

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

VRMM – VELANA INTERNATIONAL AIRPORT

**VRMM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	<i>ARP coordinates and site at AD</i>	041130N 0733145E TWY C centre point.
2	<i>Direction and distance from (city)</i>	051° 2.8 KM from Male'
3	<i>Elevation, Reference temperature and mean low temperature</i>	2 M/ 32°C
4	<i>Geoid undulation at AD ELEV PSN</i>	-96 M
5	<i>Magnetic (MAG) variation (VAR)/Annual change</i>	3° W (2025) / 2°
6	<i>Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and website address</i>	Maldives Airports Company Ltd Velana International Airport Hulhule' 22000 Republic of Maldives Tel: (+960) 3325511 Fax: (+960) 333 1515 VRMMYDYX <a href="mailto:info@macl.aero">info@macl.aero</a> <a href="http://www.macl.aero">www.macl.aero</a>
7	<i>Types of traffic permitted (IFR/VFR)</i>	IFR/VFR
8	<i>Remarks</i>	NIL

**VRMM AD 2.3 OPERATIONAL HOURS**

1	<i>Aerodrome operator</i>	H24
2	<i>Customs and immigration</i>	H24
3	<i>Health and sanitation</i>	H24
4	<i>Aeronautical information service (AIS) briefing office</i>	H24
5	<i>ATS Reporting office (ARO)</i>	H24
6	<i>MET Briefing Office</i>	H24
7	<i>ATS</i>	H24
8	<i>Fuelling</i>	H24
9	<i>Handling</i>	H24
10	<i>Security</i>	H24
11	<i>De-icing</i>	Not Applicable
12	<i>Remarks</i>	Prior permission required for non-scheduled traffic.

**VRMM AD 2.4 HANDLING SERVICES AND FACILITIES**

1	<i>Cargo-handling facilities</i>	All modern facilities handling weights up to 20 tons per unit
2	<i>Fuel/oil types</i>	Jet A1 for aircraft Non-aviation fuel: Petrol/Diesel available
3	<i>Fuelling facilities/capacity</i>	3 tanks / 45 million liters Fuel delivered by means of refuellers and for following aircraft stands, by means of fuel hydrant systems 1R, 1, 1L, 2R, 2, 2L, 3R, 3, 3L, 4R, 4, 4L, 5R, 5, 5L, 6R, 6, 6L, 7R, 7, 7L, 8R, 8, 8L, 9R, 9, 9L, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11
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>	For passenger embarking/disembarking, Contact Stands (PBB) are available for stands: 1R, 1, 1L, 2R, 2, 2L, 3R, 3, 3L, 4R, 4, 4L, 5R, 5, 5L, 6R, 6, 6L

**VRMM AD 2.5 PASSENGER FACILITIES**

1	<i>Hotels</i>	At AD and in the city
2	<i>Restaurants</i>	At AD and in the city
3	<i>Transportation</i>	Taxis & Bus Services for Land transportation and Launches & Ferry Service for Sea transportation can be hired from the AD
4	<i>Medical facilities</i>	First Aid/ Paramedic at AD, and Hospitals in the city
5	<i>Bank and Post Office</i>	At AD and open during operational Hours and in the city
6	<i>Tourist Office</i>	Airport information counter at AD. Office in the city
7	<i>Remarks</i>	NIL

**VRMM AD 2.6 RESCUE AND FIREFIGHTING SERVICES**

1	<i>AD category for firefighting</i>	CAT 9
2	<i>Rescue equipment</i>	Adequately provided as recommended by ICAO
3	<i>Capability for removal of disabled aircraft</i>	Capable of lifting Code A & B aircraft and De-bogging for all aircraft types
4	<i>Remarks</i>	NIL

**VRMM AD 2.7 SEASONAL AVAILABILITY – CLEARING**

1	<i>Types of clearing equipment</i>	NIL
2	<i>Clearance priorities</i>	NIL
3	<i>Remarks</i>	AD serviceable throughout the year

**VRMM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA**

1	<i>Apron designation, surface and strength</i>	<p>Main Apron Surface: Concrete Strength: PCN 95/R/B/W/T (for code C &amp; above) and PCN 55/R/B/W/T (for code C &amp; Below)</p> <p>East Apron Surface: Concrete Strength: PCN 95/R/B/W/T</p> <p>North Apron Surface: Concrete Strength PCN 95/R/B/W/T</p>
2	<i>Taxiway designation, width, surface and strength</i>	<p>Taxi lane A, 29M (from Aircraft Stand A12 -7R) &amp; 22M (from Aircraft stand 6L – A1), Concrete, PCN 95/R/B/W/T &amp; PCN 55/R/B/W/T</p> <p>TWY F &amp; G, 23M, Concrete, PCN 70/R/B/W/T</p> <p>TWY B3 &amp; B4, 35M, Asphalt, PCN 73/F/A/W/T</p> <p>TWY B5 &amp; B6, 55M, Asphalt, PCN 73/F/A/W/T</p> <p>TWY B7 &amp; B8, 63M, Asphalt, PCN 73/F/A/W/T</p> <p>TWY B9, 43M, Asphalt, PCN 73/F/A/W/T</p> <p>Parallel TWY C, 45M, Asphalt, PCN 64/F/A/W/T</p> <p>TWY D1, 33M, Asphalt, PCN 73/F/A/W/T</p> <p>TWY D2, D3, D5, D6, D7 &amp; E, 32M, Asphalt, PCN 73/F/A/W/T</p> <p>TWY D4, 18M, Asphalt, PCN 60/F/A/W/T</p> <p>Taxi lane F, 35M, Concrete, PCN 95/R/B/W/T</p>
3	<i>Altimeter checkpoint location and elevation</i>	<p>Location: Threshold and Along TWY Centerline Elevation: 2M</p>
4	<i>VHF omnidirectional radio range (VOR) checkpoints</i>	<p>VOR: Frequency 114.7 MHz Location: TWY D7 Holding Position, Radial 357.5, DME 1.47</p>
5	<i>INS checkpoints</i>	NIL
6	<i>Remarks</i>	NIL

**VRMM 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>	<p>Taxiing guidance signs at all intersections with RWY and TWY and at all holding positions Aircraft Stands, direction to Aircraft Stands, and Lead-in lines markings at Main Apron &amp; East Apron</p> <p>Main Apron Visual docking/parking systems available to Stand IDs below 1R, 1, 1L, 2R, 2, 2L, 3R, 3, 3L, 4R, 4, 4L, 5R, 5, 5L, 6R, 6, 6L Pilots to follow Marshaller to stand IDs below A12, A11, A10, 9L, 9, 9R, 8L, 8, 8R, 7L, 7, 7R, A9, A8, A7, A6, A5, A4, A3, A2, A1</p> <p>East Apron F1L, F1R, F2L, F2, F2R, F3L, F3, F3R, F4L, F4, F4R</p>
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2	<i>RWY and TWY markings and LGT</i>	<p>RWY: Pre-THR, Displaced THR, THR, Designation, Aiming Point, TDZ, Centerline, Side Stripe Marked and THR, Centerline, Edge and End Lighted.</p> <p>TWY: Center Line, Side stripes line marked and All TWY Edge and All TWYs intersecting to RWY lighted. Holding position marked for TWY D3-D7, TWY E, AND TWY C</p>
3	<i>Stop bars and runway guard lights</i>	Stop bars not applicable/RWY Guard lights available
4	<i>Other runway protection measures</i>	NIL
5	<i>Remarks</i>	<p>East Apron is used for Aircraft parking only. Holding position to Enter/Vacate RWY via TWY D1 &amp; TWY D2 is TWY C holding position. Pattern "A" RWY HLDG PSN marked for TWY D3-D7, TWY E, AND TWY C Pattern "B" RWY HLDG PSN marked for TWY E before entry into RWY 36 ILS sensitive area</p>

