

## AD 2 AERODROMES

## VRDA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## VRDA - MAAFARU INTERNATIONAL AIRPORT

## VRDA 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	054907N 0732811E Centre of runway
2	Direction and distance from City	200M from airport main entrance to the city
3	Elevation / Reference temperature	1.7M (5.5FT) / 31.4°C
4	MAG VAR/Annual change	3° W (2018) / Nil
5	AD Operator Address  Telephone  E- mail Address Website:	Island Aviation Services Limited Corporate Head Office Ground Floor, Dar Al-Eiman Building Majeedhee Magu Male', 20345 Republic of Maldives  Tel: (960) 333 5566 Telefax: (960) 331 4806 Email: <a href="mailto:info@iasl.aero">info@iasl.aero</a> Website: <a href="http://www.maldivian.aero">www.maldivian.aero</a>
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	Nil

## VRDA 2.3 OPERATIONAL HOURS

1	AD Administration	H24
2	Customs and Immigration	HO
3	Health and sanitation	Nil
4	AIS Briefing office	Nil
5	ATS Reporting Office (ARO)	Nil
6	Met Briefing Office	Nil
7	ATS	H24
8	Fuelling	Nil
9	Handling	H24
10	Security	H24
11	De-Icing	Not applicable
12	Remarks	ATS - Flight Information Service available

## VRDA 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	Yes
2	Fuel/oil types	Nil
3	Fuelling facilities/capacity	Nil
4	De-icing facilities	Not applicable
5	Hanger space available for visiting aircraft	Yes
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

### VRDA 2.5 PASSENGER FACILITIES

1	<i>Hotels</i>	In Maafaru Island
2	<i>Restaurants</i>	In Maafaru Island
3	<i>Transportation</i>	N/A
4	<i>Medical facilities</i>	Maafaru health center 400m away from the airport and limited first aid facility available at Maafaru Int'l Airport
5	<i>Bank/post</i>	Nil
6	<i>Tourist Office</i>	Nil
7	<i>Remarks</i>	Nil

### VRDA 2.6 RESCUE AND FIRE- FIGHTING SERVICES

1	<i>AD category for fire fighting</i>	CAT 7
2	<i>Rescue equipment</i>	Adequately provided as recommended by ICAO
3	<i>Capabilities for removal of disabled aircraft</i>	Equipped to remove light to medium aircraft
4	<i>Remarks</i>	Nil

### VRDA 2.7 SEASONAL AVAILABILITY – CLEARING

1	<i>Types of clearing equipment</i>	Nil
2	<i>Clearance priorities</i>	Nil
3	<i>Remarks</i>	Aerodrome available throughout the year

### VRDA 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	<i>Apron surface and strength</i>	Surface: Concrete Strength: PCN 48/R/B/W/T
2	<i>Taxiway width, surface and strength</i>	Width: 18M Surface: Asphalt - Concrete Strength: PCN 42/F/B/W/T
3	<i>Altimeter Checkpoint Location and Elevation</i>	Location: Center of Apron Elevation: 1.7M (5.5FT)
4	<i>VOR/INS checkpoint</i>	VOR: Nil INS: Nil
5	<i>Remarks</i>	Nil

### VRDA 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	<i>Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands</i>	N/A
2	<i>RWY/TWY markings and LGT</i>	RWY: Designations, THR, TDZ, Aiming point and centerline markings Edge lights, THR and End lights TWY: Centerline, holding positions marking and TWY edge lights
3	<i>Stop bars</i>	Nil
4	<i>Remarks</i>	Nil

