AD 2. AERODROMES

VRMU AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VRMU – DHAALU AIRPORT

VRMU AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	023958N 0725311E Runway Midpoint
2	*Direction and distance from (city)*	061 Degrees 1.1KM from runway midpoint to city center
3	*Elevation, Reference temperature and mean low temperature*	2M 32.3 Degrees Celsius
4	*Geoid undulation at AD ELEV PSN*	-96M
5	*Magnetic (MAG) variation (VAR)/Annual change*	3.25 °W (2017) / NIL
6	*Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and website address*	Dhaalu Airport Holdings Private Limited H. Thuniya 8th Floor, Boduthakurufaanu Magu Male' Republic of Maldives +960 6760606, +960 798 0323 hussain.nasih@dhaalu-airport.com www.dhaalu-airport.com
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	NIL

VRMU AD 2.3 OPERATIONAL HOURS

1	*Aerodrome operator*	Saturday to Thursday, 0800HRS-1600HRS
2	*Customs and immigration*	On request
3	*Health and sanitation*	On request
4	*Aeronautical information service (AIS) briefing office*	NIL
5	*ATS Reporting office (ARO)*	NIL
6	*MET Briefing Office*	NIL
7	*ATS*	HO
8	*Fuelling*	NIL
9	*Handling*	HO
10	*Security*	H24
11	*De-icing*	Not Applicable
12	*Remarks*	NIL

VRMU AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel/oil types*	NIL
3	*Fuelling facilities/capacity*	NIL
4	*De-icing facilities*	Not Applicable
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

VRMU AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In Kudahuvadhoo Island
2	*Restaurants*	In Kudahuvadhoo Island
3	*Transportation*	Bus transfer available at Dhaalu Airport for Tourists travelling to/from nearby resorts. And to locals on a chargeable basis.
4	*Medical facilities*	Dhaalu Atoll Hospital in Kudahuvadhoo Island. First Aid Facilities available at Dhaalu Airport.
5	*Bank and Post Office*	BML Kudahuvadhoo Branch in Kudahuvadhoo Island
6	*Tourist Office*	NIL
7	*Remarks*	NIL

VRMU AD 2.6 RESCUE AND FIRE-FIGHTING SERVICES

1	*AD category for fire-fighting*	CAT 5
2	*Rescue equipment*	Adequately provided as recommended by ICAO
3	*Capability for removal of disabled aircraft*	C1174 – Tractor (5T) (Massey Ferguson) / Remove light Aircraft only (Dash-8 series 100/200/300/400, ATR72 series 100/200/500/600, Dash-6 Twin Otter, Beechcraft 1900D)
4	*Remarks*	NIL

VRMU AD 2.7 SEASONAL AVAILABILTY – CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	Aerodrome available throughout the year

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

1	*Apron designation, surface and strength*	Asphalt/Concrete, PCN 37/F/B/X/T
2	*Taxiway designation, width, surface and strength*	TWY A and TWY B Width :15M, Asphalt/Concrete, PCN 37/F/B/X/T
3	*Altimeter checkpoint location and elevation*	Apron center 024000N 0725335, 1.7M
4	*VHF omnidirectional radio range (VOR) checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

VRMU 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*	Not Applicable
2	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ and centerline markings. Edge lights, THR and End lights. TWY: Center line, Holding position markings on both taxiways. Edge lights on all taxiways
3	*Stop bars and runway guard lights*	NIL
4	*Other runway protection measures*	NIL
5	*Remarks*	NIL

VRMU AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/Type, colour, lighting (LGT)*	*Remarks*
a	b	c	d	e	f
Antenna	Dhiraagu Tower	024026.37N 0725332.30E	46M	Obstruction Lights-Red	
Antenna	Ooredoo Tower	024012.29N 0725340.47E	56M	Obstruction Lights-Red	
Antenna	TVM Tower	024004.66N 0725343.45E	39M	Obstruction Lights-Red	
Antenna	Lightening Arrester	024002.96N 0725330.72E	22M	Obstruction Lights-Red	
Building	Control Tower	024003.24N 0725328.14E	12M	Obstruction Lights-Red	
Building	Fire Station	0240 02.58N 0725328.65E	09M	NIL	
Antenna	Windsock	024003.41N 0725343.60E	06M	Obstruction Lights-Red	

