AD 2. AERODROMES

VRGD AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VRGD – MADIVARU AIRPORT

VRGD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	052728N 0732213E Runway Mid-point
2	*Direction and distance from (city)*	186º, 1.7km from runway midpoint to Naifaru Island
3	*Elevation, Reference temperature and mean low temperature*	2M (6) /31° C
4	*Geoid undulation at AD ELEV PSN*	
5	*Magnetic (MAG) variation (VAR)/Annual change*	3° W (2022) / 0.03° E per year
6	*Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and website address*	Kuredu Holdings Pvt Ltd Corporate Head Office M.Champa Building, 4th floor Kandidhonmanik Goalhi Male', 20187 Republic of Maldives Tel: (+960) 332 6545 airportmanager@ctnt.com -
7	*Types of traffic permitted (IFR/VFR)*	VFR/IFR
8	*Remarks*	NIL

VRGD AD 2.3 OPERATIONAL HOURS

1	*Aerodrome operator*	HO
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
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*	AFIS available

VRGD AD 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	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

VRGD AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels at Naifaru Island
2	*Restaurants*	In departure Hall
3	*Transportation*	Walkable distance from terminal to jetty
4	*Medical facilities*	First Aid facilities at the Airport & Lhaviyani Atoll Hospital
5	*Bank and Post Office*	At Naifaru Island
6	*Tourist Office*	NIL
7	*Remarks*	NIL

VRGD 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*	Assistance from third parties that are involved in the Airport Emergency Plan
4	*Remarks*	NIL

VRGD AD 2.7 SEASONAL AVAILABILTY – CLEARING

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

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

1	*Apron designation, surface and strength*	Surface: Asphalt-Concrete Strength: PCN 37/F/B/X/T
2	*Taxiway designation, width, surface and strength*	TWY A & B Width: 15M Surface: Asphalt-Concrete Strength: PCN 37/F/B/X/T
3	*Altimeter checkpoint location and elevation*	Location: Runway mid-point, Elevation: 2 M
4	*VHF omnidirectional radio range (VOR) checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

VRGD 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 center line 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

VRGD 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
	Wind Sock	052737.7N 0732210.5E	6M		
	Apron Mast 1	052726.0N 0732207.9E	12M		
	Apron Mast 2	052728.3N 0732208.0E	12M		
	Control Tower	052730.4N 0732207.8E	16M		
	Dhiraagu Antenna	052723.9N 0732206.0E	24M		

VRGD 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 at VIA
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*	NIL
9	*ATS units provided with information*	Yes, Wind & QNH
10	*Additional information*	NIL

VRGD 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
18	181.40º GEO	1200 x 30	PCN 37/F/B/X/T Asphalt-Concrete	052747.37N 0732213.53E	THR 1.8M/ 5.91 FT
36	001.40º GEO	1200 x 30	PCN 37/F/B/X/T Asphalt-Concrete	052708.32N 0732212.58E	THR 1.8M/ 5.91 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
18	0%	-	300 x 150	1320 x 140	90 x 60
36	0%	-	300 x 150	1320 x 140	90 x 60

Designations RWY NR	*Location and description of arresting system*	*OFZ*	*Remarks*
1	12	13	14
18	NIL	NIL	NIL
36	NIL	NIL	NIL

VRGD AD 2.13 DECLARED DISTANCES

RWY designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
18	1260	1560	1260	1200	NIL
36	1260	1560	1260	1200	NIL

VRGD 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 (M) colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
18	NIL	Green Yes	APAPI Left/3º 40FT	NIL	NIL	1860 60M White	Red No	NIL	NIL
36	NIL	Green Yes	APAPI Left/3º 40FT	NIL	NIL	1800 60M White	Red No	NIL	NIL

VRGD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	ABN - on top of control tower. Alternate W & G EV minute 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 with retro-reflective markers / TWY A & B
4	*Secondary power supply/switch-over time*	Backup generator of 100KW /10-15 seconds
5	*Remarks*	NIL

VRGD AD 2.16 HELICOPTER LANDING AREA

NIL

VRGD AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	Madivaru FIS A circle, radius of 10NM centered at 052728N 0732213E (ARP)
2	*Vertical limits*	SFC TO 3500FT AMSL
3	*Airspace classification*	G
4	*ATS unit call sign* *Language(s)*	Madivaru Information English
5	*Transition altitude*	11,000FT AMSL
6	*Hours of applicability*	HO
7	*Remarks*	NIL

VRGD 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	Madivaru Tower / Madivaru Information	118.950 MHZ	NIL	NIL	HO	Ground frequency 121.650 Will be used as the BACKUP frequency for 118.950

VRGD AD 2.19 RADIO NAVIGATION AND LANDING AIDS

NIL

VRGD AD 2.20 LOCAL AERODROME REGULATIONS

There is no traffic circuit to the east of Madivaru Airport.