**VRDA 2.10 AERODROME OBSTACLES**

<i>In approach/TKOF areas</i>			<i>In circling area and at AD</i>		<i>Remarks</i>
1			2		3
<i>RWY/Area affected</i>	<i>Obstacle type elevation markings/LGT</i>	<i>Coordinates</i>	<i>Obstacle type elevation markings/LGT</i>	<i>Coordinates</i>	
<i>a</i>	<i>b</i>	<i>c</i>	<i>a</i>	<i>b</i>	<i>c</i>
			Windsock 4M	054923.5N 0732830.6E	
			Apron Mast 1 14M	054930.4N 0732834.1E	
			Apron Mast 2 14M	054931.0N 0732835.0E	
			Apron Mast 3 14M	054931.8N 0732836.2E	
			Apron Mast 4 14M	054932.5N 0732837.2E	
			Lightening Arrester 15M	054927.2N 0732830.0E	
			Control Tower 13M	054926.8N 0732829.7E	
			Hangar 16M	054929.9N 0732833.4E	
			Ooredoo Tower (Island) 30M	054941.8N 0732847.5E	
			Dhiraagu Tower (Island) 45M	054953.8N 0732850.2E	

**VRDA 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	<i>Associated MET Office</i>	Nil
2	<i>Hours of Service MET Office outside hours</i>	Nil
3	<i>Office responsible for TAF preparation Periods of validity</i>	Nil
4	<i>Type of landing forecast Interval of issuance</i>	Nil
5	<i>Briefing / consultation provided</i>	Consultation with Maldives Meteorological Services Centre at VIA
6	<i>Flight documentation Language(s) used</i>	English
7	<i>Charts and other INFO AVBL</i>	Yes
8	<i>Supplementary EQPT AVBL for INFO for briefing or consultation</i>	Nil
9	<i>ATS Units Provided with information</i>	Yes. Wind & QNH
10	<i>Additional Information</i>	Nil

**VRDA 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

<i>Designation RWY NR</i>	<i>True BRG</i>	<i>Dimensions of RWY (M)</i>	<i>Strength (PCN) And surface of RWY and SWY</i>	<i>THR coordinates</i>	<i>THR elevation and highest elevation of TDZ of precision APP RWY</i>
1	2	3	4	5	6
06	055.68°	2200 x 45	PCN 42/F/B/W/T Asphalt - Concrete	054846.72N 0732741.49E	THR 1.7M / 5.5FT
24	235.68°	2200 x 45		054927.01N 0732840.42E	THR 1.7M / 5.5FT

<i>Slope</i>	<i>SWY</i>	<i>CWY</i>	<i>Strip</i>	<i>RESA</i>	<i>Location and</i>	<i>OFZ</i>	<i>Remarks</i>
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of RWY-SWY	Dimensions (M)	Dimensions (M)	Dimensions (M)	Dimensions (M)	description of ARST system		
7	8	9	10	11	12	13	14
0%	-	300 x 150	2320 x 140	90 X 60	Nil	Nil	Nil
0%	-	300 x 150	2320 x 140	90 X 60	Nil	Nil	Nil

### VRDA 2.13 DECLARED DISTANCES

RWY	TORA(M)	TODA(M)	ASDA(M)	LDA(M)	Remarks
1	2	3	4	5	6
06	2200	2500	2200	2200	Nil
24	2200	2500	2200	2200	Nil

### VRDA 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APP LGT type LEN INTST	THR LGT color WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY center line LGT Length spacing color INTST	RWY edge LGT LEN spacing color INTST	RWY End LGT Color WBAR	SWY LGT LEN (M) color	Remark
1	2	3	4	5	6	7	8	9	10
06	-	Green	APAPI Left/3deg 50FT	Nil	Nil	2200M 60M White IH	Red	Nil	Nil
24	-	Green	APAPI Left/3deg 50FT	Nil	Nil	2200M 60M White IH At	Red	Nil	Nil

### VRDA 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location characteristics and hours of operation	ABN – on top of the tower Alternate W & G EV minute
2	LDI location and LGT Anemometer location and LGT	Nil
3	TWY edge and centre line lighting	TWY edge lights / TWY A & B
4	Secondary power supply /switch-overtime	Back up generator of 80KW / 10-15 seconds
5	Remarks	Nil