**VRMM AD 2.10 AERODROME OBSTACLES**

<i>In Area 2</i>					
<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
G1	Apron Mast	041043.1N 0733138.8E	25 M	LIGHTED	Not penetrating OLS
G2	Apron Mast	041045.1N 0733138.8E	25 M	LIGHTED	Not penetrating OLS
G3	Apron Mast	041047.5N 0733138.8E	25 M	LIGHTED	Not penetrating OLS
G4	Apron Mast	041050.6N 0733138.7E	25 M	LIGHTED	Not penetrating OLS
G5	Apron Mast	041053.3N 0733138.7E	25 M	LIGHTED	Not penetrating OLS
G6	Apron Mast	041056.0N 0733138.6E	25 M	LIGHTED	Not penetrating OLS
G21	Apron Mast	041104.9N 0733202.4E	25 M	LIGHTED	Not penetrating OLS
G22	Apron Mast	041107.7N 0733202.4E	25 M	LIGHTED	Not penetrating OLS
G23	Apron Mast	041110.6N 0733202.4E	25 M	LIGHTED	Not penetrating OLS
G24	Apron Mast	041113.5N 0733202.4E	25 M	LIGHTED	Not penetrating OLS
	Radar (New)	041100.5N 0733206.1E	34 M	MARKED/ LIGHTED	Not penetrating OLS

	VOM Antenna (Male - West)	041021.7N 0733011.2E	76 M	MARKED/ LIGHTED	Not penetrating OLS
ILS GP36	GP Antenna (RWY36)	041116.6N 0733155.6E	15 M	MARKED/ LIGHTED	On RWY Strip 120M East from centreline
ILS GP18	GP Antenna (RWY18)	041221.0N 0733155.5E	15 M	MARKED/ LIGHTED	On RWY Strip 120M East from centreline
	Powerhouse chimney	041120.0N 0733204.3E	30 M	MARKED/ LIGHTED	Not penetrating OLS
	Ooredoo Antenna (Hulhumale')	041316.6N 0733241.1E	40 M	MARKED/ LIGHTED	Not penetrating OLS
	Dhiraagu Antenna (Hulhumale')	041312.5N 0733245.7E	45 M	MARKED/ LIGHTED	Not penetrating OLS
	ATC Tower	041124.7N 0733203.8E	40 M	MARKED/ LIGHTED	Not penetrating OLS
	TVM antenna (Male)	041017.3N 0733038.1E	76 M	MARKED/ LIGHTED	Not penetrating OLS
ILS LLZ36	ILS localizer antenna	041255.1N 0733151.6E	3 M	MARKED/ LIGHTED	On North of RWY End
ILS LLZ18	ILS localizer antenna	041044.9N 0733151.7E	3 M	MARKED/ LIGHTED	On South of RWY End
WDI 18	Windsock	041219.6N 0733148.0E	3 M	MARKED/ LIGHTED	On RWY Strip
WDI 36	Windsock	041117.8N 0733148.1E	3 M	MARKED/ LIGHTED	On RWY Strip

**VRMM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	<i>Associated MET office</i>	National Meteorological Centre
2	<i>Hours of service MET office outside hours</i>	H24
3	<i>Office responsible for terminal aerodrome forecast (TAF) preparation Periods of validity and interval of issuance</i>	National Meteorological Centre 9, 24
4	<i>Trend forecast Interval of issuance</i>	TREND 2 HR
5	<i>Briefing/consultation provided</i>	Personal Consultation
6	<i>Flight documentation Language(s) used</i>	Charts, abbreviated plain language text English
7	<i>Charts and other information available for briefing or consultation</i>	S, U85, U50, U25, SWH, SWM, T
8	<i>Supplementary equipment available for providing information</i>	Telefax
9	<i>ATS units provided with information</i>	Maldives Air Traffic Control Centre/ Male' TWR
10	<i>Additional information</i>	02 Hr prior notice required

**VRMM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

<i>Designations RWY NR</i>	<i>TRUE BRG</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 APCHRWY</i>	
1	2	3	4	5	6	
18	179.95	3400 X 60	PCN 80/F/B/W/T ASPHALT SWY: NIL	041231.00N 0733151.59E GUND: NIL	THR 2M	
36	359.95	3400 X 60	PCN 80/F/B/W/T ASPHALT SWY: NIL	041106.45N 0733151.67E GUND: NIL	THR 2M	
<i>Designations RWY NR</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 areas</i>	
1	7	8	9	10	11	
18	0%	NIL	300 X 150	3520 X 280	240 X 120	
36	0%	NIL	300 X 150	3520 X 280	240 X 120	
<i>Designations RWY NR</i>	<i>Location and description of arresting system</i>	<i>OFZ</i>	<i>Remarks</i>			
1	12	13	14			
18	NIL	NIL	NIL			
36	NIL	NIL	NIL			

**VRMM 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
18	3400	3700	3400	2960	DTHR 440M
	3035	3335	3035	NIL	D2
	2413	2713	2413	NIL	D3
	1660	1960	1660	NIL	D4
	0910	1210	0910	NIL	D5
36	3400	3700	3400	3035	DTHR 363M
	3000	3300	3000	NIL	D6
	2486	2786	2486	NIL	D5
	1740	2040	1740	NIL	D4

**VRMM 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
18	PALS  CAT I  WHITE Barrettes 30 M 900 M  INTST 1-5 Steps	Green	PAPI on left side 03°  MEHT is 19.95 M	NIL	2060 M, 30 M WHITE  600 M, 30 M RED/ WHITE  300M, 30M RED  INTST 1-5 steps	360 M, 60 M RED  2440 M, 60 M WHITE  600 M 60 M YELLOW  INTST 1-5 steps	Red  -	NIL	NIL
36	PALS  CAT I  WHITE Barrettes 30 M 900 M  INTST 1-5 Steps	Green	PAPI on left side 03°  MEHT is 19.95 M	NIL	2137 M, 30 M WHITE  600 M, 30 M RED/ WHITE  300 M, 30 M RED  INTST 1-5 steps	440 M, 60 M RED  2440 M, 60 M WHITE  600 M 60 M YELLOW  INTST 1-5 steps	Red  -	NIL	NIL

**VRMM AD 2.15 OTHER LIGHTING AND SECONDARY POWER SUPPLY**

1	<i>ABN/IBN location, characteristics and hours of operation</i>	ABN: At Tower Building, ALTN W/G EV 5 SEC/ IBN: NIL HN
2	<i>LDI location and LGT Anemometer location and LGT</i>	NIL Anemometer: Both side of parallel TWY C
3	<i>TWY edge and centre line LGT</i>	Edge: All TWY (Blue) Centerline: TWY D1, D2, D3, D4, D5, D6, D7, E Entry (Green) & Exit (Alternate Green/Yellow)
4	<i>Secondary power supply/switch-over time</i>	Secondary Power supply to all Lightings at AD Switch-over time: 15 seconds
5	<i>Remarks</i>	RWY centerline light, THR lights and APCH lights will not have any disruption during switch over time.

