AD administration
9	Handling	As AD administration
10	Security	H24
11	De-icing	As AD administration
12	Remarks	PPR 72 HR for landing.

4. HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	YES
2	Fuel/oil types	F-18 (limited capacity), F-34/ O-123, O-128, O-148, O-149, O-156, H-515
3	Fuelling facilities/capacity	
4	De-icing facilities	YES
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	YES
7	Remarks	

5. PASSENGER FACILITIES

1	Hotels	In Aalborg
2	Restaurants	Cafeteria on base. Restaurants in Aalborg.
3	Transportation	Taxi, bus and train. Connection to Copenhagen from Aalborg Airport.
4	Medical facilities	Hospital in Aalborg.
5	Bank and post office	In Vadum, outside main gate
6	Tourist office	In Aalborg.
7	Remarks	

6. RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 6 (H24). CAT 7-9 on request, PPR 72H in advance (Ref. AD 1.2-1).
2	Rescue equipment	YES
3	Capability for removal of disabled aircraft	Rescue crane and jacks
4	Remarks	Boats avbl.

7. SEASONAL AVAILABILITY - CLEARING

1	Types of cleaning equipment	Snowploughs, sweepers and spreaders. Snowblower. Chemicals: KFOR, NAFO, UREA.
2	Clearance priorities	1. Apron in front of Fire and Rescue station 2. Main RWY and TWY C 3. Apron 4. South parallel RWY and TWY A and E 5. TWY B and D
3	Remarks	Information on snow clearance published from November to April in SNOWTAM.

8. APRONS, TAXIWAYS AND CHECK LOCATION DATA

1	Apron surface and strength	Mil apron: Concrete, PCN 74 R/D/W/T Dolphin: Concrete, PCN 74 R/D/W/T
2	Taxiway width, surface and strength	TWY A: 75 ft, Asph./concr. PCN 52 F/D/W/T TWY B, H: 50 ft, Asph./concr. PCN 52 F/D/W/T TWY C, D, E, G: 75 ft, Asph./concr. PCN 52 F/D/W/T TWY F, N, J, K: 45 ft, Asph./concr. PCN 52 F/D/W/T TWY GA1, GA2: 65 ft, Asph./concr. PCN 52 F/D/W/T TWY M, L: 39 ft, Asph./concr. PCN 52 F/D/W/T
3	ACL location and elevation	Not established
4	VOR/INS checkpoints	Not established
5	Remarks	Dolphin Apron unsuitable for fighter jets and jet aircraft with low mounted engines due to risk of FOD ingestion.

9. SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM MARKING

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft signs	Not established
2	RWY and TWY markings and LGT	RWY 08L/26R: RWY DESIG, THR, TDZ, CL, EDGE and RWY END marked and lighted. RWY 08R/26L: RWY DESIG, THR, CL, EDGE and RWY END marked. THR, EDGE and RWY END lighted. RWY LGT: See Item 2.14 TWY day markings: CL, EDGE and holding positions marked. Edge light on TWY: A, C, D, E, F, G, H, K, L, M, N.
3	Stop bars	NIL
4	Remarks	LED Lights: All lights associated with RWY 08L and 26R, except PAPI. RWY edge 08R and 26L. TWY A, D, E, F, G, H, K, L, M, N

10. AERODROME OBSTACLES

Obstacles for Area 2, 3 and 4 are pending. Height references DVR90 (EGM96 pending).

Obstacles penetrating obstacle limiting surfaces								
OBST ID	OBST type	OBST position		ELEV / HGT (ft)		Markings / Type, Colour	Obstacle limiting surfaces	
							Surface	Penetration (ft)
237537	Building	57 03 56.00N	009 54 00.00E	238	229	Lighted	Inner horizontal	83.36
10640	Antenna	57 07 17.07N	009 51 34.23E	211	179	Lighted	Inner horizontal	56.36
8176	Antenna	57 04 09.99N	009 56 00.48E	253	131	Lighted	Conical	27.03
ID 000445	Building	57 03 47.68N	009 53 50.51E	180.9	180	None	Inner horizontal	26.26
ID 9000-064	Terrain	57 04 40.48N	009 54 42.70E	165.6	0	None	Inner horizontal	10.96
10661	Antenna	57 04 21.34N	009 54 47.19E	165	129	Lighted	Inner horizontal	10.36
ID 009151	Building	57 05 33.93N	009 56 12.85E	164.7	65	Lighted	Inner horizontal	10.06
219192	Antenna	57 04 24.12N	009 53 09.57E	157	145	Lighted	Inner horizontal	2.36

Obstacles penetrating take-off flight path area obstacle identification surface							
OBST ID	OBST type	OBST position		ELEV / HGT (ft)		Markings / Type, Colour	Remarks
169397	Antenna	57 06 07.25N	009 54 46.23E	108	98	Lighted	

Obstacles assessed as being hazardous to air navigation							
OBST ID	OBST type	OBST position		ELEV / HGT (ft)		Markings / Type, Colour	Remarks
Nibe	Mast	56 58 45.00N	009 45 51.00E	1222	1051	Lighted	
Frejlev	Mast	57 00 13.00N	009 49 29.00E	854	680	Lighted	
Nordjyllandsværket	Chimney	57 04 31.00N	010 02 26.00E	565	558	Lighted	

11. METEOROLOGICAL INFORMATION PROVIDED

See GEN 3.5.