### VRDA 2.16 HELICOPTER LANDING AREA

Nil

### VRDA 2.17 ATS AIRSPACE

1	Designation and lateral limits	Maafaru AFIS Area A circle, radius of 10NM centered at 054906.86N 0732810.95E (ARP)
2	Vertical limits	SFC to 3500FT MSL
3	Airspace classification	G
4	ATS Unit Language(s)	Maafaru Tower English
5	Transition Altitude	11000FT
6	Remarks	Nil

**VRDA 2.18 ATS COMMUNICATION FACILITIES**

<i>Services Designation</i>	<i>Call sign</i>	<i>Channel (s)</i>	<i>Hours of operation</i>	<i>Remarks</i>
1	2	3	4	5
Maafaru AFIS	Maafaru Information	118.6 MHz	HO	Separate frequency available to communicate from tower to ground

**VRDA 2.19 RADIO NAVIGATION AND LANDING AIDS**

Nil

**VRDA 2.20 LOCAL TRAFFIC REGULATIONS**

Nil

**VRDA 2.21 NOISE ABATEMENT PROCEDURE**

Nil

**VRDA 2.22 FLIGHT PROCEDURES**

**Aerodrome Flight Information Services (AFIS) at Maafaru**

**1. General**

ATS provided at Maafaru include only Flight Information Service and Alerting Service. AFIS is available during operational hours and will provide information useful for the safe and efficient conduct of flights within Maafaru AFIS Area. The pilot in command is responsible to maintain proper separation in conformity with the rules of the air.

**2. Arrivals**

2.1 Aircraft inbound to land at Maafaru should contact the Maafaru AFIS (Maafaru Information) on 118.6 MHz at least 15 NM prior to landing.

2.2 As soon as the aircraft has established communication with Maafaru Information, 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.)*

2.3 Descend to land at Maafaru Airport

2.3.1 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) From 7000 feet until within Maafaru AFIS Area, pilot shall monitor and transmit position information on advisory frequency (128.8 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.
- e) On pilot's discretion, pilot may fly a published instrument approach procedure after informing the AFIS.

2.3.2 During night hours:

- a) Subject to clearance from Male' ATC, descend to the initial approach altitude and execute a published instrument approach procedure to land; or
- b) Subject to clearance from Male' ATC, descend to 1500 feet, and once aerodrome is in sight, execute visual approach to land.

**3. Departures**

Pilots shall contact Maafaru AFIS (Maafaru Information) on 118.6 MHz 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 Maafaru Information, 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, paragraph 12, Traffic Information Broadcast by (VFR) Aircraft, while on VFR.

**4. Seaplanes operating within Maafaru AFIS Area**

Pilot shall contact and maintain communication with Maafaru AFIS (Maafaru Information) on 118.6 MHz, and provide position information as required.

The pilot in command is responsible to maintain proper separation and shall lookout for aircraft landing and taking off at Maafaru airport.

If AFIS is closed, pilot shall monitor and transit position information on 118.6 MHz.

**VRDA 2.23 ADDITIONAL INFORMATION**

Nil

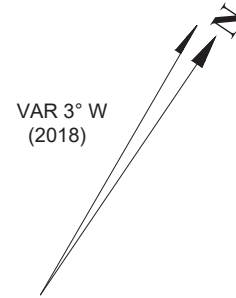
**VRDA 2.24 CHARTS RELATED TO MAAFARU INTERNATIONAL AERODROME**

Chart Title	Page
Aerodrome Chart	VRDA AD 2-7
Aerodrome Lighting	VRDA AD 2-9
Aerodrome Marking	VRDA AD 2-11
Instrument Approach Chart – ICAO, RNP RWY 06	VRDA AD 2-13
Instrument Approach Chart – ICAO, RNP RWY 24	VRDA AD 2-15