**VRMM AD 2.16 HELICOPTER LANDING AREA**

NIL

**VRMM AD 2.17 ATS AIRSPACE**

1	<i>Designation and lateral limits</i>	MALE' CTR A circle, radius 15 NM centred at 041223.4N 0733139.4E (VOR)
2	<i>Vertical limits</i>	SFC to 3 500 FT AMSL
3	<i>Airspace classification</i>	D
4	<i>ATS unit call sign Language(s)</i>	Male' Tower English
5	<i>Transition altitude</i>	11 000 FT AMSL
6	<i>Hours of applicability</i>	H24
7	<i>Remarks</i>	NIL

**VRMM 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
AREA NORTH	Male' Control	123.9 MHz	NIL	NIL	H24	Subj to TFC density
APP	Male' Approach	119.7 MHz	NIL	NIL	H24	
TWR	Male' TWR	118.1 MHz	NIL	NIL	H24	
	Male' Ground	121.6 MHz	NIL	NIL	H24	For Pre-flight information and ATC clearance
ATIS	Male' Information	125.5 MHz	NIL	NIL	H24	

**VRMM AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

<i>Type of aid, MAG VAR, Type of supported OPS (for VOR/ILS/MLS , give declination)</i>	<i>ID</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Position of transmitting antenna coordinates</i>	<i>Elevation of distance- measuring equipment (DME) transmitting antenna</i>	<i>Service volume radius from the GBAS reference point</i>	<i>Remarks</i>
1	2	3	4	5	6	7	8
DVOR	MLE	114.7 MHz	H24	041223.4N 0733139.4E	6.3 M	NIL	Counterpoise 5 M
VOR/DME	MLE	CH 94X	H24	041223.4N 0733139.4E	8.05 M	NIL	
LLZ 36 ILS CAT I	IMM	109.9 MHz	H24	041255.1N 0733151.6E	3 M	NIL	NIL
ILS GP 36	IMM	333.80 MHz	H24	041116.6N 0733155.6E	Ant1 4.28 M Ant2 8.59 M	NIL	3°, RDH 50FT
ILS DME 36	IMM	CH 36X	H24	041116.6N 0733155.6E	3.5 M	NIL	NIL
LLZ 18 ILS CAT I	IMN	109.7 MHz	H24	041044.9N 0733151.7E	3 M	NIL	NIL
ILS GP 18	IMN	333.20 MHz	H24	041221.0N 0733155.5E	Ant1 4.28 M Ant2 8.59 M	NIL	3°, RDH 50 FT
ILS DME 18	IMN	CH 34X	H24	041221.0N 0733155.5E	3.5 M	NIL	NIL

**VRMM AD 2.20 LOCAL AERODROME REGULATIONS****1. Parking****1.1 Details of parking stands**

<b>Stand ID</b>	<b>Coordinates</b>		<b>Aircraft Type</b>	<b>Bearing Strength (PCN)</b>
<b>A1</b>	04° 11' 26.31" N	073° 31' 40.34" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A2</b>	04° 11' 24.99" N	073° 31' 40.26" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A3</b>	04° 11' 23.67" N	073° 31' 40.15" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A4</b>	04° 11' 22.35" N	073° 31' 40.07" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A5</b>	04° 11' 21.03" N	073° 31' 40.09" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A6</b>	04° 11' 19.31" N	073° 31' 40.12" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A7</b>	04° 11' 17.99" N	073° 31' 40.14" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A8</b>	04° 11' 16.67" N	073° 31' 40.16" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>A9</b>	04° 11' 15.35" N	073° 31' 40.18" E	A321, B737, DHC8, ATR-72	55/R/B/W/T
<b>1</b>	04° 11' 12.57" N	073° 31' 39.00" E	A380, B777, B787, A350, A340, A330	95/R/B/W/T
<b>1R</b>	04° 11' 12.70" N	073° 31' 39.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>IL</b>	04° 11' 11.91" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>2</b>	04° 11' 09.73" N	073° 31' 39.00" E	A380, B777, B787, A350, A340, A330	95/R/B/W/T
<b>2R</b>	04° 11' 09.83" N	073° 31' 39.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>2L</b>	04° 11' 09.02" N	073° 31' 40.10" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>3</b>	04° 11' 06.96" N	073° 31' 39.00" E	B777, B787, A350, A340, A330	95/R/B/W/T

<b>3R</b>	04° 11' 07.22" N	073° 31' 39.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>3L</b>	04° 11' 06.32" N	073° 31' 40.10" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>4</b>	04° 11' 04.22" N	073° 31' 39.00" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>4R</b>	04° 11' 04.48" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>4L</b>	04° 11' 03.58" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>5</b>	04° 11' 01.49" N	073° 31' 39.00" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>5R</b>	04° 11' 01.76" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>5L</b>	04° 11' 00.84" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>6</b>	04° 10' 59.0" N	073° 31' 39.00" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>6R</b>	04° 10' 60.0" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>6L</b>	04° 10' 59.0" N	073° 31' 40.00" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>7</b>	04° 10' 55.61" N	073° 31' 38.92" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>7R</b>	04° 10' 55.84" N	073° 31' 39.24" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>7L</b>	04° 10' 55.06" N	073° 31' 39.92" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>8</b>	04° 10' 52.88" N	073° 31' 38.97" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>8R</b>	04° 10' 53.10" N	073° 31' 39.29" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>8L</b>	04° 10' 52.32" N	073° 31' 39.97" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>9</b>	04° 10' 50.14" N	073° 31' 39.01" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>9R</b>	04° 10' 50.37" N	073° 31' 39.34" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>9L</b>	04° 10' 49.59" N	073° 31' 40.01" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>A-10</b>	04° 10' 47.00" N	073° 31' 39.06" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>A-11</b>	04° 10' 44.64" N	073° 31' 39.10" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>A-12</b>	04° 10' 42.77" N	073° 31' 40.04" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F1R</b>	04° 11' 14.13" N	073° 32' 01.68" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F1L</b>	04° 11' 15.54" N	073° 32' 01.68" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F2</b>	04° 11' 11.98" N	073° 32' 00.06" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>F2R</b>	04° 11' 11.28" N	073° 32' 01.69" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F2L</b>	04° 11' 12.69" N	073° 32' 01.68" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F3</b>	04° 11' 09.14" N	073° 32' 00.06" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>F3R</b>	04° 11' 08.43" N	073° 32' 01.69" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F3L</b>	04° 11' 09.85" N	073° 32' 01.69" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F4</b>	04° 11' 06.29" N	073° 32' 00.06" E	B777, B787, A350, A340, A330	95/R/B/W/T
<b>F4R</b>	04° 11' 05.58" N	073° 32' 01.69" E	A321, B737, DHC8, ATR-72	95/R/B/W/T
<b>F4L</b>	04° 11' 07.00" N	073° 32' 01.69" E	A321, B737, DHC8, ATR-72	95/R/B/W/T