Mast	Apron Mast (East 1)	024001.39N 0725337.94E	11M	Obstruction Lights-Red	
Mast	Apron Mast (East 2)	024001.63N 0725335.75E	11M	Obstruction Lights-Red	
Mast	Apron Mast (Mid)	024001.90N 0725333.92E	11M	Obstruction Lights-Red	
Mast	Apron Mast (West)	024001.92N 0725332.16E	11M	Obstruction Lights-Red	
Light Post	Security Fence Light Post (closest to North of RWY towards west)	024002.60N 0725328.65E	06M	NIL	
Building	Terminal Building (Highest elevated SE corner)	024001.83N 0725334.90E	7M	NIL	
Building	Aircraft Hanger (highest point)	024000.97N 0725341.25E	11M	NIL	
Antenna	Met Antenna	024001.99N 0725324.17E	10M	Obstruction Lights-Red	

VRMU AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office outside hours*	NIL
3	*Office responsible for terminal aerodrome forecast (TAF) preparation* *Periods of validity and interval of issuance*	NIL
4	*Trend forecast* *Interval of issuance*	NIL
5	*Briefing/consultation provided*	Personal consultation with Maldives Meteorological Service Centre in Velana International Airport
6	*Flight documentation* *Language(s) used*	English
7	*Charts and other information available for briefing or consultation*	Yes
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	Yes, Dhaalu Tower/Dhaalu Information, MATCC
10	*Additional information*	NIL

VRMU AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification number (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
10	095 GEO 098 MAG	1800 x 30	PCN 37/F/B/X/T Asphalt / Concrete	024000.69N 0725240.71E	THR 1.7 M / 5.5 FT
28	275 GEO 278 MAG	1860 x 30	PCN 37/F/B/X/T Asphalt / Concrete	023955.54N 0725338.74E	THR 1.7 M / 5.5 FT
Designations RWY NR	*Slope of RWY-SWY*	*SWY dimensions (M)*	*Clearway (CWY) dimensions (M)*	*Strip dimensions (M)*	*Dimensions of runway end safety area*
1	7	8	9	10	11
10	0%	-	300x150	1920x150	90 x 60
28	0%	-	300x150	1920x150	90 x 60
Designations RWY NR	*Location and description of arresting system*	*OFZ*	*Remarks*		
1	12	13	14		
10	NIL	NIL	NIL		
28	NIL	NIL	NIL		

VRMU AD 2.13 DECLARED DISTANCES

RWY designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
10	1800	2100	1800	1800	NIL
28	1860	2160	1860	1800	NIL

VRMU 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 Centre Line LGT Length, spacing, colour, INTST*	*RWY edge LGT LEN, spacing colour INTST*	*RWY End LGT and Wing bar colour*	*SWY LGT LEN colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
10	NIL	Green No	APAPI 3º/50ft	NIL	NIL	1860 60M White	Red No	NIL	NIL
28	NIL	Green Yes	APAPI 3º/50ft	NIL	NIL	1860 60M White	Red No	NIL	NIL

VRMU AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	On top of control tower 024003.1528N 0725328.0941E, White & Green, HN/HO
2	*LDI location and LGT* *Anemometer location and LGT*	NIL Anemometer on top of control tower
3	*TWY edge and center line LGT*	TWY edge lights: 40 Blue Lights/ TWY A & B
4	*Secondary power supply/switch-over time*	All RWY lights and APAPI are solar powered
5	*Remarks*	NIL

VRMU AD 2.16 HELICOPTER LANDING AREA

NIL

VRMU AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	Kudahuvadhoo FIS Area A circle, radius 10NM centered at 023958.03N 0725310.69E (ARP)
2	*Vertical limits*	SFC to 3500ft MSL
3	*Airspace classification*	G
4	*ATS unit call sign* *Language(s)*	Dhaalu Information English
5	*Transition altitude*	11 000FT
6	*Hours of applicability*	HO
7	*Remarks*	NIL

