

AD 2. AERODROMES

VRNT AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VRNT – THIMARAFUSHI AIRPORT

VRNT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	<i>ARP coordinates and site at AD</i>	021239N 0730911E RWY mid-point
2	<i>Direction and distance from (city)</i>	70° / 1.0KM from Thimarafushi
3	<i>Elevation, Reference temperature and mean low temperature</i>	2M / 31° C
4	<i>Geoid undulation at AD ELEV PSN</i>	-95.83M
5	<i>Magnetic (MAG) variation (VAR)/Annual change</i>	3° W (2022) changing by 0°3' E per year
6	<i>Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and website address</i>	Island Aviation Services Limited Corporate Head Office Ground Floor, Dar Al-Eiman Building, Majeedhee Magu, Male', 20345 Republic of Maldives (+960) 3335566 info@iasl.aero www.maldivian.aero
7	<i>Types of traffic permitted (IFR/VFR)</i>	VFR/IFR
8	<i>Remarks</i>	NIL

VRNT AD 2.3 OPERATIONAL HOURS

1	<i>Aerodrome operator</i>	0800 HRS – 1600 HRS
2	<i>Customs and immigration</i>	NIL
3	<i>Health and sanitation</i>	NIL
4	<i>Aeronautical information service (AIS) briefing office</i>	NIL
5	<i>ATS Reporting office (ARO)</i>	NIL
6	<i>MET Briefing Office</i>	NIL
7	<i>ATS</i>	HO
8	<i>Fuelling</i>	NIL
9	<i>Handling</i>	HO
10	<i>Security</i>	Available 24 Hours
11	<i>De-icing</i>	Not Applicable
12	<i>Remarks</i>	AFIS available

VRNT AD 2.4 HANDLING SERVICES AND FACILITIES

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

VRNT AD 2.5 PASSENGER FACILITIES

1	<i>Hotels</i>	In Thimarafushi Island
2	<i>Restaurants</i>	In Thimarafushi Island
3	<i>Transportation</i>	Taxi Service from Thimarafushi Island
4	<i>Medical facilities</i>	Thimarafushi Health care
5	<i>Bank and Post Office</i>	In Thimarafushi Island
6	<i>Tourist Office</i>	NIL
7	<i>Remarks</i>	NIL

VRNT AD 2.6 RESCUE AND FIRE-FIGHTING SERVICES

1	<i>AD category for fire-fighting</i>	CAT 4
2	<i>Rescue equipment</i>	2 Oshkosh Fire Rescue Vehicles
3	<i>Capability for removal of disabled aircraft</i>	Assistance from third parties that are involved in the Airport Emergency Plan
4	<i>Remarks</i>	NIL

VRNT AD 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

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

1	<i>Apron designation, surface and strength</i>	Main Apron Surface: Asphalt Strength: PCN 15/F/B/X/T
2	<i>Taxiway designation, width, surface and strength</i>	TWY A and TWY B Width: 15M Surface: Asphalt Strength: PCN 15/F/B/X/T
3	<i>Altimeter checkpoint location and elevation</i>	Runway mid-point: 021239.22N 0730911.35E Elevation: 2M
4	<i>VHF omnidirectional radio range (VOR) checkpoints</i>	NIL
5	<i>INS checkpoints</i>	NIL
6	<i>Remarks</i>	NIL

VRNT AD 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>	Not Applicable
2	<i>RWY and TWY markings and LGT</i>	RWY: Designation, Threshold, Centerline Markings and Aiming point. TWY: Center Line, Holding position Markings on both Taxiways
3	<i>Stop bars and runway guard lights</i>	NIL
4	<i>Other runway protection measures</i>	NIL
5	<i>Remarks</i>	NIL

VRNT AD 2.10 AERODROME OBSTACLES

In Area 2					
<i>OBST ID/ Designation</i>	<i>OBST type</i>	<i>OBST position</i>	<i>ELEV/HGT</i>	<i>Markings/Type, colour, lighting (LGT)</i>	<i>Remarks</i>
a	b	c	d	e	f
Antenna 1	Antenna	021245.2N 0730904.9E	30M	Red Beacon	
Antenna 2	Antenna	021218.1N 0730834.2E	30M	Red Beacon	
Antenna 3	Antenna	021217.5N 0730835.5E	50M	Red Beacon	
Antenna 4	Antenna	021220.5N 0730837.9E	30M	Red Beacon	
Windsock	Windsock	021247.5N 0730914.7E	06M	Red Beacon & White Light	
Apron Mast 1	Mast	021246.1N 0730910.5E	15M	Red Beacon	
Apron Mast 2	Mast	021244.1N 0730908.6E	15M	Red Beacon	
Control Tower	Tower	021244.0N 0730906.5E	16M	White & Green Beacon	