12. RUNWAY PHYSICAL CHARACTERISTICS

RWY designator	Direction	Dimension of RWY	Strength and surface of RWY and SWY	THR coordinates	THR elevation (ft)
					TDZ elevation (ft)
1	2	3	4	5	6
08L	083.3°T 079.3°M	8694 x 148 ft or 2650 x 45 M	PCN 66 F/D/W/T Concrete/Asphalt Composite constr.	570537.37N 0095000.30E	THR 6
26R	263.3°T 259.3°M			570547.43N 0095236.63E	TDZ 7
08R	083.3°T 079.3°M	8369 x 75 ft or 2551 x 23 M	PCN 52 F/D/X/U Asphalt	570530.87N 0095007.68E	THR 8
26L	263.3°M 259.3°M			570540.52N 0095238.07E	TDZ 8
					THR 6
					-
					THR 8
					-

Rwy	Slope of RWY-SWY	SWY dimensions	CWY dimensions	Strip dimensions	RESA	OFZ	Remarks
	7	8	9	10	11	12	13
08L	Less than 1°	728 x 148 ft / 222 X 45 M	NIL	9087 x 984 ft / 2770 x 300 M	787 x 295 ft / 240 x 90 M	NIL	NIL
26R		895 x 148 ft / 273 x 45 M		9087 x 984 ft / 2770 x 300 M	787 x 295 ft / 240 x 90 M		
08R		491 x 75 ft / 150 x 23 M		8756 x 984 ft / 2669 x 300 M	98 x 295 ft / 30 x 90 M		
26L		492 x 75 ft / 150 x 23 M		8756 x 984 ft / 2669 x 300 M	98 x 295 ft / 30 x 90 M		

Strip Surface: Aerodrome strip are grass areas with few remains of old concrete infrastructure.

13. DECLARED DISTANCES

RWY Designator	TORA	TODA	ASDA	LDA	Remarks
1	2	3	4	5	6
08L	8694 ft / 2650 M	8694 ft / 2650 M	9422 ft / 2872 M	8694 ft / 2650 M	
26R	8694 ft / 2650 M	8694 ft / 2650 M	9589 ft / 2922 M	8694 ft / 2650 M	
08R	8369 ft / 2551 M	8369 ft / 2551 M	8861 ft / 2701 M	8369 ft / 2551 M	
26L	8369 ft / 2551 M	8369 ft / 2551 M	8861 ft / 2701 M	8369 ft / 2551 M	

14. APPROACH AND RUNWAY LIGHTING

RWY	APP LIGHT	THR LIGHT	PAPI	TDZ LIGHT	RWY CL LIGHT	RWY EDGE LIGHT	RWY END LIGHT	SWY LIGHT	Rem.
	Type Length Intensity	Colour WBAR	Angle MEHT	Length	Length Spacing Colour Intensity	Length Spacing Colour Intensity	Colour WBAR	Length Colour	
08L	MALS 1542 ft / 470 M White LIH	GREEN LIH	3.00° 60 FT		8694 ft / 2650 M 49 ft / 15 M White. From 1750-2350 M Red/White. From 2350 M Red. LIH	8694 ft / 2650 M 197 ft / 60 M White LIH	RED LIH		
26R	CAT II/III 2953 ft / 900 M LIH	GREEN LIH	3.00° 51 FT	2953 ft / 900 M LIH	8694 ft / 2650 M 49 ft / 15 M White. From 1750-2350 M Red/White. From 2350 M Red. LIH	8694 ft / 2650 M 197 ft / 60 M White LIH	RED LIH		
08R	SRC 492 ft / 150 M White LIL	GREEN LIL	3.00°			8366 ft / 2550 M LIL	RED LIL		
26L	SRC 492 ft / 150 M White LIL	GREEN LIL	3.00°			8366 ft / 2550 M LIL	RED LIL		

Remarks:

1. LED Lights: All lights associated with RWY 08L and 26R RWY edge 08R and 26L.
2. On RWY 08L/26R the distance between RWY edge marking and RWY edge lights are wider than standard, this can result in an optical illusion that 08L/26R are shorter than it in fact is.

15. OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location characteristics and hours of operation	
2	LDI indication and LGT Anemometer location and LGT	
3	TWY edge and centreline lighting	Blue edge light, LIL. RGL for RWY 08L/26R.
4	Secondary power supply switch-over time	15 sec. During CAT II and III and during departures with RVR less than 800m MAX 1 sec.
5	Remarks	

16. HELICOPTER LANDING AREA

Visiting helicopters operate from established runways.

17. ATS AIRSPACE

1	Designation and lateral limits	AALBORG CTR From 570838N 0093355E - 570858N 0093955E - 571228N 0094625E - 571258N 0095355E - 571028N 0100128E - 571048N 0100655E - 570248N 0100855E - 570228N 0100315E - 565858N 0095645E - 565828N 0094910E - 570108N 0094125E - 570048N 0093555E To 570838N 0093355E.
2	Vertical limits	1.500 FT MSL
3	Airspace classification	D
4	ATS unit call sign Language(s)	AALBORG TOWER EN, DA
5	Transition altitude	3.000 FT
6	Remarks	For description of YT TMA see ENR 2.1-4

18. ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	AALBORG APPROACH	123.980 121.50++ 362.450 243.000++	H24	FL 250/60 NM FL 150/40 NM
ARR	AALBORG ARRIVAL	120.705 315.000		FL 150/40 NM
TWR	AALBORG TOWER	118.305 121.50++ 353.525 257.800 243.000++	H24 H24 H24	4000 FT/25 NM FL 250/50 NM 4000 FT/25 NM.
ATIS	AALBORG AIRPORT INFORMATION	120.480	H24	FL 200/60 NM ++ = emergency

19. RADIO NAVIGATION AND LANDING AIDS

Type of aid Cat of ILS/MLS (Variation)	ID	Frequency (MHz)	Hours of operation	Site of transmitting antenna coordinates	Remarks
1	2	3	4	5	7
VOR/DME 4°E (2022)	AAL	116.70 CH 114x	H 24	570613.39N 0095944.08E	30m S of centreline Coverage FL 500/100 NM. DME INFO from TACAN.
TACAN 4°E (2023)	AAL	116.70 CH 114x	H 24	570614.16N 0095934.11E	Coverage FL 500/200 NM. Elev. 56.8 ft
LOC 26R CAT III	YT	111.55	H 24	570535.99N 0094938.82E	ILS class III/E/4
ILS GP 26		332.75	H 24	570550.27N 0095217.47E	Angle 3.00° / RDH 51 FT
DME 26R	YT	CH 52y	H 24	570550.27N 0095217.47E	Freq paired with LOC 26R Elev. 18.7 ft.
LOC 08L	AE	109.90	H 24	570549.02N 0095301.40E	ILS class I/E/4
ILS GP 08L		333.80	H 24	570542.71N 0095017.44E	Angle 3.00° / RDH 54 FT
DME 08L	AE	CH 36x	H 24	570542.71N 0095017.44E	Freq paired with LOC 08L Elev. 32.8 ft.
TAR			H 24	570527.76N 0095120.99E	Max range 60 NM, 40.000FT
MSSR			H 24	570527.76N 0095120.99E	Max range 200 NM 40.000FT

20. LOCAL AERODROME REGULATIONS

Use of TWY N is only permitted for aircraft size up to and including C-130. Larger size aircraft will need specific clearance from Current OPS before using TWY N.

Start-up clearance required for all aircraft, also for engine ground run.

T-17 parking is in front of the T-17 hangar (Building 165) located at Eastern edge of Dolphin apron. Taxi in via Taxiway L and follow the yellow lines to one of the three parking spots. To ensure proper clearance to traffic using Taxiway L, parking on marked parking spots is mandatory. T-17 will give way to traffic on Taxiway L.

CAUTION: Apron is narrow and does not conform to ICAO standards. Taxi lines must be followed closely since wheel clearance to edge of apron is limited. Towing of aircraft before engine start may be necessary, as wing tip clearance is not assured when another aircraft is parked opposite.

21. NOISE ABATEMENT PROCEDURES

1. Jet aircraft

1.1 In connection with approach to landing, a minimum height of 2300 FT shall be observed over greater Aalborg.

1.2 Mandatory VFR patterns are established for 4 engine jet aircraft. See the following pages for details.

22. FLIGHT PROCEDURES

1. IFR Arrival

- 1.1 Aircraft will normally be cleared by ACC KØBENHAVN to AAL VOR, BAKIT OR GIPUG.
- 1.2 Radio Communication failure.
Navigation aid designated for radio communication failure during IMC for arriving aircraft is VORTAC AAL.