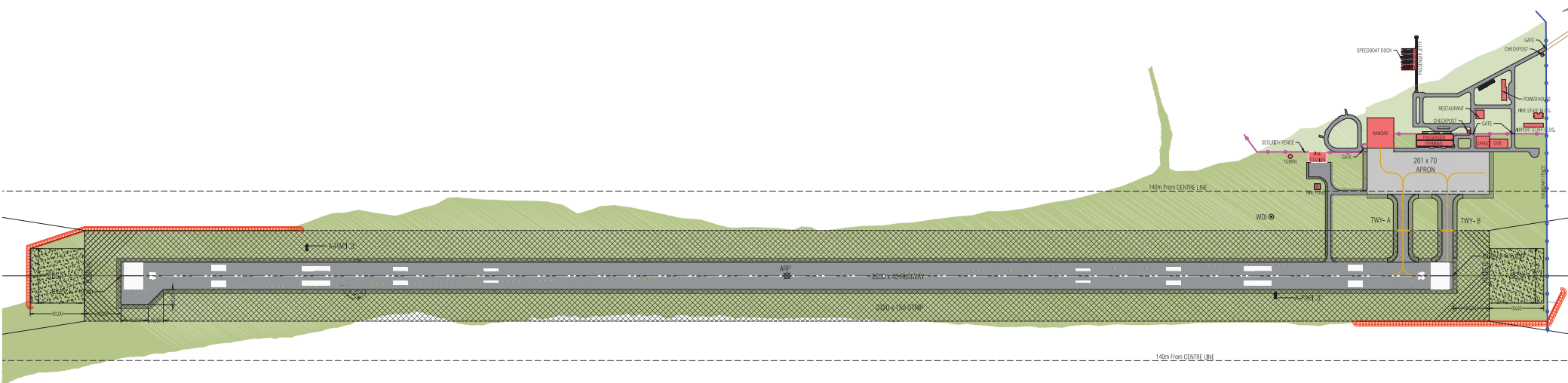
# AERODROME CHART

RWY	DIRECTION (TRUE)	THRESHOLD	BEARING STRENGTH
06	56°	05° 48' 46.72" N 73° 27' 41.49" E	RWY 06/24 PCN 42/F/B/W/T TWY A,B PCN 42/F/B/W/T
24	236°	05° 49' 27.01" N 73° 28' 40.42" E	APRON PCN 48/R/B/W/T