## 2. Scope of Change

- 2.1 On Main Apron, the following will be newly configured contact stands Passenger Boarding Bridge (PBB): 1R, 1, 1L, 2R, 2, 2L, 3R, 3, 3L, 4R, 4, 4L, 5R, 5, 5L, 6R, 6, 6L.
- 2.2 In addition to that, for these stands Visual Docking Guidance System (VDGS) is available. After vacating Taxi lane, A, Aircraft are to follow the VDGS.

## 3. Landing

### 3.1 Runway 36

- 3.1.1 After landing, Heavy and Medium (jet) aircraft should vacate the runway via TWY D3. If exiting the runway via TWY D1 or D2, vacate via TWY C Holding Position. ATC will issue specific taxi instructions to its assigned aircraft stand.

- 3.1.2 After landing, Medium (turboprop) and Light aircraft should vacate the runway by the shortest suitable route (preferably TWY D4). ATC will issue specific taxi instructions to its assigned aircraft stand.

### **3.2 Runway 18**

- 3.2.1 After landing, Heavy and Medium (jet) aircraft should vacate the runway via D6 or D7. ATC will issue specific taxi instructions to its assigned aircraft stand.
- 3.2.2 After landing, Medium (turboprop) aircraft should vacate the runway via D5. ATC will issue specific taxi instructions to its assigned aircraft stand.
- 3.2.3 Aircraft vacating the runway-in-use should not stop on the exit taxiway until the entire aircraft has passed the runway vacate sign (runway holding position).

### **3.3 Parking**

- 3.3.1 Visual Docking Guidance System available for stands 1R, 1, 1L, 2R, 2, 2L, 3R, 3, 3L, 4R, 4, 4L, 5R, 5, 5L, 6R, 6, 6L.
- 3.3.2 ATC is to issue parking instruction.  
Sample Phraseology by ATC:  
Taxi to stand 2 via B6, follow VDGS for Parking  
or  
Taxi to stand A9 via B5, follow the Marshaller
- 3.3.3 To all other stands, Pilot is to follow the lead-in line until marshaller is in sight, and then follow the marshaller for parking. In the event of VDGS failure, aircraft shall follow the marshaller.
- 3.3.4 If the marshaller is not in-sight, after vacating the parallel taxiway Taxilane A, pilot may contact Male Ground on 121.6 MHz

## **4. Departure**

### **4.1 Start-up and pushback**

- 4.1.1 Pilot shall call Male Ground on 121.6MHz for ATC clearance, pushback and startup. Pilot should inform the current position / parking stand.
- 4.1.2 When the pilot is ready for start-up and pushback, he shall seek confirmation from the ground crew that there is no hazard to his aircraft starting up.
- 4.1.3 Pilot shall only request for ATC clearance provided aircraft is ready to pushback.
- 4.1.4 ATC will inform pushback sequence based on scheduled time of departure, EOBT and real-time readiness of aircraft to reduce the overall delay to traffic.

*Note: ATC in consultation with Airport Operations Control Center (AOCC) may swap pushback sequence based on real-time readiness of aircraft, to maximize apron and runway capacity and reduce the overall delay to traffic as and when required.*

- 4.1.5 On being told by Male Ground that pushback is approved, the pilot shall co-ordinate with the ground crew for pushback of the aircraft.
- 4.1.6 Ground crew must ensure that the area behind aircraft is clear of vehicles, equipment and other obstructions before pushback of aircraft commences.
- 4.1.7 Aircraft shall be pushed back on to the taxi lane, positioned facing north/south, as appropriate, before tug is released.
- 4.1.8 ATC will issue start-up after pushback is complete. Pilot shall co-ordinate with the ground crew to ensure the area behind aircraft is clear of vehicles, equipment and other obstructions.
- 4.1.9 Pilot shall change from Male Ground frequency to Male Tower frequency when instructed.

## **4.2 Taxiing**

- 4.2.1 Pilot shall contact Male Tower on 118.1MHz to obtain taxi instructions prior to taxiing.
- 4.2.2 Pilots are reminded to always use minimum power when starting engines. When commencing to taxi, break-away thrusts shall be kept to an absolute minimum.

*Note: The first aircraft to taxi may not necessarily be the first aircraft to take-off. An aircraft lining up at an intersection point maybe allowed to takeoff ahead of a preceding taxiing aircraft using full-length of the runway.*

- 4.2.3 Medium (Turbo prop) aircraft at runway holding positions at TWY C Holding Position, D3, D4, D5, D6 and D7 are considered clear of aircraft taxiing on TWY C. There will be no runway holding position markings on TWY 'D1' and 'D2'.
- 4.2.4 ATC shall advise while giving clearance to taxi past an aircraft at runway holding position. Pilot shall exercise caution while taxiing past an aircraft at runway holding position.
- 4.2.5 Pilots should arrange their taxiing such that they are ready to depart without delay on reaching the runway holding position.
- 4.2.6 Pilots should complete cockpit checks prior to line-up for departure and keep any checks on the runway to a minimum.

## **4.3 Takeoff**

### **4.3.1 Runway 36**

- 4.3.1.1 On obtaining ATC clearance, aircraft shall initially taxi to a designated runway holding position, preferably:
  - Heavy and Medium (jet) – TWY D6 or D7
  - Medium (turboprop) – TWY D5
  - Medium (taxiing from North Apron) – D4 or D5

### 4.3.2 Runway 18

- 4.3.2.1 On obtaining ATC clearance, aircraft shall initially taxi to a designated runway holding position, preferably;
- Heavy and Medium (jet) – TWY D3 and TWY C Holding Position if entering via TWY D1 or D2
  - Medium (turboprop) – TWY D4
  - Medium (taxiing from North Apron) – TWY D4 or D3 or TWY C Holding Position if entering via TWY D1 or D2.
- 4.3.2.2 The pilot shall not enter runway or take-off without ATC clearance.
- 4.3.2.3 Conditional line-up clearance may be used by ATC to facilitate an expeditious flow of traffic. On receipt of line-up clearance, pilots should taxi into position promptly without delay. Unless given instructions to line-up and wait, pilots should be ready and prepared to depart without stopping. On receipt of takeoff clearance, pilots to commence take-off roll without delay.

