

AD 2. AERODROMES**HLGD AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

HLGD - SIRTE / Ghardabiya International

HLGD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	N310336.20 E0163530.51 (WGS-84)
2	Direction and distance from city	South 180° - 20 km from city
3	Elevation/Reference temperature	270 ft / 35°C
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/Annual change	2°E (2012)
6	AD Administration, address, telephone, telefax, AFS	Civil Aviation Authority Ghardabiya International Airport P.O. Box 715 Sirte Tel: 00218-54-65455 00218-21-3617748 AFTN: HLDGZPZX
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	Nil

HLGD AD 2.3 OPERATIONAL HOURS

1	AD Administration	SAT-THU 0600-1300
2	Customs and immigration	H24
3	Health and sanitation	H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	H24
9	Handling	H24
10	Security	H24
11	De-icing	Nil
12	Remarks	Nil

HLGD AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	Nil
2	Fuel/oil types	Jet A1 - AvGas oil
3	Fuelling facilities/capacity	Fuel Trucks
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

HLGD AD 2.5 PASSENGER FACILITIES

1	Hotels	Avbl in city
2	Restaurants	Avbl in city
3	Transportation	Avbl
4	Medical facilities	By request
5	Bank and Post Office	In the city
6	Tourist Office	In the city
7	Remarks	Nil

HLGD AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Within AD HR CAT 8
2	Rescue equipment	Nil
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

HLGD AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Nil
2	Clearance priorities	Nil
3	Remarks	Nil

HLGD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Concrete 80 (PCN)
2	Taxiway width, surface and strength	17 m Asphalt BCN 60
3	Altimeter checkpoint location and elevation	Nil
4	VOR checkpoints	VOR Freq: 117.000 MHz
5	INS checkpoints	Nil
6	Remarks	VOR Coord: N310333 E0163553

HLGD AD 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 aircraft stands	Follow me / marshaller
2	RWY and TWY markings and LGT	Rwy: Designation, THR edge TWY: Edge LGT
3	Stop bars	Yes
4	Remarks	Nil

HLGD AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas			In circling area and at AD		Remarks
1			2		3
RWY NR. Area affected	Obstacle type Elevation Markings/LGT	Coord.	Obstacle type Elevation Markings/LGT	Coord.	
a	b	c	a	b	
Nil	Nil	Nil	Nil	Nil	

HLGD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Nil
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/consultation provided	Nil
6	Flight documentation language(s) used	English
7	Charts and other information available for briefing or consultation	Nil
8	Supplementary equipment available for providing information	AFTN
9	ATS units provided with information	Nil
10	Additional information (limitation of service, etc.)	Nil

HLGD AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR coord. RWY end coord. THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
18	180°	3600 x 45	Concrete LCN 100	N310433.78 E0163537.74	THR 258 ft
36	360°			N310236.84 E0163539.36	THR 270 ft
Designations RWY NR	Slope of RWY - SWY	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ
1	7	8	9	10	11
18/36	0%	300 x 45	300 x 45	Nil	Nil
Designations RWY NR	Remarks				
1	12				
18/36	Nil				

HLGD AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
18/36	3600	3900	3900	3600	Nil

HLGD AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT Type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY CL LGT LEN spacing colour INTST	RWY Edge LGT LEN spacing colour INTST	RWY End LGT colour WBAR	SWY LGT LEN colour	Remarks
1	2	3	4	5	6	7	8	9	10
18	ALS LIH Red	RTHL Green	PAPI-L	Yes	Nil	REDL LIH White	LIH	Nil	Nil
36			PAPI-L 3.00°						

HLGD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	Nil
2	LDI location and LGT Anemometer location and LGT	Nil
3	TWY edge and centre line lighting	Only edges
4	Secondary power supply/ Switch-over time	Secondary power supply to all lighting at AD. Switch-over time: 1 Sec
5	Remarks	Nil

HLGD AD 2.16 HELICOPTER LANDING AREA

Nil

HLGD AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Nil
2	Vertical limits	Nil
3	Airspace classification	Nil
4	ATS unit call sign language(s)	Nil
5	Transition altitude/Transition level	5000 ft / FL70
6	Remarks	Nil