VRMU AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*SATVOICE number(s)*	*Logon address*	*Hours of operation*	*Remarks*
1	2	3	4	5	6	7
TWR	Dhaalu Aerodrome Information/ Dhaalu Information	118.55 MHz	NIL	NIL	HO	Ground frequency 121.75 will be used as the BACKUP frequency for 118.55

VRMU AD 2.19 RADIO NAVIGATION AND LANDING AIDS

NIL

VRMU AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VRMU AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VRMU AD 2.22 FLIGHT PROCEDURES

Arrivals

- Aircraft inbound to land at VRMU should contact AFIS on the designated frequency at least 15 NM prior to landing.
- As soon as the aircraft has established communication with the Tower, the following elements of information will be transmitted to the aircraft:

a) Runway-in-use;
b) Surface wind direction and speed, including significant variations;
c) Visibility;
d) Present weather;
e) QNH*; and
f) Any available information on significant meteorological phenomena in the approach area.

*(Note: *If QNH is not available, Tower will not issue altimeter setting information.)*

- Descend to land at Dhaalu Airport
- During daylight hours:

a) Subject to clearance from Male' ATC, descend to 7000 feet.
b) Descent below 7000 feet shall be in VMC on pilot's discretion.

(*Note: cancel IFR and change to VFR before leaving 7000 feet.)*

c) Pilots shall monitor and transmit position information on advisory frequency (**128.9 MHz**) as specified in Maldives AIP ENR 1.2, paragraph 12, Traffic Information Broadcast by (VFR) Aircraft, while operating VFR.
d) On VFR, aircraft may descend to 1500 feet, join standard left-hand pattern and proceed to land.

- During night hours:

a) Subject to clearance from Male' ATC, descend to 1500 feet.
b) Once aerodrome is in sight, standard left-hand pattern should be followed and execute visual approach to land.

Departures

- Pilots shall contact Dhaalu Tower on the designated frequency for ATC route clearance.

  (Note: The officer at Tower will coordinate with Male' for ATC route clearance.)

- As soon as the aircraft has established communication with the Tower, the following elements of information will be transmitted to the aircraft:

a) Runway-in-use;
b) Surface wind direction and speed, including significant variations;
c) QNH*;
d) Temperature and dew point; and
e) Any available information on significant meteorological phenomena in the takeoff area.

  *(Note: *If QNH is not available, Tower will not issue altimeter setting information).*

- During day light hours, aircraft shall be on VFR from departure until passing 6000 feet. Pilots shall monitor and transmit position information on advisory frequency as specified in Maldives AIP ENR1.2, paragraph12, Traffic Information Broadcast by (VFR) Aircraft, while on VFR.

VRMU AD 2.23 ADDITIONAL INFORMATION

NIL

VRMU AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	VRMU AD 2-9
Instrument Approach Chart RWY 10	VRMU AD 2-11
Instrument Approach Chart 28	VRMU AD 2-13