### 4.3.3 Clearance for Immediate Take-Off

A pilot receiving the ATC instruction ‘cleared for immediate take-off’ is required to act as follows:

- a) if at the runway holding position, taxi immediately on to the runway and begin take-off run without stopping the aircraft;
- b) if already lined-up on the runway, take-off without delay;
- c) if unable to comply with the instruction, inform ATC immediately.

## 5. Turning procedure for heavy aircraft on RWY

Heavy aircraft are prohibited from making 180deg turns on RWY18/36.

### VRMM AD 2.21 NOISE ABATEMENT PROCEDURES

All departures from RWY36, shall continue runway heading until 3 DME from “MLE” VOR/DME. Due to noise sensitive area around the final approach of RWY36, jet or heavy aircraft making visual approach RWY36 shall extend downwind leg and join final beyond 7NM and shall not descend below the circuit altitude until established on the final.

### VRMM AD 2.22 FLIGHT PROCEDURES

#### General

#### 1. Procedure for IFR Aircraft

##### 1.1 IFR Arrivals and Departures

- 1.1.1 Except when surveillance is not available, IFR arrivals and departures will be cleared on RNAV 1 STARs and SIDs respectively.
- 1.1.2 Aircraft cleared on SID shall maintain an initial rate of climb (ROC) of not less than 1500 feet per minute until passing or reaching 6000 feet. If unable to comply, aircraft with high performance will be given preference in the departure sequence.

##### 1.2 RNAV 1 SIDs and STARs:

- Based on RNAV 1 application and GNSS sensor. GNSS should be coupled with FD or autopilot. Lateral deviation, FSD of  $\leq \pm 1$  NM. The maximum FTE permitted is 0.5NM.

- Procedures are applicable with ATS surveillance (radar, ADS-B or combination of radar and ADS-B).
- Direct controller-pilot communication required.
- Aircraft which do not meet navigation specification mentioned above will be vectored along the routes.

#### **Procedures for IFR flights within Male' TMA**

The inbound transit and outbound routes shown on the charts may be varied at the discretion of ATS. If necessary, in cases of congestion, inbound aircraft may be instructed to hold at one of the designated airways reporting points.

#### **Procedures for VFR flights within Male' TMA**

- a) Before conducting any VFR flight, the following details must be submitted to ATC either in writing, or by telephone or on radio.
  - I. type of aircraft with call sign
  - II. destination or area of operation
  - III. desired altitude
  - IV. estimated duration of flight
  - V. purpose of flight
  - VI. total endurance
  - VII. number of persons on board
- b) All flights engaged in public transport work below 3000 ft on magnetic tracks of 000 deg-179 deg shall be flown at thousands of feet, altitude.
- c) All flights engaged in public transport work below 3000 ft on magnetic tracks of 180 deg-359 deg shall be flown at thousands five hundreds of feet altitude.
- d) All other flights (eg: photography, training, aerial survey flights etc.) may be flown at any altitude or flight level below FL200, with ATC approval.
- e) All flights inside or outside of controlled airspace are required to maintain a continuous listening watch on the frequencies designated for the area applicable indicated below:
  - Frequency 128.9 MHz (R223 - R310)
  - Frequency 128.4 MHz (R310 - R347)
  - Frequency 128.6 MHz (R347 - R160)
  - Frequency 128.7 MHz (R160 - R223)

#### **4. VFR flight within Male' CTR**

Overflying the islands of Male', Hulhumale', Funadhoo, Dhoonidhoo, Aarah, Villingili, Himmafushi and Girifushi is totally prohibited to all VFR flights.

#### **VRMM AD 2.23 ADDITIONAL INFORMATION**

##### **Bird concentrations in the vicinity of the airport**

Concentration of birds at Velana International Airport, on and around rwy18/36 are expected. All pilots are advised to exercise caution.

**VRMM AD 2.24 CHARTS RELATED TO AN AERODROME**

Aerodrome Chart	VRMM AD 2 - 17
Aerodrome Chart Aerodrome Marking and Lighting	VRMM AD 2 - 17.2
Instrument Approach Chart- ICAO, VOR W RWY 18	VRMM AD 2 - 19
Instrument Approach Chart- ICAO, VOR X RWY 18	VRMM AD 2 - 21
Instrument Approach Chart- ICAO, RNP Z RWY 18	VRMM AD 2 - 23
Instrument Approach Chart- ICAO, VOR W RWY 36	VRMM AD 2 - 25
Instrument Approach Chart- ICAO, VOR X RWY 36	VRMM AD 2 - 27
Instrument Approach Chart- ICAO, RNP Z RWY 36	VRMM AD 2 - 29
Instrument Approach Chart- ICAO, ILS W RWY 18	VRMM AD 2 - 31
Instrument Approach Chart- ICAO, ILS X RWY 18	VRMM AD 2 - 33
Radar Minimum Altitude Chart- ICAO	VRMM AD 2 - 35
Instrument Approach Chart- ICAO, ILS W RWY 36	VRMM AD 2 - 37
Instrument Approach Chart- ICAO, ILS X RWY 36	VRMM AD 2 - 39
Standard Departure Chart Instrument (SID) – ICAO RWY 18	VRMM AD 2 - 41
Standard Departure Chart Instrument (SID) – ICAO RWY 18	VRMM AD 2 - 43
Standard Departure Chart Instrument (SID) – ICAO RWY 36	VRMM AD 2 - 45
Standard Departure Chart Instrument (SID) – ICAO RWY 36	VRMM AD 2 - 47
Standard Arrival Chart Instrument (STAR) – ICAO RWY 18	VRMM AD 2 - 49
Standard Arrival Chart Instrument (STAR) – ICAO RWY 18	VRMM AD 2 - 51
Standard Arrival Chart Instrument (STAR) – ICAO RWY 36	VRMM AD 2 - 53
Standard Arrival Chart Instrument (STAR) – ICAO RWY 36	VRMM AD 2 - 55
Standard Arrival Chart Instrument (STAR) – ICAO RWY 18	VRMM AD 2 - 57
Standard Arrival Chart Instrument (STAR) – ICAO RWY 36	VRMM AD 2 - 59
Standard Departure Chart Instrument (SID) – ICAO RWY 18	VRMM AD 2 - 61
Standard Departure Chart Instrument (SID) – ICAO RWY 36	VRMM AD 2 - 63
Instrument Approach Chart – Male' Training VOR RWY 24	VRMM AD 2 - 65
Instrument Approach Chart – Male' Training VOR RWY 30	VRMM AD 2 - 67

**VRMM AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION**

Not applicable.