HLGD AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Ghardabiya Tower	128.600 MHz	H24	Nil
APP	Ghardabiya Approach	128.600 MHz	H24	Nil
GND	Ghardabiya Ground	121.900 MHz	H24	Nil

HLGD AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR/DME 2°E	SRT	117.000 MHz CH 117X	H24	N310332.58 E0163552.80	267 ft	Nil
NDB	SRT	407 KHz	H24	N310341.94 E0163512.42	Nil	Nil
ILS RWY 36						
LOC 2°E	I-SIT	109.900 MHz	HO	N310443.86 E0163537.62	Nil	Nil
GP	I-SIT	333.800 MHz	HO	N310246.32 E0163535.52	Nil	Glideslope 3°

HLGD AD 2.20 LOCAL TRAFFIC REGULATIONS

20.1 Airport regulations

General:

Aerodrome restricted to aircraft capable of maintaining two-way radio communications with ATC.

20.2 Taxiing to and from stands

- a) Arriving flights will be allocated a stand number by the ground controller and assistance from "FOLLOW ME" vehicle can be requested via the ground controller.
- b) Departing IFR flights shall contact the TWR to obtain ATC clearance before commencing taxiing.

20.3 Parking area for small aircraft (General aviation)

General aviation aircraft shall not be guided by marshalls to the parking area for small aircraft.

20.4 Parking area for helicopters

As directed by ATC.

20.5 Apron - taxiing during winter conditions

Not applicable.

20.6 Taxiing-limitations

Nil.

20.7 School and training flights - technical test flights - use of runways

Nil.

20.8 Helicopter traffic - limitation

Nil.

20.9 Removal of disabled aircraft from runways

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed as soon as possible. If a wrecked aircraft is not removed from the runway as quickly as possible by the owner or user, the aircraft will be removed by the aerodrome authority at the owner's or user's expense.

HLGD AD 2.21 NOISE ABATEMENT PROCEDURES

Non Noise Certificated subsonic airplane (NNC) operations restricted daily between sunset/sunrise.

HLGD AD 2.22 FLIGHT PROCEDURES

22.1 Communication failure

In the event of communication failure the pilot shall act in accordance with the communication failure procedures in ANNEX 2. For the TRIPOLI FIR, information concerning the associated navigation aids and the routing is given on page ENR 1.6-2.

22.2 Procedures for VFR flights within SIRTE TMA

Provided traffic conditions so permit ATC clearance for VFR flights will be given under the conditions described below:

- a) A flight plan requesting ATC clearance, containing items 7 to 18 and indicating the purpose of the flight, shall be submitted.
- b) ATC clearance shall be obtained immediately before the aircraft enters the area concerned.
- c) Position reports shall be submitted in accordance with 3.6.3 of ANNEX 2.
- d) Deviation from the ATC clearance may only be made when prior permission has been obtained.

e) The flight shall be conducted with vertical visual reference to the ground unless the flight can be conducted in accordance with the Instrument Flight Rules.

f) Two-way radio communication shall be maintained on the frequency prescribed. Information about the appropriate frequency can be obtained from Tripoli Information.

g) The pilot-in-command shall be the holder of an International VHF licence.

22.3 Procedures for VFR flights within SIRTE CTR

a) Flight plan shall be filed for the flight concerned.

b) ATC clearance shall be obtained from the Control Tower.

c) Deviation from ATC clearance may only be made when prior permission has been obtained.

d) The flight shall be conducted with vertical visual reference to the ground.

e) Two-way radio communication shall be established on the frequency prescribed before flight takes place in the control zone.