VRMU AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

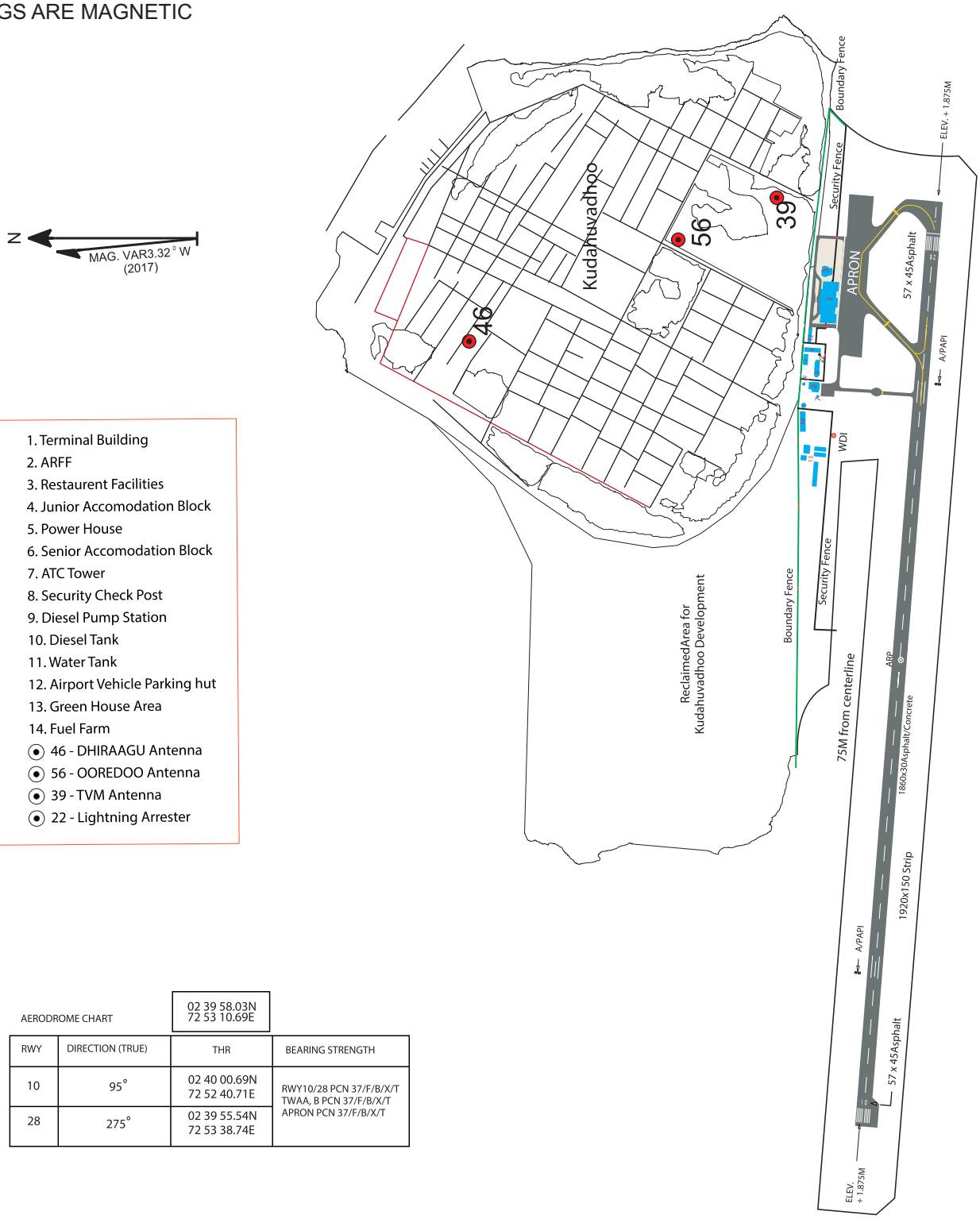
Not applicable

AERODROME CHART

TWR 118.55

KUDAHUVADHOO/ DHAALU AIRPORT

ELEVATION IN METERS
BEARINGS ARE MAGNETIC



1. Terminal Building
2. ARFF
3. Restaurent Facilities
4. Junior Accomodation Block
5. Power House
6. Senior Accomodation Block
7. ATC Tower
8. Security Check Post
9. Diesel Pump Station
10. Diesel Tank
11. Water Tank
12. Airport Vehicle Parking hut
13. Green House Area
14. Fuel Farm

- 46 - DHIRAAGU Antenna
- 56 - OOREDOO Antenna
- 39 - TVM Antenna
- 22 - Lightning Arrester

AERODROME CHART

02 39 58.03N
72 53 10.69E

RWY	DIRECTION (TRUE)	THR	BEARING STRENGTH
10	95°	02 40 00.69N 72 52 40.71E	RWY10/28 PCN 37/F/B/X/T TWAA, B PCN 37/F/B/X/T APRON PCN 37/F/B/X/T
28	275°	02 39 55.54N 72 53 38.74E	