VRGD AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VRGD AD 2.22 FLIGHT PROCEDURES

Arrivals:

Aircraft inbound to land at VRGD 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 Madivaru 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 (**128.8 MHz**) from 7000ft, as specified in Maldives AIP ENR 1.2, paragraph 12, Traffic Information Broadcast by (VFR) Aircraft, while operating VFR.
d) Left-hand pattern should be followed for RWY 36 and right-hand pattern should be used for RWY18. Minimum altitude to join the traffic circuit shall be 1500 feet.

During night hours

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

Departures

Pilots shall contact Madivaru 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, pilot shall monitor and transmit position information on advisory frequency 128.8 MHz upon getting airborne until passing 6000 feet, as specified in Maldives AIP ENR1.2, 12, Traffic Information Broadcast by (VFR) aircraft.

Coordination between Madivaru AFIS Unit and Maldives Traffic Control Centre

Madivaru AFIS unit will inform MATCC regarding departures from Madivaru and MATCC will inform Madivaru AFIS unit regarding flights inbound to Madivaru.

Information provided to aircraft by Madivaru AFIS Unit

a) Meteorological information for aircraft about to take off or to land, including SIGMET information. E.g. the current surface winds, direction and speed, QNH, air temperature, visibility.
b) The most suitable runway for use.
c) Information that is essential to the safe operation. E.g. Construction or maintenance work.
d) Rough or broken surfaces on a runway or a taxiway, whether marked or not.
e) Water on a runway.
f) Other temporary hazards, including parked aircraft and birds on the ground or in the air.
g) Failure or irregular operation of part or all of the aerodrome lighting system.
h) Information that is related with aerodrome equipment.
i) Any other information or messages contributing to safety.

Alerting service

Alerting service is provided by Madivaru AFIS Unit in accordance with the provisions of MCAR 11, Chapter 5.

Responsibilities of, and procedures for pilots operating to and from Madivaru Airport

There is no Flight Information Zone for Madivaru Airport. All aircraft operating to and are in the vicinity of Madivaru Airport shall monitor and broadcast their position and intentions 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.

Madivaru AFIS unit will only provide information regarding runway and weather.

VRGD AD 2.23 ADDITIONAL INFORMATION

NIL

VRGD AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome chart – ICAO	VRGD AD 2-9
Aerodrome Chart – ICAO – Marking & Lighting Aids on Maneuvering Area	VRGD AD 2-9.2
FIS and VFR Area Chart	VRGD AD 2-11

VRGD AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

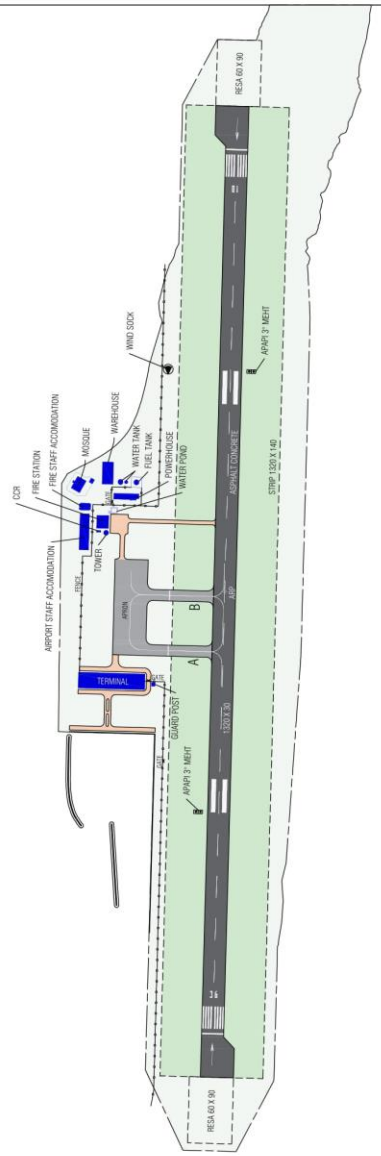
Not applicable.