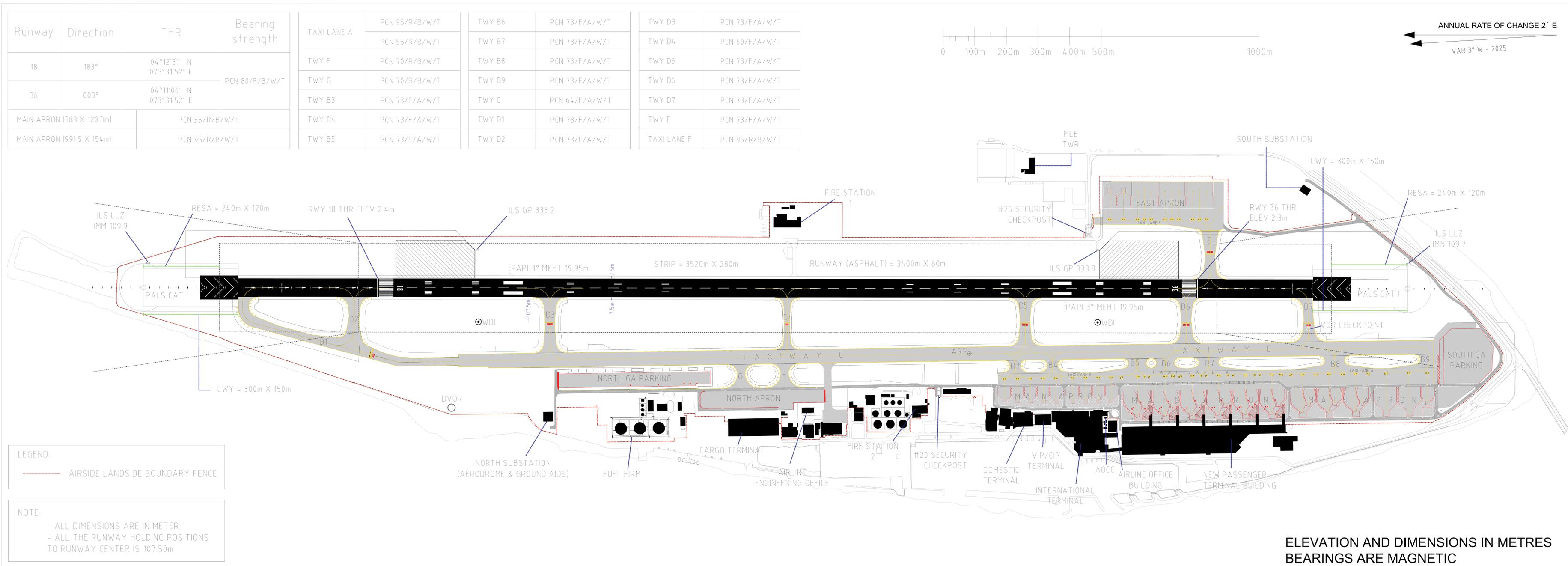
AERODROME CHART - ICAO

04° 11' 30" N  
073° 31' 45" E

ELEV 2M

TWR 118.1  
GND 121.6

MALE' / VELANA INTERNATIONAL AIRPORT



Runway	Direction	THR	Bearing strength
18	183°	04°12'31" N 073°31'52" E	PCN 80/F/B/W/T
36	003°	04°11'06" N 073°31'52" E	
MAIN APRON (388 X 120.3m)		PCN 55/R/B/W/T	
MAIN APRON (991.5 X 154m)		PCN 95/R/B/W/T	

TAXI LANE A	PCN 95/R/B/W/T
TWY F	PCN 70/R/B/W/T
TWY G	PCN 70/R/B/W/T
TWY B3	PCN 73/F/A/W/T
TWY B4	PCN 73/F/A/W/T
TWY B5	PCN 73/F/A/W/T

TWY B6	PCN 73/F/A/W/T
TWY B7	PCN 73/F/A/W/T
TWY B8	PCN 73/F/A/W/T
TWY B9	PCN 73/F/A/W/T
TWY C	PCN 64/F/A/W/T
TWY D1	PCN 73/F/A/W/T
TWY D2	PCN 73/F/A/W/T

TWY D3	PCN 73/F/A/W/T
TWY D4	PCN 60/F/A/W/T
TWY D5	PCN 73/F/A/W/T
TWY D6	PCN 73/F/A/W/T
TWY D7	PCN 73/F/A/W/T
TWY E	PCN 73/F/A/W/T
TAXI LANE F	PCN 95/R/B/W/T