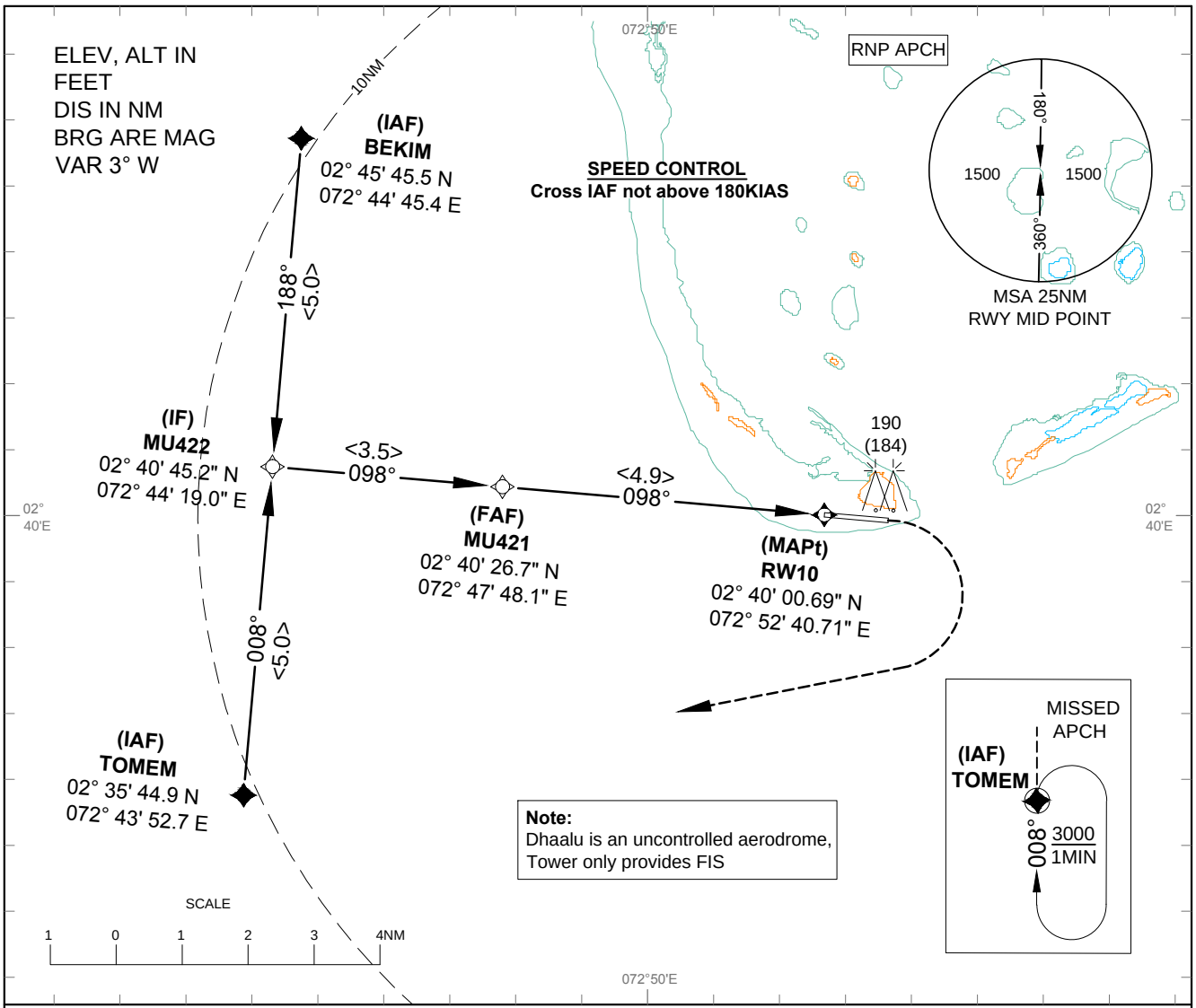
100M 0 100M 200M 400M
250FT

INSTRUMENT APPROACH CHART - ICAO

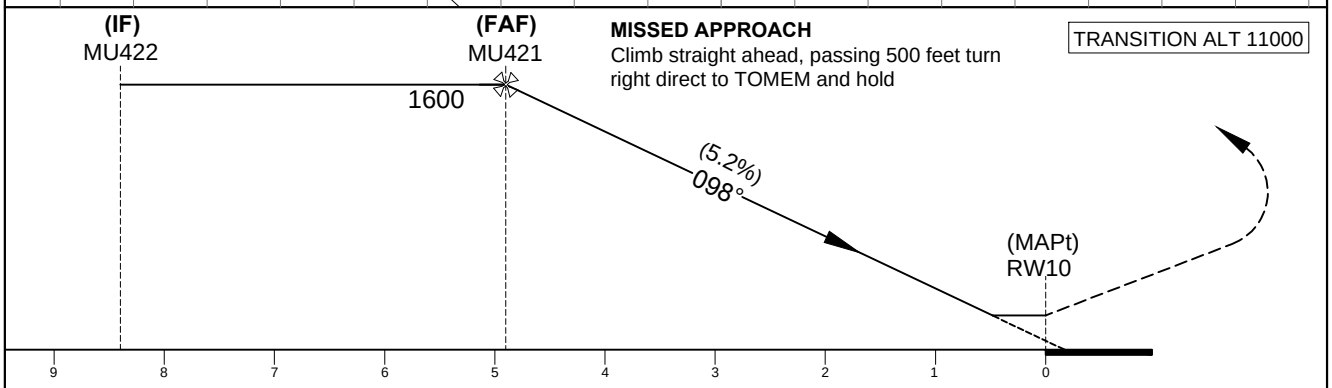
AERODROME ELEV 6 FT
HEIGHT RELATED TO
THR RWY 10 - ELEV 6 FT

TWR 118.55

DHAALU (VRMU) RNP RWY10



Note:
Dhaalu is an uncontrolled aerodrome, Tower only provides FIS