HLGD AD 2.23 ADDITIONAL INFORMATION

Nil

HLGD AD 2.24 CHARTS RELATED TO THE AERODROME

AERODROME CHART - ICAO	AD 2 HLGD-7
INSTRUMENT APPROACH CHART - ICAO - VOR ILS DME RWY 36	AD 2 HLGD-9
INSTRUMENT APPROACH CHART - ICAO - VOR DME RWY 18	AD 2 HLGD-11
INSTRUMENT APPROACH CHART - ICAO - VOR DME RWY 36	AD 2 HLGD-13

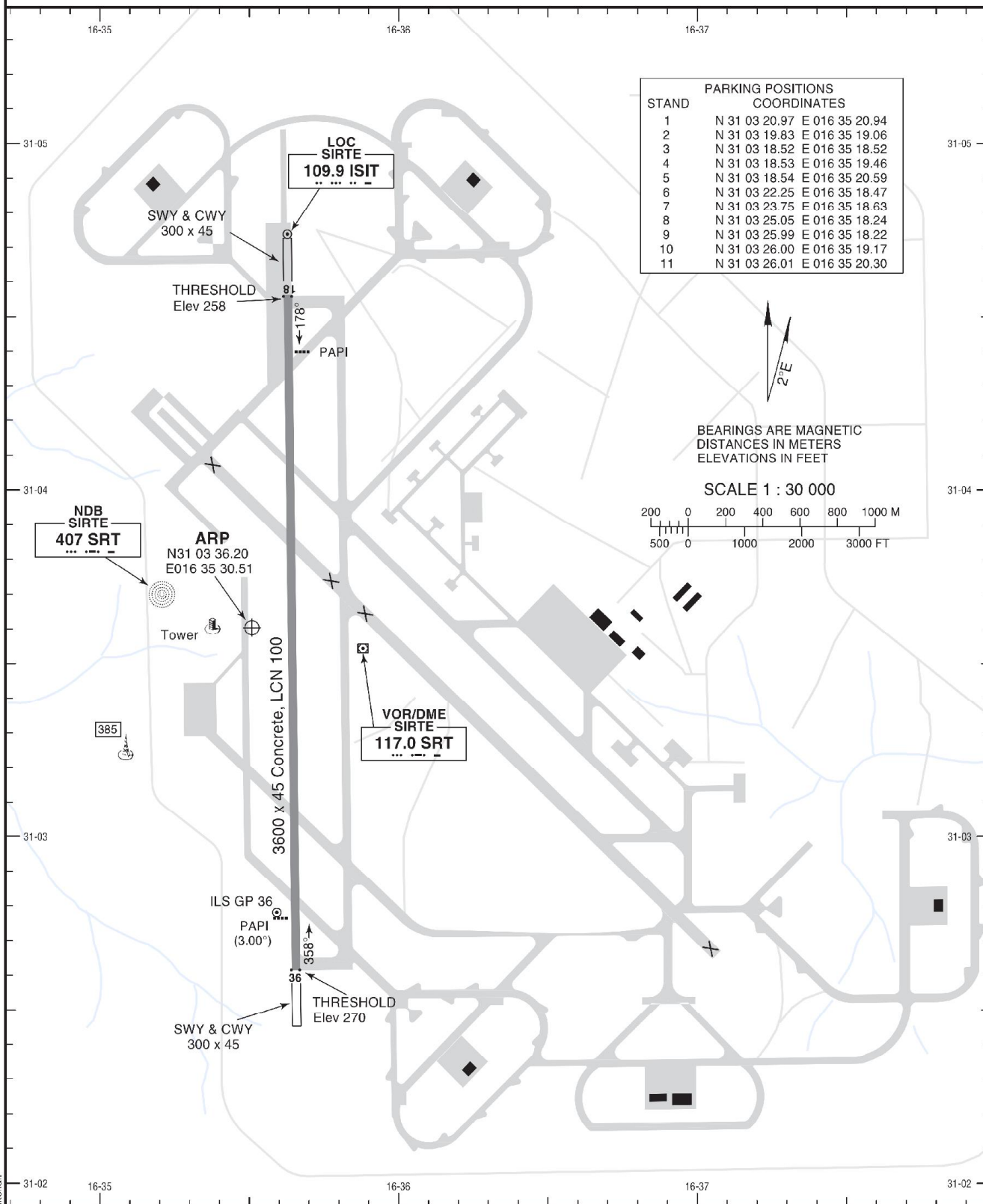
AERODROME
CHART - ICAO

WGS-84

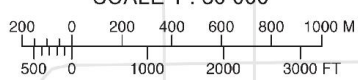
AD ELEV 270 FT

TWR 128.600
GND 121.900

SIRTE, LIBYA
Ghardabiya Intl



STAND	PARKING POSITIONS COORDINATES	
1	N 31 03 20.97	E 016 35 20.94
2	N 31 03 19.83	E 016 35 19.06
3	N 31 03 18.52	E 016 35 18.52
4	N 31 03 18.53	E 016 35 19.46
5	N 31 03 18.54	E 016 35 20.59
6	N 31 03 22.25	E 016 35 18.47