AERODROME 05° 49' 06.86" N  
REFERENCE POINT: 73° 28' 10.95" E

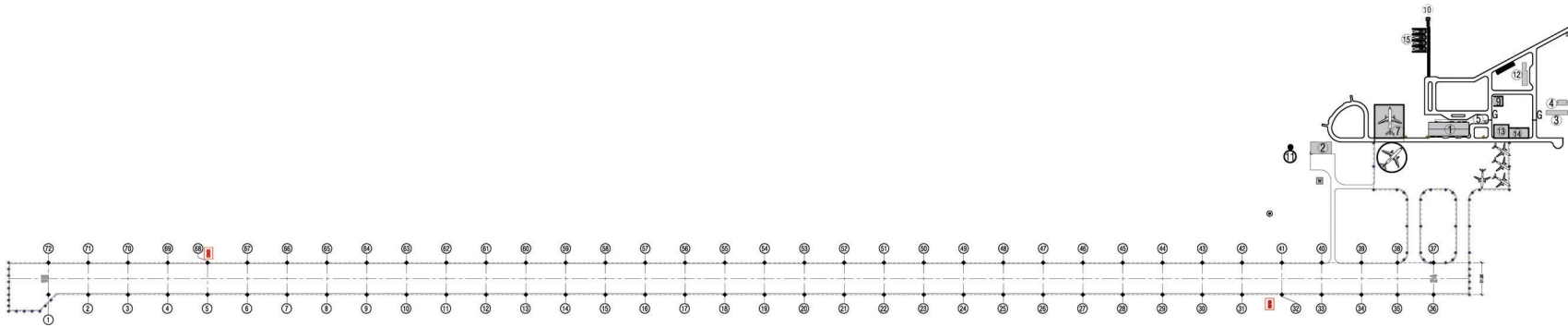


- AIRPORT AIRSIDE BOUNDARY
- AIRPORT LANDSIDE BOUNDARY



BUILDING LEGEND

- # NAME
- 1 PASSENGER TERMINAL
- 2 FIRE STATION
- 3 AIRPORT STAFF ACCOMMODATION
- 4 FIRE STAFF ACCOMMODATION
- 5 SECURITY CHECKPOST
- 7 HANGAR
- 9 PUBLIC RESTAURANT
- 10 PASSENGER JETTY
- 11 ATC
- 12 POWER HOUSE WITH RO PLANT ROOM
- 13 CARGO WAREHOUSE
- 14 GROUND HANDLING BASE
- 15 SPEED BOAT DOCKING PLATFORM
- G GATE
- W FIRE POND



NOTE:  
ALL LIGHTS ARE INSTALLED IN SHOULDER, 3M FROM PAVEMENT EDGE.  
RUNWAY EDGE LIGHTS IN 06 END, GRID 01-13 & GRID 65-72 IS ILLUMINATED IN YELLOW COLOR  
RUNWAY EDGE LIGHTS IN 24 END, GRID 27-36 & GRID 37-46 IS ILLUMINATED IN YELLOW COLOR

SYMBOL	DESCRIPTION	LOCATION	QTY
◆	EDGE LIGHTS	RUNWAY EDGE	73
●	EDGE LIGHTS	TAXIWAY, APRON & TURNING PAD EDGE	40
●	END LIGHTS	RUNWAY END	12
◆	INSET LIGHTS	RUNWAY (GRID-1)	01
+	FLOOD LIGHTS/ MAST	APRON LANDSIDE EDGE	04
■	APAPI	300M FROM RUNWAY PHYSICAL ENDS	02
○	WIND CONE / WCI	AS SHOWN	01

AIRFIELD LIGHTING LAYOUT

Scale 1:7000  
0 50m 100m 150m 200m 250m





- RUNWAY**  
 RUNWAY CENTERLINE MARKING: WHITE  
 TOUCHDOWN/TOUCHDOWN ZONE MARKING: WHITE  
 RUNWAY EDGE/SEPARATOR MARKING: WHITE  
 THRESHOLD MARKINGS: WHITE  
 TURNING PAD MARKING: YELLOW
- TAXIWAY**  
 TAXIWAY CENTERLINE MARKING: YELLOW  
 RUNWAY HOLDING POSITION MARKING: YELLOW
- APRON**  
 APRON CENTERLINE MARKING: YELLOW  
 APRON/ROAD EDGE LINES MARKING: RED LINE & WHITE LINE
- BUILDING LEGEND**
- | #  | NAME                           |
|----|--------------------------------|
| 1  | PASSENGER TERMINAL             |
| 2  | FIRE STATION                   |
| 3  | AIRPORT STAFF ACCOMMODATION    |
| 4  | FIRE STAFF ACCOMMODATION       |
| 5  | SECURITY CHECKPOST             |
| 7  | HANGAR                         |
| 9  | PUBLIC RESTAURANT              |
| 10 | PASSENGER JETTY                |
| 11 | AIC                            |
| 12 | POWER HOUSE WITH HD PLANT ROOM |
| 13 | CARGO WAREHOUSE                |
| 14 | GROUND HANDLING BASE           |
| 15 | SPEED BOAT DOCKING PLATFORM    |
| G  | GATE                           |
| W  | FIRE POND                      |