2. IFR Departure

- 2.1 Standard Instrument Departures.
Standard Instrument Departures (SID) have not been established.
- 2.2 Omnidirectional departures
RWY 08L/R and 26R/L: Climb straight ahead to at least 600 FT MSL before turn is commenced. See also "Noise Abatement Provisions", item 21.
- 2.3 Unless otherwise instructed, when airborne contact Aalborg Approach on 123.980 MHZ (IFR flights only).

3. Low Visibility Procedures

- 3.1 ATC will apply special safeguards and procedures during conditions of low visibility.
- 3.2. Criteria for activation of LVP
Low Visibility Procedures are prompted by ATC and will normally be introduced when the RVR is less than 550 M or when ceiling is below 200FT.
- 3.3 Pilots will be informed when Low Visibility Procedures are in operation by ATIS and/or RTF. Pilots will be informed over RTF when Low Visibility Procedures are cancelled.
- 3.4 The following procedures will apply during Low Visibility Procedures:
 - a. ATC Procedures
When RVR is below 550m ATC can only allow one aircraft on the manoeuvring area at a time.
 - b. Pilot Procedures
Marshaller Service with Low Visibility Procedures in operation.
On request marshaller service to or from runway is available due to the lack of centerline lights on taxiways and RWY 08R/26L. Request for marshaller service must be stated to Aalborg Tower on 118.305 MHz

Pilots should on own initiative report "runway vacated and established on...." when the aircraft is fully clear of the runway and established on either TWY N or RWY 08R/26L.

4. Precision Approach. Category II/III Operations

- 4.1 The operations during CAT II / III approaches are subject to the following procedures and conditions.
- a. ATC procedures.
The minimum distance between an aircraft on final approach carrying out a Category II/III ILS approach and any other preceding aircraft will not be less than 5 NM. The separation must be established at the latest when preceding aircraft passes THR.
Departing aircraft must have commenced take-off run before arriving aircraft has left 2000 FT on final approach.
 - b. Pilot procedures.
Pilots who intend to carry out a Category II/III ILS approach are to use the following phrase:
"Request ILS Category II/III approach runway 26R".
Above mentioned request shall be made on first contact with AALBORG APPROACH.

5. Reduced Runway Separation Minima

- 5.1 ATC may apply reduced runway separation for all runways at Aalborg. For succeeding military aircraft this will only be used for VFR-flights.
- 5.2 Traffic information will be given to succeeding aircraft.
- 5.3 Phraseology used for military flights will with ref. to FKOBST F.152-1 be "LAND AFTER PRECEDING LANDING" / "[Traffic information] CLEARED FOR TAKE-OFF"
- For civilian flights the phraseology will be:
"[Traffic information] CLEARED TO LAND" / "[Traffic information] CLEARED FOR TAKE-OFF"
- 5.4 ATC will make sure that approved minimum separation will exist between aircraft.
- 5.5 Reduced runway separation will not be used between departing and preceding landed aircraft.

6. VFR Flights

- 4.1 VFR reporting points, VFR holdings and VFR routes are established, see LFC 1:500 000 – Denmark.

23. ADDITIONAL INFORMATION**1. Parachuting**

- 1.1 Parachuting may take place.

2. Birds and wildlife

- 2.1 Aalborg Air base/Aalborg airport experiences large bird activity in particular periods and time intervals, in the western part of the air base/airport area. The bird activity is usually concentrated over the water (The Limfjord) around dawn and the late afternoon hours.
- 2.2 Crews are encouraged to raise awareness of birds during mentioned periods. Crews are also encouraged not to use intersection take-off from RWY 26R/L during mentioned periods due to increased risk of birdstrike.
- 2.3 Due to high bird intensity full runway length is recommended for take-off from RWY 26R for all turboprop and jet aircraft in the period from 01 SEP to 30 APR.

3. Markings

- 3.1 Yellow markings (brackets) are established on RWY 08R/26L for C-130 training purposes.

24. CHARTS RELATED TO EKYT

Aerodrome Chart
Ground Movement Chart (GMC)
Aerodrome Obstacle Chart – ICAO – Type A 08L
Precision Approach Terrain Chart 26R
Visual approach chart
Noise abatement chart
VFR pattern for 4 engine jet aircraft RWY 08L
VFR pattern for 4 engine jet aircraft RWY 26R
Aerodrome Obstacle Chart – ICAO – Type A 26R is not published, as there are no obstacles in the take-off flight path area.

ILS OR LOC RWY 08L
COPTER ILS OR LOC RWY 08L
HPMA TACAN RWY 08L
TACAN RWY 08L (CAT A-B)
TACAN RWY 08L (CAT C-E)
RNP RWY 08L
ILS OR LOC RWY 26R
COPTER ILS OR LOC RWY 26R
HPMA VORTAC RWY 26R
VORTAC RWY 26R
RNP RWY 26R