LEGEND:  
- - - AIRSIDE LANDSIDE BOUNDARY FENCE

NOTE:  
- ALL DIMENSIONS ARE IN METER.  
- ALL THE RUNWAY HOLDING POSITIONS TO RUNWAY CENTER IS 107.50m

ELEVATION AND DIMENSIONS IN METRES  
BEARINGS ARE MAGNETIC

AERODROME CHART - ICAO

04° 11' 30" N  
073° 31' 45" E

ELEV 2M

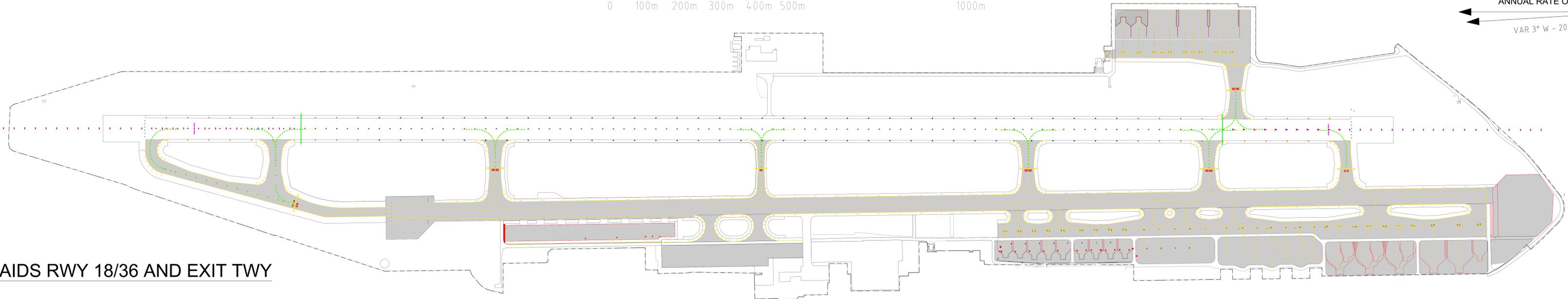
TWR 118.1  
GND 121.6

MALE' / VELANA INTERNATIONAL AIRPORT

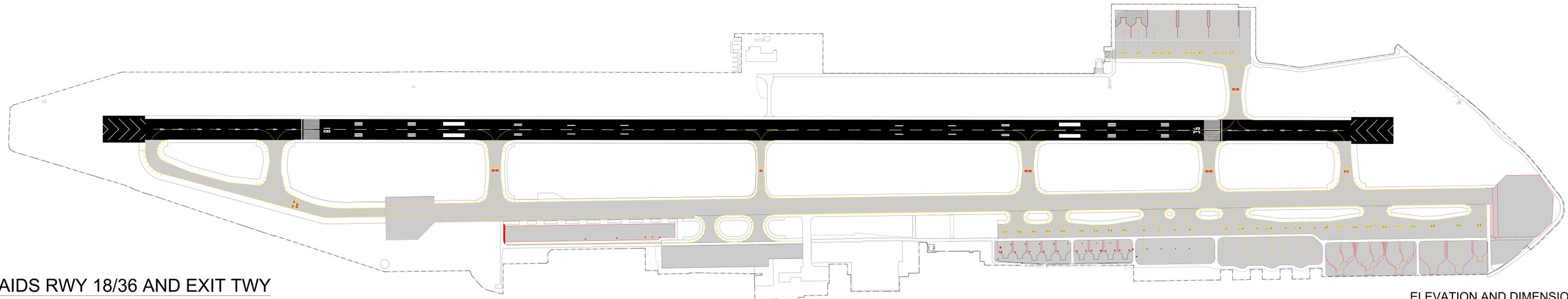


ANNUAL RATE OF CHANGE 2' E  
VAR 3° W - 2020

LIGHTING AIDS RWY 18/36 AND EXIT TWY



MARKING AIDS RWY 18/36 AND EXIT TWY



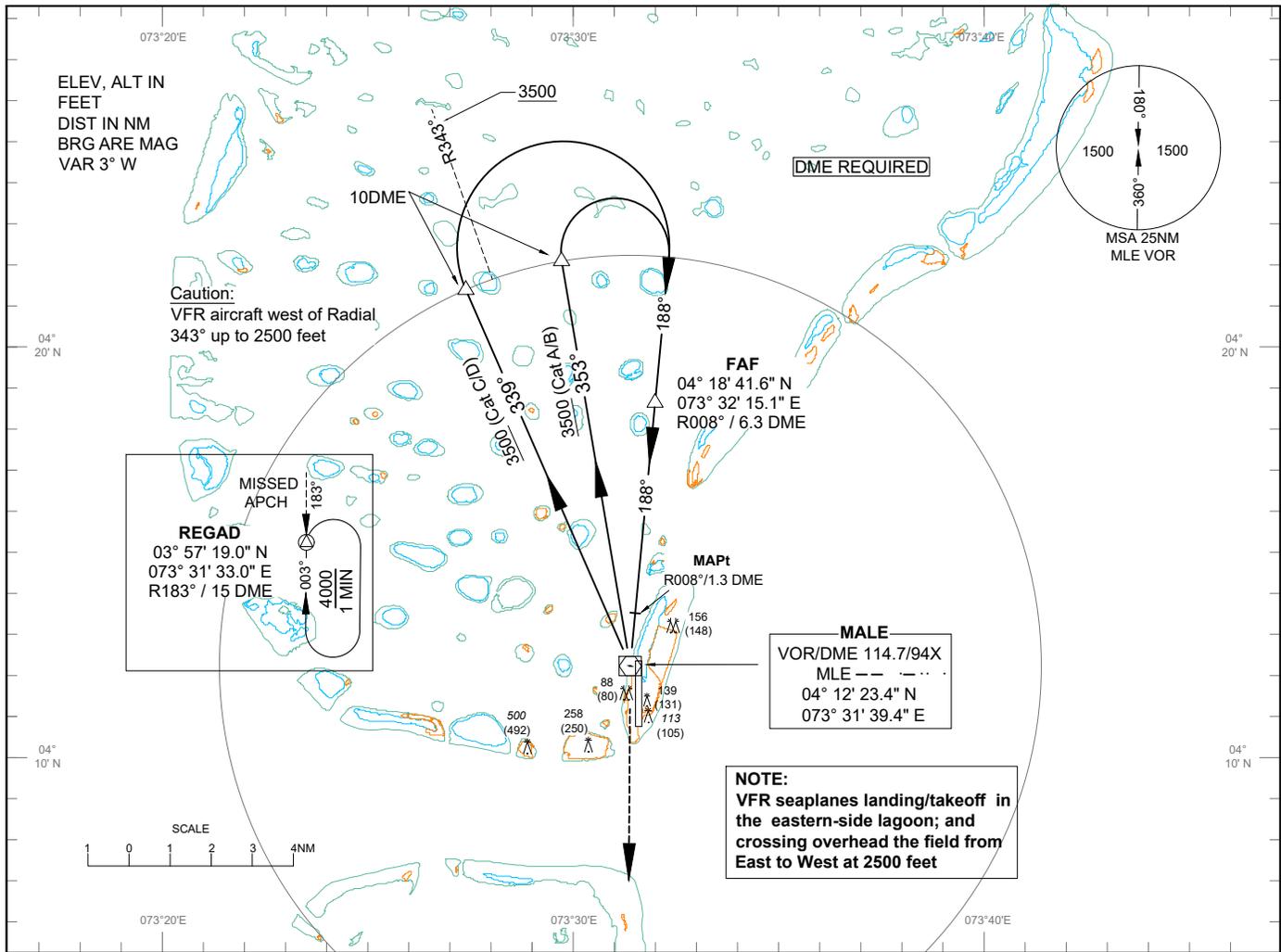
ELEVATION AND DIMENSIONS IN METRES  
BEARINGS ARE MAGNETIC

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 18 - ELEV 8 FT

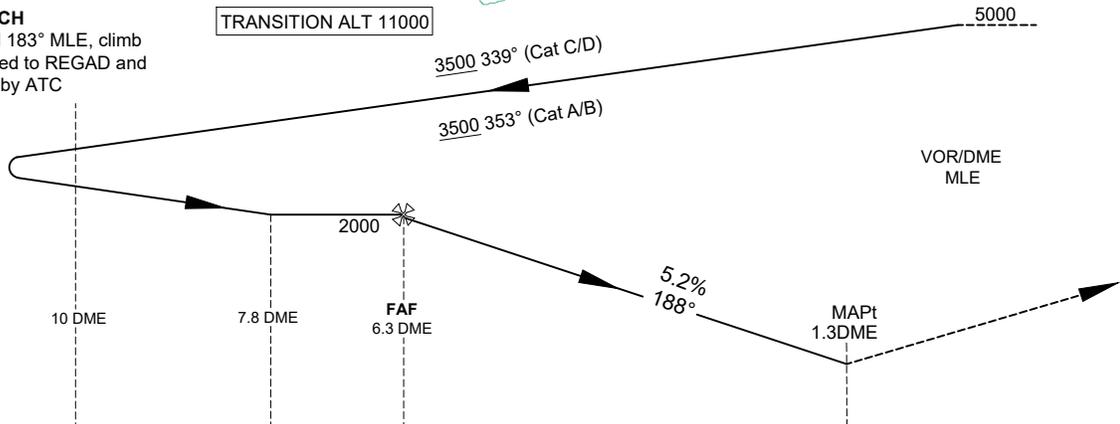
MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
VOR W RWY 18