7	N 31 03 23.75	E 016 35 18.63
8	N 31 03 25.05	E 016 35 18.24
9	N 31 03 25.99	E 016 35 18.22
10	N 31 03 26.00	E 016 35 19.17
11	N 31 03 26.01	E 016 35 20.30



BEARINGS ARE MAGNETIC
DISTANCES IN METERS
ELEVATIONS IN FEET

SCALE 1 : 30 000

AMENDMENT: AD elevation, Editorial.

RWY	DIRECTION	THRESHOLD	DECLARED DISTANCES				AERODROME LIGHTING
			TORA	TODA	ASDA	LDA	
18	178° MAG	N 31 04 33.78 E 016 35 37.74	3600	3900	3900	3600	Rwy 18: ALS LIH (length 900m) PAPI-L REDL LIH
36	358° MAG	N 31 02 36.84 E 016 35 39.36	3600	3900	3900	3600	Rwy 36: ALS LIH (length 900m) PAPI-L (3.00°) REDL LIH

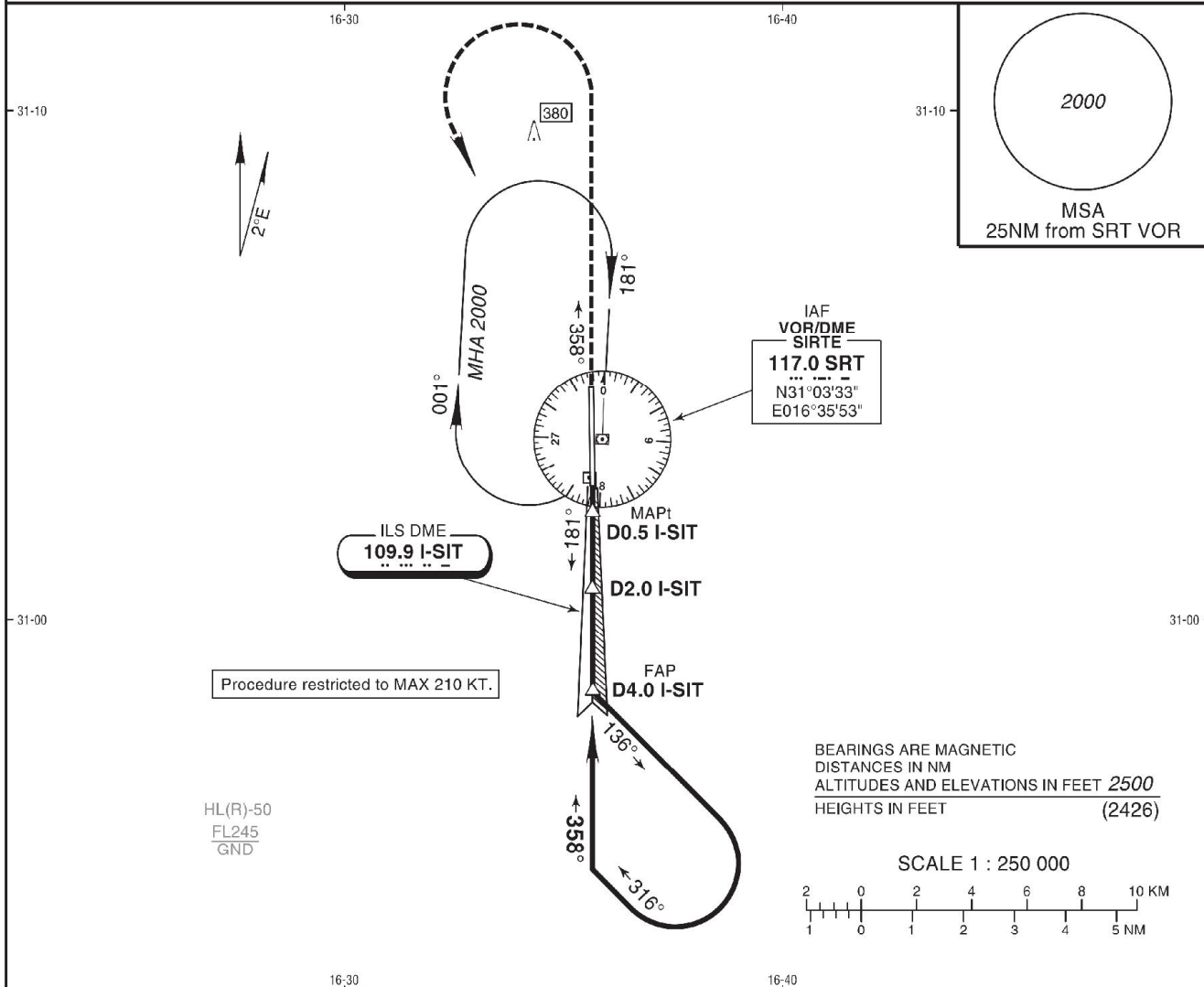
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INSTRUMENT
APPROACH
CHART - ICAO