MISSED APPROACH
Climb straight ahead, passing 500 feet turn right direct to TOMEM and hold

TRANSITION ALT 11000

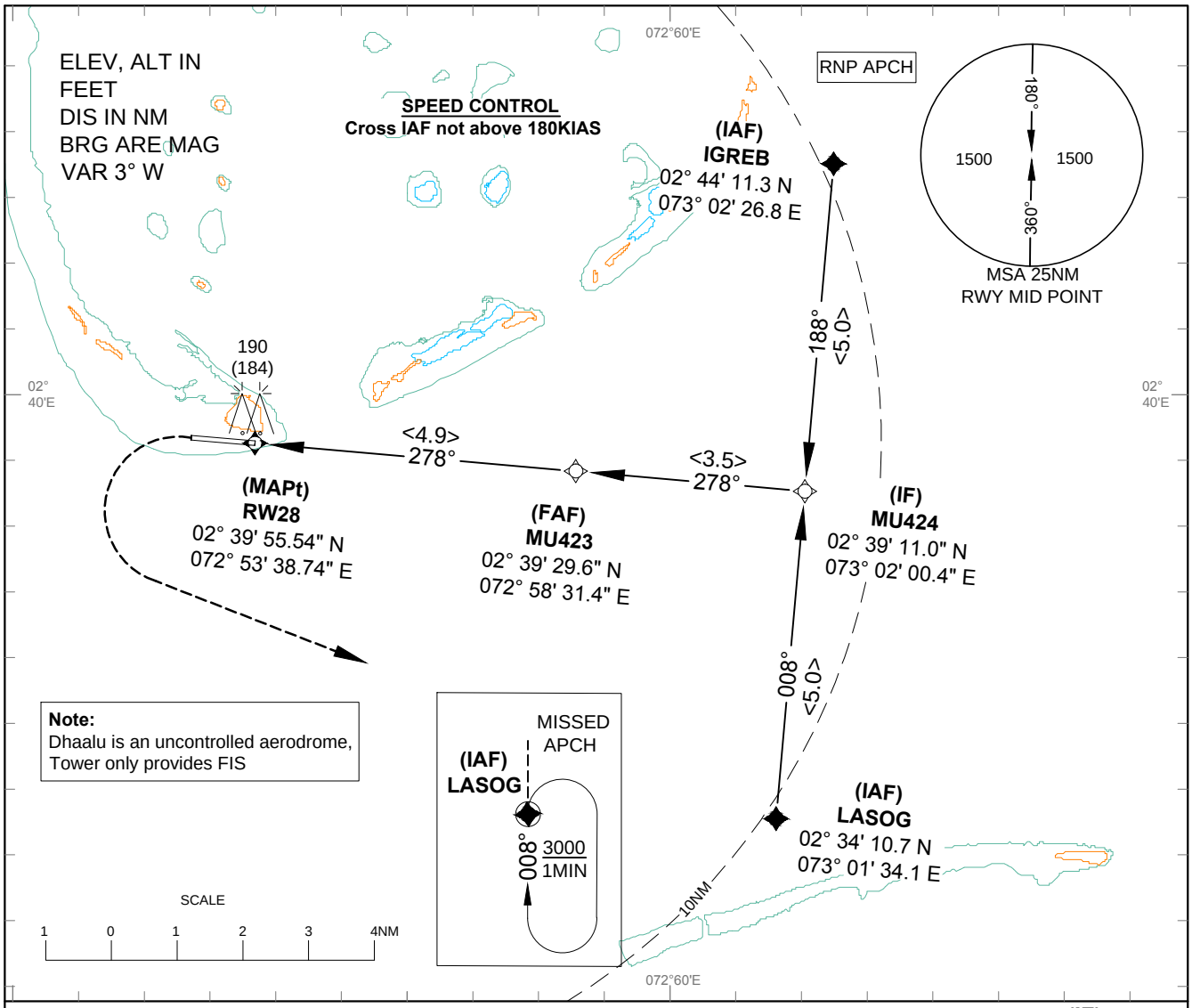
AIRCRAFT CATEGORY	A	B	C	
LNAV MDA (MDH)	440 (434)			
DISTANCE TO THRESHOLD	4	3	2	1
ALTITUDE (HEIGHT)	1320 (1314)	1000 (994)	690 (684)	MDA