VRNT AD 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 terminal aerodrome forecast (TAF) preparation Periods of validity and interval of issuance</i>	NIL
4	<i>Trend forecast Interval of issuance</i>	NIL
5	<i>Briefing/consultation provided</i>	Personal consultation with Maldives Meteorological Service Center at VIA
6	<i>Flight documentation Language(s) used</i>	Charts English
7	<i>Charts and other information available for briefing or consultation</i>	NIL
8	<i>Supplementary equipment available for providing information</i>	NIL
9	<i>ATS units provided with information</i>	Thimarafushi AFIS Male' TWR
10	<i>Additional information</i>	NIL

VRNT AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

<i>Designations</i>		<i>Dimensions of RWY (M)</i>	<i>Strength of the pavement classification number (PCN) and surface of RWY and SWY</i>	<i>THR coordinates RWY end coordinates THR geoid undulation</i>	<i>THR elevation and highest elevation of TDZ of precision APCH RWY</i>		
<i>RWY NR</i>	<i>TRUE BRG</i>						
1	2	3	4	5	6		
05	45.00°	1200 x 30	PCN 15/F/B/X/T Asphalt	021225.03N 0730857.27E	THR 2M		
23	225.00°	1200 x 30	PCN 15/F/B/X/T Asphalt	021252.69N 0730924.70E	THR 2M		
<i>Designations</i>		<i>Slope of RWY- SWY</i>	<i>SWY dimensions (M)</i>	<i>Clearway (CWY) dimensions (M)</i>	<i>Strip dimensions (M)</i>	<i>Dimensions of runway end safety area</i>	
1	7	8	9	10	11		
05	0%	NIL	300 x 150	1350 x 75	150 x 60		
23	0%	NIL	300 x 150	1350 x 75	150 x 60		

<i>Designations</i>	<i>Location and description of arresting system</i>	OFZ	Remarks
RWY NR			
1	12	13	14
05	NIL	NIL	NIL
23	NIL	NIL	NIL

VRNT AD 2.13 DECLARED DISTANCES

<i>RWY designator</i>	<i>TORA (M)</i>	<i>TODA (M)</i>	<i>ASDA (M)</i>	<i>LDA (M)</i>	<i>Remarks</i>
1	2	3	4	5	6
05	1200	1500	1200	1200	NIL
23	1200	1500	1200	1200	NIL

VRNT AD 2.14 APPROACH AND RUNWAY LIGHTING

<i>RWY designator</i>	<i>APCH LGT type LEN INTST</i>	<i>THR LGT colour WBAR</i>	<i>VASIS (MEHT) PAPI</i>	<i>TDZ, LGT LEN</i>	<i>RWY Centre Line LGT Length, spacing, colour, INTST</i>	<i>RWY edge LGT LEN, spacing colour INTST</i>	<i>RWY End LGT and Wing bar colour</i>	<i>SWY LGT LEN colour</i>	<i>Remarks</i>
1	2	3	4	5	6	7	8	9	10
05	NIL	Green	APAPI Left/3° 50FT	NIL	NIL	1200M 55M White Low: (1%, 3%) Intermediate: (10%, 30%) High: (100%)	Red	NIL	NIL
23	NIL	Green	APAPI Left /3° 50FT	NIL	NIL	1200M 55M White Low: (1%, 3%) Intermediate: (10%, 30%) High:(100%)	Red	NIL	NIL

VRNT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	<i>ABN/IBN location, characteristics and hours of operation</i>	ABN Location: ATC Tower Characteristics: White & Green Operational during Night Operational Hours
2	<i>LDI location and LGT Anemometer location and LGT</i>	LDI Location: ATC Tower (White) Anemometer Location: ATC (White)
3	<i>TWY edge and center line LGT</i>	TWY Edge: Blue Reflectors TWY Line Lighting: Fixed on TWY A & B
4	<i>Secondary power supply/switch-over time</i>	NIL
5	<i>Remarks</i>	NIL