AD ELEV 270 FT
HEIGHTS RELATED TO
THR RWY 36 ELEV 270 FT

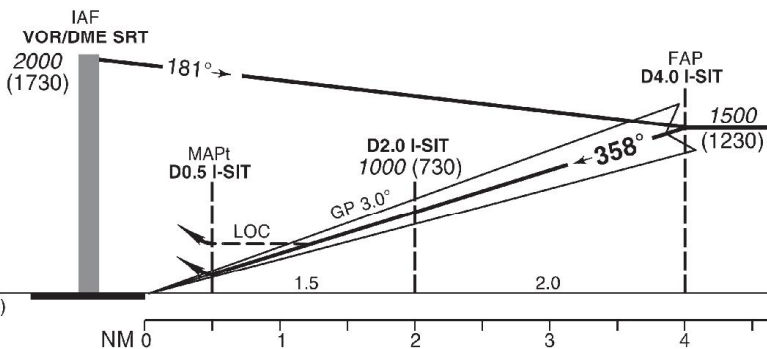
APP 128.600
TWR 128.600
GND 121.900

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VOR ILS DME RWY 36



Trans Altitude 5000
Trans Level FL70

MISSED APPROACH:
Climb STRAIGHT AHEAD
to 2000, then turn
LEFT direct to SRT VOR
and hold.



w/o DME:
Start turn at
A/B 2 min
C/D 1 1/2 min

STRAIGHT-IN APPROACH		A	B	C	D
ILS DME	DA(H)	500 (230)			
	VIS	800			
	w/o lights	1200			
LOC	MDA(H)	520 (250)			
	VIS	800		1200	
	w/o lights	1600		1600	
CIRCLING (HAT)*		A	B	C	D
		MDA(H) 1500 (1230)			
		1900	2800	3700	4600

ADVISORY INFORMATION ONLY						
Ground speed kt	70	90	100	120	140	160
ILS GP 3.0° ft/min	377	484	538	646	753	861

Notes:
1. ILS DME reads zero at rwy 36 threshold.

* Not authorized East of airport.

AMENDMENT: AD elevation. Note removed. Editorial.