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 6 FT
HEIGHT RELATED TO
THR RWY 28 - ELEV 6 FT

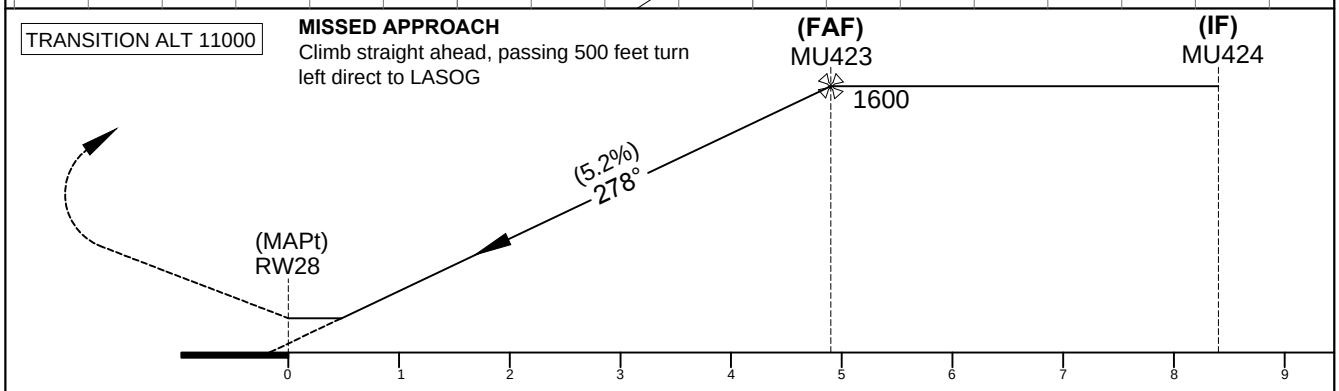
TWR 118.55

DHAALU (VRMU) RNP RWY28



TRANSITION ALT 11000

MISSED APPROACH
Climb straight ahead, passing 500 feet turn left direct to LASOG



AIRCRAFT CATEGORY	A	B	C	
LNAV MDA (MDH)	440 (434)			
DISTANCE TO THRESHOLD	1	2	3	4
ALTITUDE (HEIGHT)	MDA	690 (684)	1000 (994)	1320 (1314)