VRNT AD 2.16 HELICOPTER LANDING AREA

NIL

VRNT AD 2.17 ATS AIRSPACE

1	<i>Designation and lateral limits</i>	Thimarafushi AFIS. A circle, radius of 10NM centered at 021239N 0730911E (ARP)
2	<i>Vertical limits</i>	SFC TO 3500FT AMSL
3	<i>Airspace classification</i>	G
4	<i>ATS unit call sign Language(s)</i>	Thimarafushi Information English
5	<i>Transition altitude</i>	11,000FT AMSL
6	<i>Hours of applicability</i>	HO
7	<i>Remarks</i>	NIL

VRNT AD 2.18 ATS COMMUNICATION FACILITIES

<i>Service designation</i>	<i>Call sign</i>	<i>Channel(s)</i>	<i>SATVOICE number(s)</i>	<i>Logon address</i>	<i>Hours of operation</i>	<i>Remarks</i>
1	2	3	4	5	6	7
Thimarafushi AFIS	Thimarafushi Information	118.40 MHz	NIL	NIL	HO	Separate frequency available to communicate from tower to ground

VRNT AD 2.19 RADIO NAVIGATION AND LANDING AIDS

NIL

VRNT AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VRNT AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VRNT AD 2.22 FLIGHT PROCEDURES

Arrivals

Aircraft inbound to land at Thimarafushi 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 Thimarafushi Airport

During daylight hours:

- a) Descent below 7000 feet on pilot's discretion. Monitor and transmit position information on advisory frequency 128.7 (refer: AIP ENR 1.2 -15) until entering Thimarafushi AFIS zone.
- b) If Thimarafushi Tower is unmanned, pilots shall monitor and transmit position information on tower frequency 118.4 MHz while inside Thimarafushi AFIS zone.
- c) Pilot should contact Thimarafushi Tower at least 15NM prior to landing.
- d) For visual approach descend to 1500 feet and follow standard left-hand pattern.
- e) For Instrument Approach descend to procedure altitude.

During night hours:

- a) If Thimarafushi Tower is unmanned, pilots shall monitor and transmit position information on tower frequency 118.4 MHz while inside Thimarafushi AFIS zone.
- b) For visual approach descend to 1500 feet and follow standard left-hand pattern.
- c) For Instrument Approach descend to procedure altitude.

Departures

Pilots shall contact Thimarafushi Tower on frequency 118.4 MHz 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 take-off area.

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

If Thimarafushi Tower is unmanned, contact Male Control on telephone 3322071, 3317202, 9987202 for ATC clearance. pilot shall monitor and transmit position information on Thimarafushi Tower frequency before entering runway for departure and until passing 3500 feet, or until leaving Thimarafushi AFIS zone.

Co-ordination between Thimarafushi AFIS Unit and Maldives Air Traffic Control Centre

Thimarafushi AFIS unit has a telephone line (3024706) to ensure that MATCC is informed regarding departures, arrivals to and from Thimarafushi Airport.

Information provided to aircraft by Thimarafushi 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 airdrome equipment.
- i) Any other information or messages contributing to safety.

Alerting Service

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

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

Thimarafushi AFIS zone is class G airspace. ATC will not provide separation within Thimarafushi AFIS zone. Traffic Information will be provided of other known IFR and VFR traffic.

When operating on or in the vicinity of Thimarafushi Airport, pilots must, on the basis of the information received from the Thimarafushi AFIS Unit combined with their own knowledge and observations, decide on the course of action to be taken to ensure separation from other aircraft, ground vehicles and obstacles.

It is essential that pilots establish and maintain two-way radio communication with Thimarafushi AFIS Unit and that they report their positions, levels and all significant manoeuvres and intentions to Thimarafushi AFIS unit, since the efficiency of the Thimarafushi AFIS is dependent on the information received.

When Thimarafushi Tower is unmanned pilots shall monitor and transmit position information on Thimarafushi Tower frequency.

VRNT AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart

VRNT AD 2-11

VRNT AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

Not applicable

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