ARP 05° 27' 28" N 73° 22' 13" E | TWR 118.950 | AD ELEV 6 ft / 2 m

AERODROME CHART - ICAO

MADIVARU ISLAND / MADIVARU AIRPORT

RWY	DIRECTION	THR	BEARING STRENGTH
18	184°	05° 27' 47.37" N 73° 22' 13.53" E	PCN 37/F/B/X/T
36	004°	05° 27' 08.32" N 73° 22' 12.58" E	
TAXIWAY & APRON			PCN 37/F/B/X/T



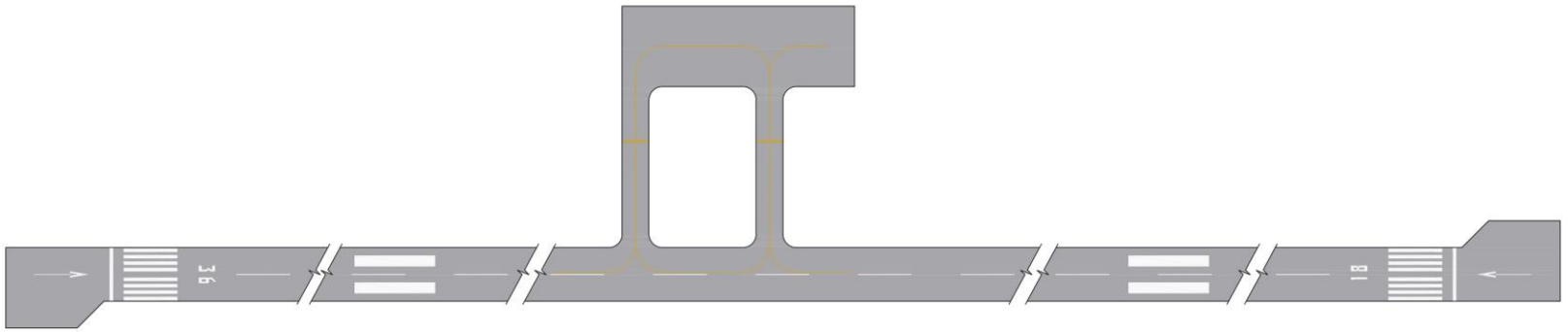
VAR 3°W 2022

ANNUAL RATE OF CHANGE 0.03° E

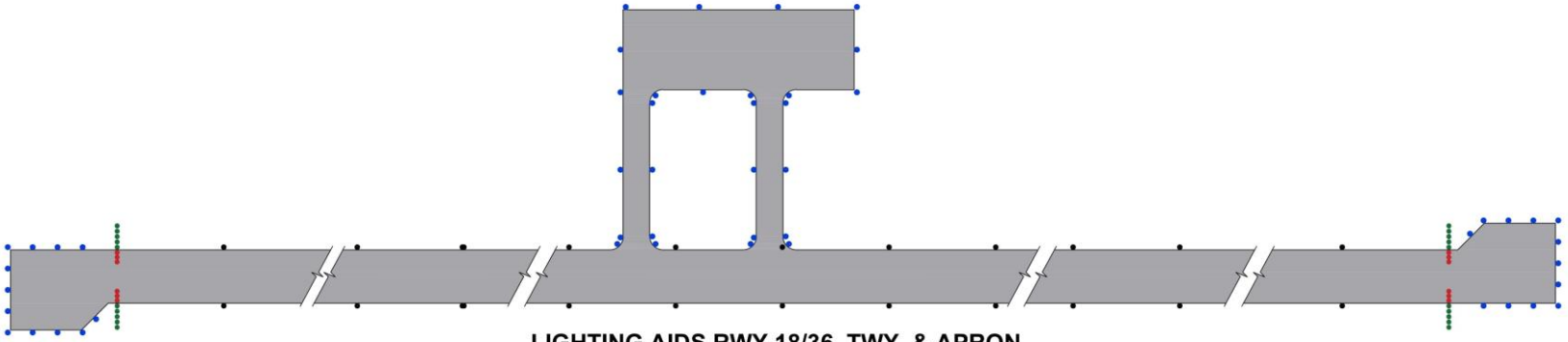
ELEVATIONS IN FEET / METRES
DIMENSIONS IN METRES

Meters
0 50 100 200 300 400 500
0 250 500 750 1000 1250 1500
Feet

AERODROME CHART - ICAO - MARKING & LIGHTING AIDS ON MANOEUVRING AREA MADIVARU ISLAND / MADIVARU AIRPORT



MARKING AIDS RWY 18/36, TWY & APRON



LIGHTING AIDS RWY 18/36, TWY & APRON

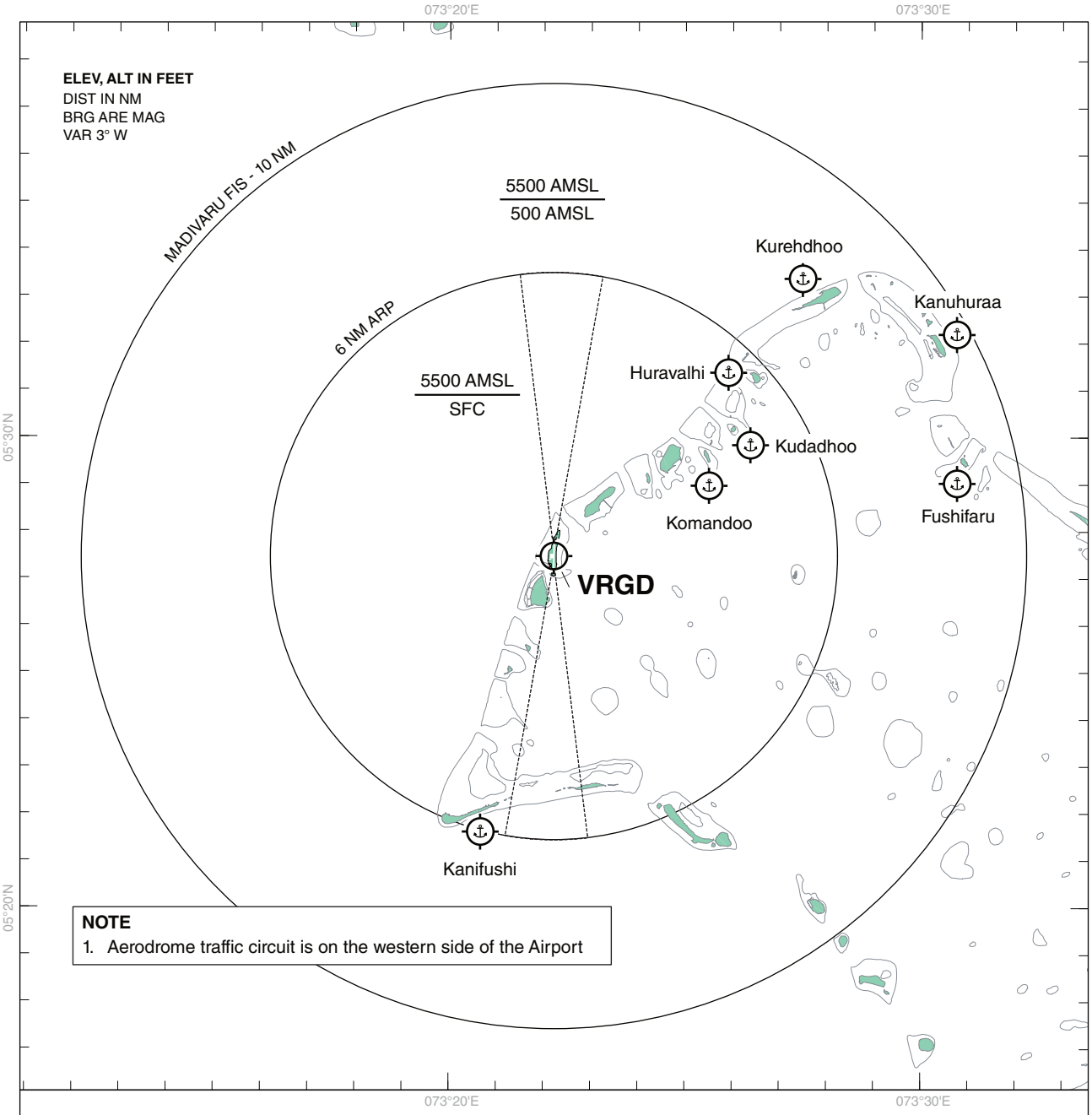
Meters
0 50 100 150
0 100 250 400 500
Feet

LEGEND	
●	RUNWAY EDGE LIGHTS
●	RUNWAY THRESHOLD WINGBAR LIGHTS
●	RUNWAY END LIGHTS
●	RETRO-REFLECTIVE MARKERS

FIS AND VFR AREA CHART

TWR 118.950

MADIVARU / VRGD



NOTE

1. Aerodrome traffic circuit is on the western side of the Airport

1. Seaplanes departing from Floating Jetty sites located beyond 6NM of the ARP, if unable to communicate with the Tower while on water, may takeoff and climb to 500 feet and transmit their position on Madivaru TWR Frequency.

2. Seaplane pilots shall maintain radio communication on the Tower frequency, and exercise caution for aircraft landing/takeoff at Madivaru airport.

LEGEND	
Floating Jetty Site	
Aerodrome Reference Point (Madivaru) 05° 27' 28" N , 73° 22' 13" E	