AIRFIELD MARKING LAYOUT

Scale 1:7000

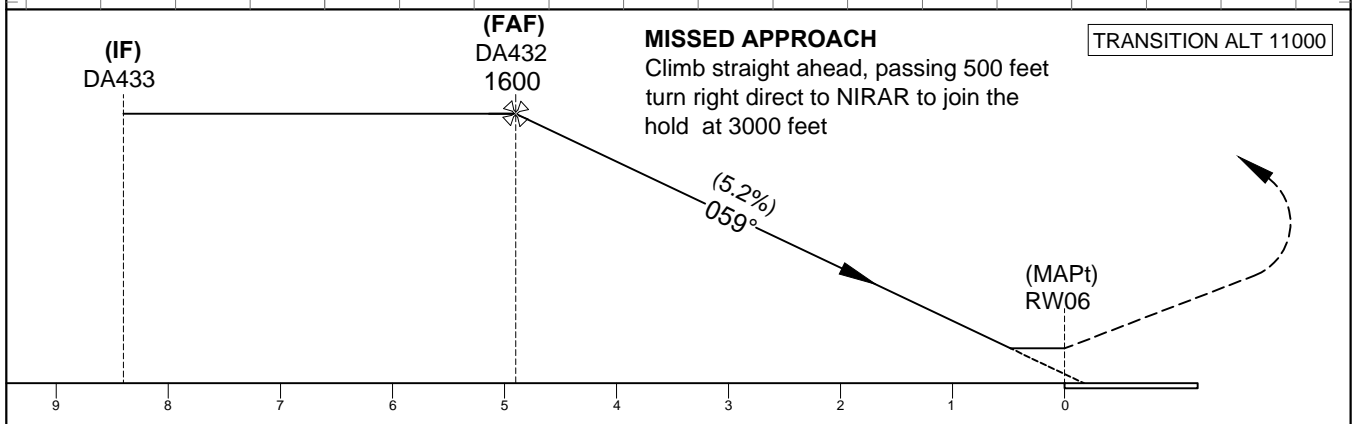
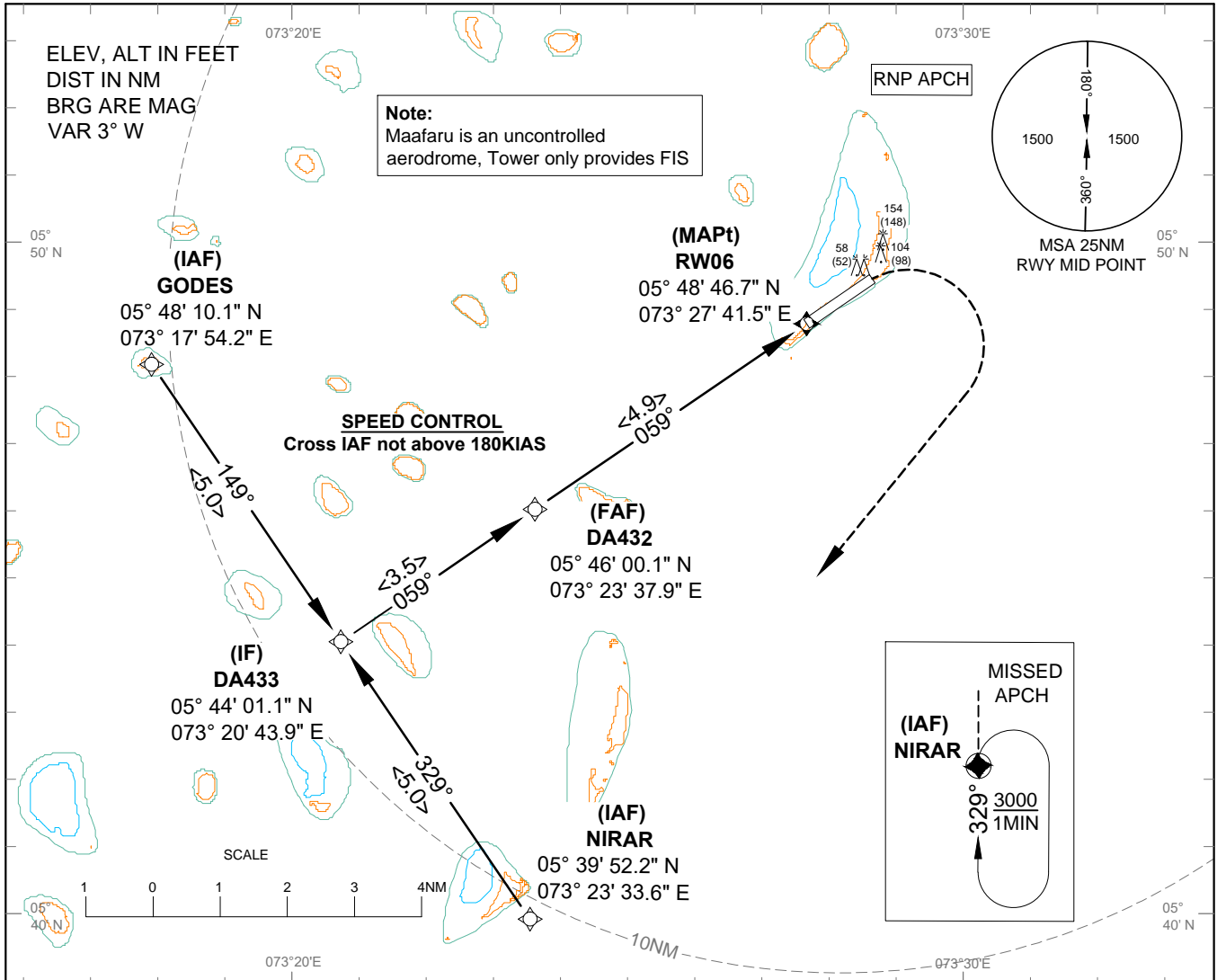