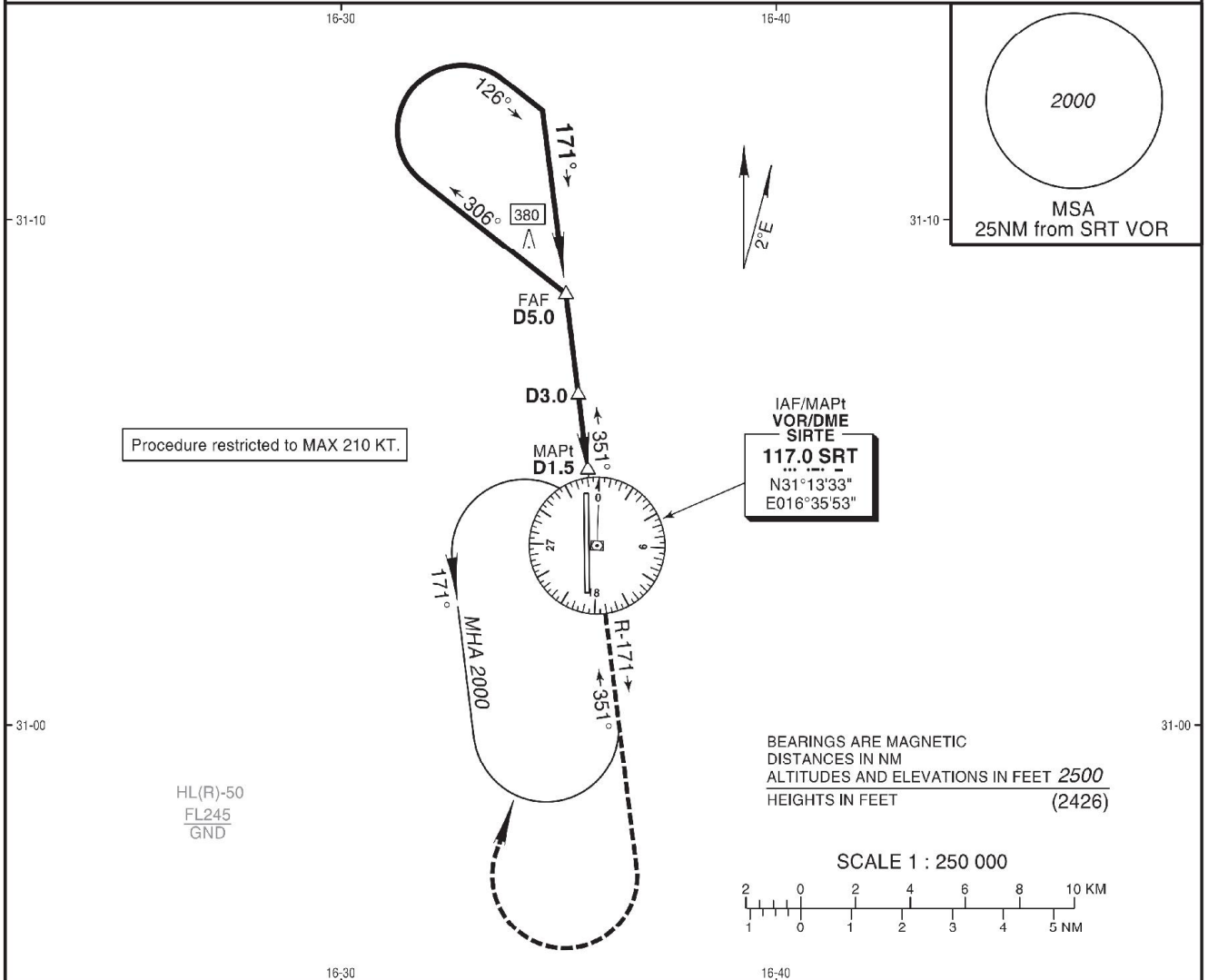
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INSTRUMENT
APPROACH
CHART - ICAO