**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 6 FT  
HEIGHT RELATED TO  
THR RWY 06 - ELEV 6 FT

TWR 118.6

**MAAFARU / Intl (VRDA)**  
RNP RWY06



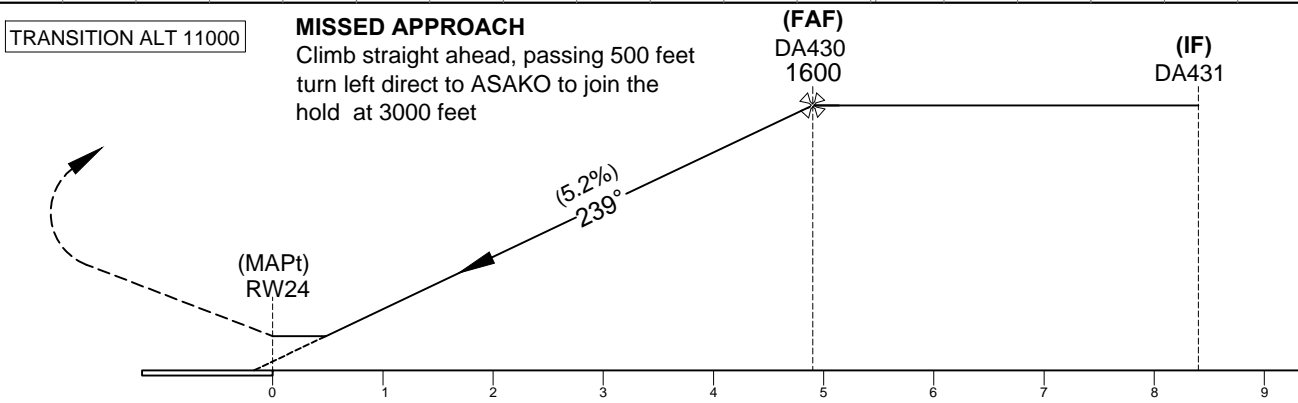
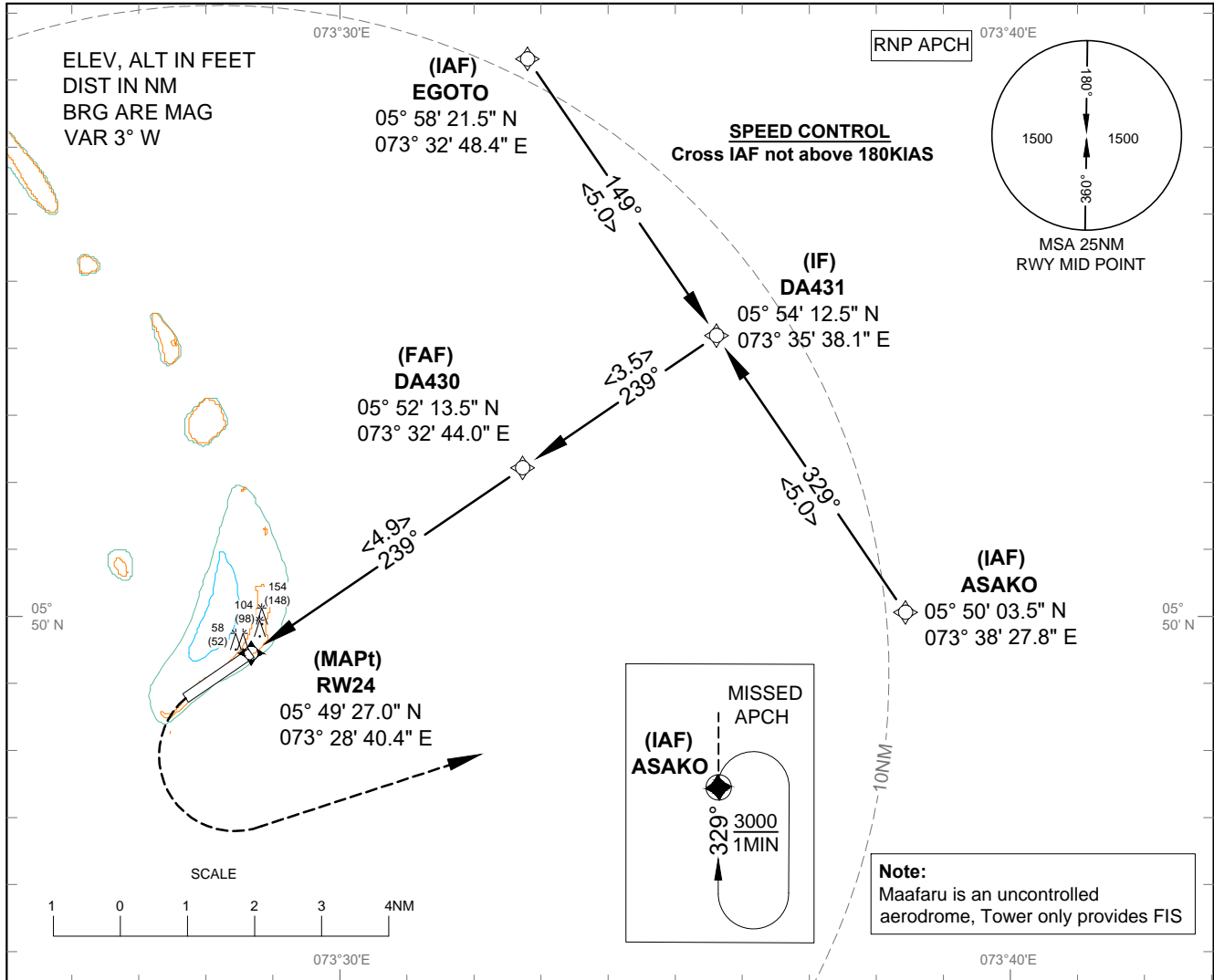
AIRCRAFT CATEGORY	A		B		C
LNAV MDA (MDH)	310 (304)				
DISTANCE TO THRESHOLD	4	3	2	1	
ALTITUDE (HEIGHT)	1320 (1314)	1000 (994)	690 (684)	MDA	

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 6 FT  
HEIGHT RELATED TO  
THR RWY 24 - ELEV 6 FT

TWR 118.6

**MAAFARU / Intl (VRDA)  
RNP RWY24**



AIRCRAFT CATEGORY	A		B		C
LNAV MDA (MDH)	400 (394)				
DISTANCE TO THRESHOLD	4	3	2	1	
ALTITUDE (HEIGHT)	1320 (1314)	1000 (994)	690 (684)	MDA	