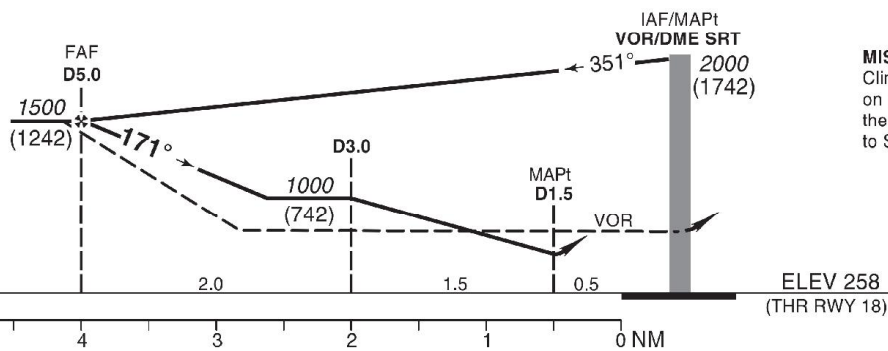
AD ELEV 270 FT
HEIGHTS RELATED TO
THR RWY 18 ELEV 258 FT

APP 128.600
TWR 128.600
GND 121.900

SIRTE, LIBYA
Ghardabiya Intl
VOR DME RWY 18



VOR:
Start turn at
A/B 2 min
C/D 1 1/2 min



STRAIGHT-IN APPROACH		A	B	C	D
VOR DME	MDA(H)	550 (292)			
	VIS	1200		1600	
	w/o lights	1600		2000	
VOR	MDA(H)	600 (342)			
	VIS	1600		2000	
	w/o lights	2000		2400	
CIRCLING (HAT)*		A	B	C	D
	MDA(H)	1500 (1242)			
	VIS	1900	2800	3700	4600

* Not authorized East of airport.

AMENDMENT: AD elevation. Note removed. Editorial.

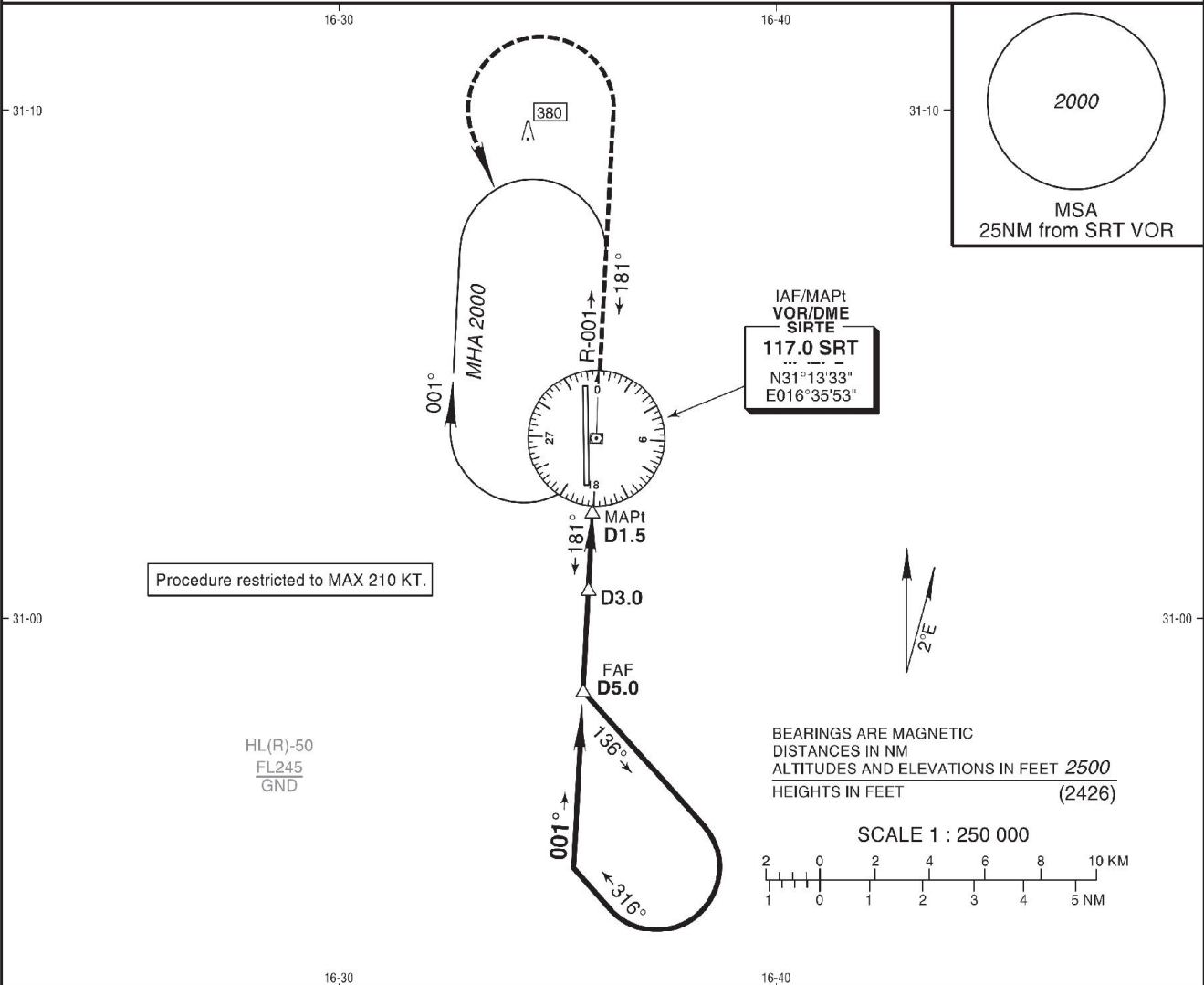
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INSTRUMENT
APPROACH
CHART - ICAO

AD ELEV 270 FT
HEIGHTS RELATED TO
THR RWY 36 ELEV 270 FT

APP 128.600
TWR 128.600
GND 121.900

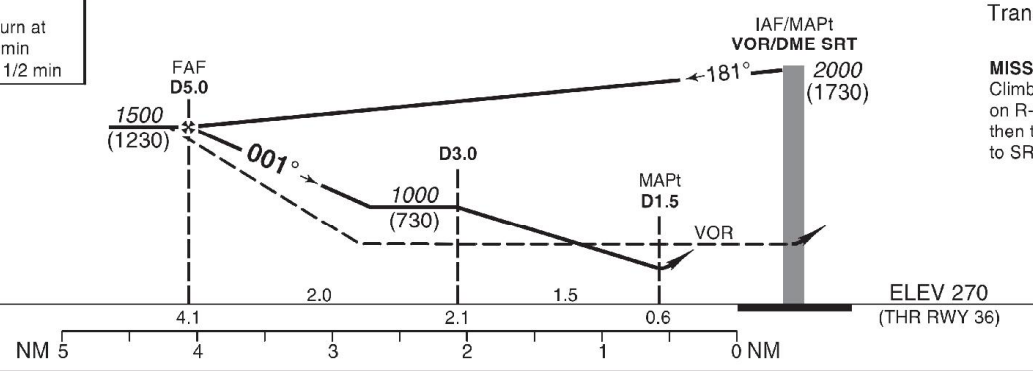
SIRTE, LIBYA
Ghardabiya Intl
VOR DME RWY 36



VOR:
Start turn at
A/B 2 min
C/D 1 1/2 min

Trans Altitude 5000
Trans Level FL70

MISSED APPROACH:
Climb STRAIGHT AHEAD
on R-001 SRT to 2000,
then turn LEFT direct
to SRT VOR and hold.



STRAIGHT-IN APPROACH		A	B	C	D
VOR DME	MDA(H)	550 (280)			
	VIS	1200		1600	
	w/o lights	1600		2000	
VOR	MDA(H)	600 (330)			
	VIS	1600		2000	
	w/o lights	2000		2400	
CIRCLING (HAT)*		A	B	C	D
	MDA(H)	1500 (1230)			
	VIS	1900	2800	3700	4600

* Not authorized East of airport.

AMENDMENT: AD elevation. Note removed. Editorial.

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