**MISSED APPROACH**  
Establish on Radial 183° MLE, climb to 4000 feet, proceed to REGAD and hold or as directed by ATC

TRANSITION ALT 11000



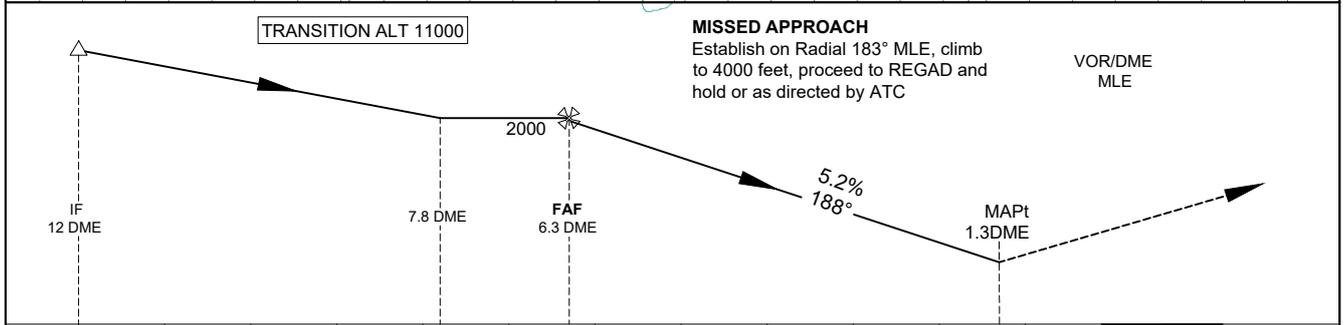
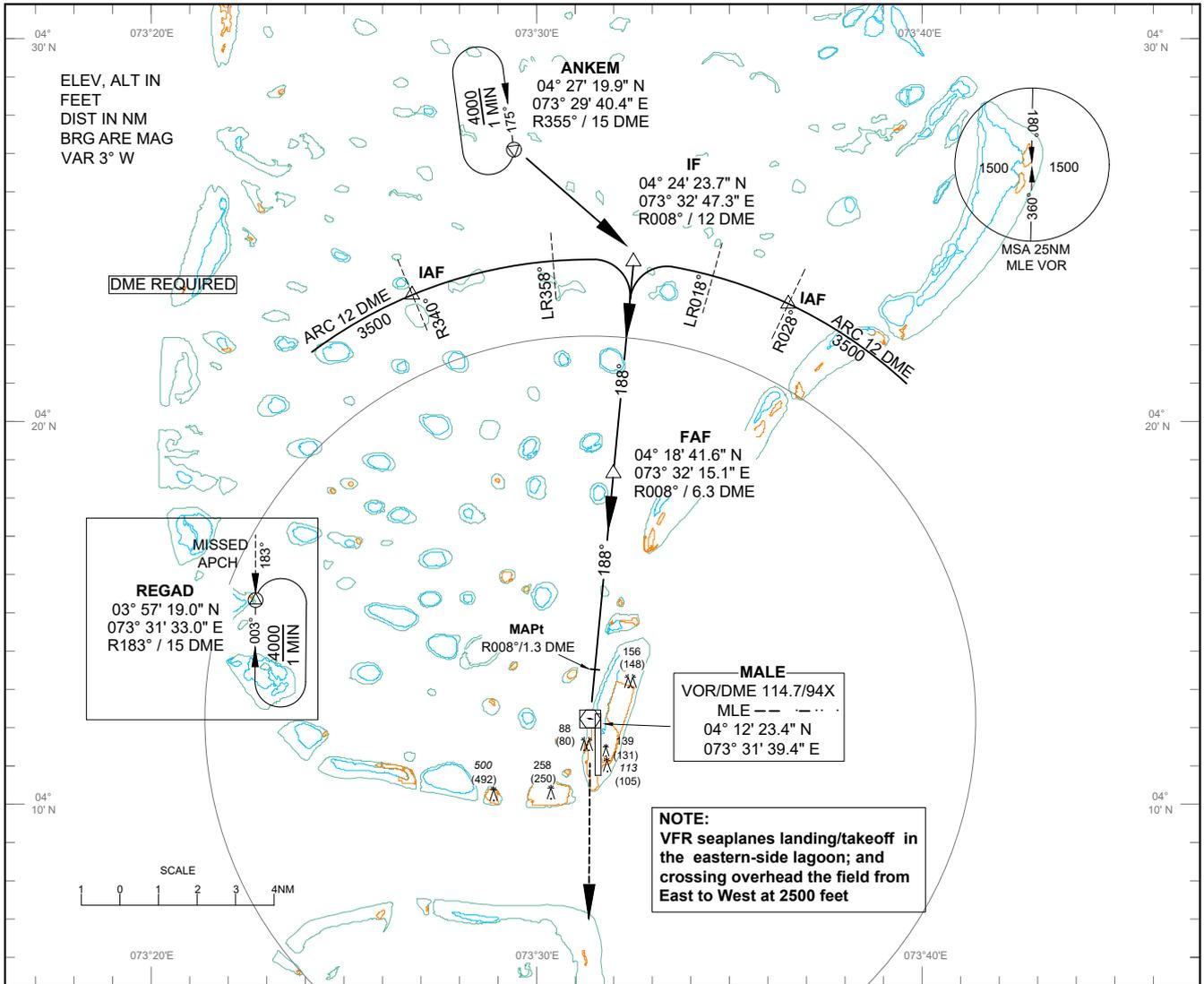
Aircraft Category	A	B	C	D
Straight-in OCA (H)	300 (292)			
Circling OCA (H)	550 (542)	Circling Not Authorised for B, C and D		
Distance (DME MLE)	5	4	3	2
Altitude (Ft)	1590	1280	960	640
Speed (KT)	70	120	150	185
Rate of Descend (ft/m)	370	635	795	980

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 18 - ELEV 8 FT

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
VOR X RWY 18



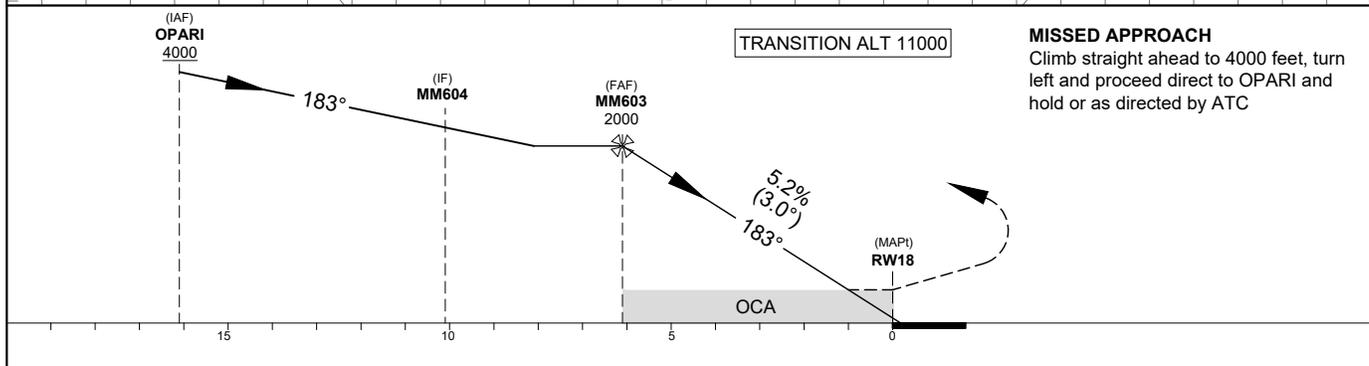
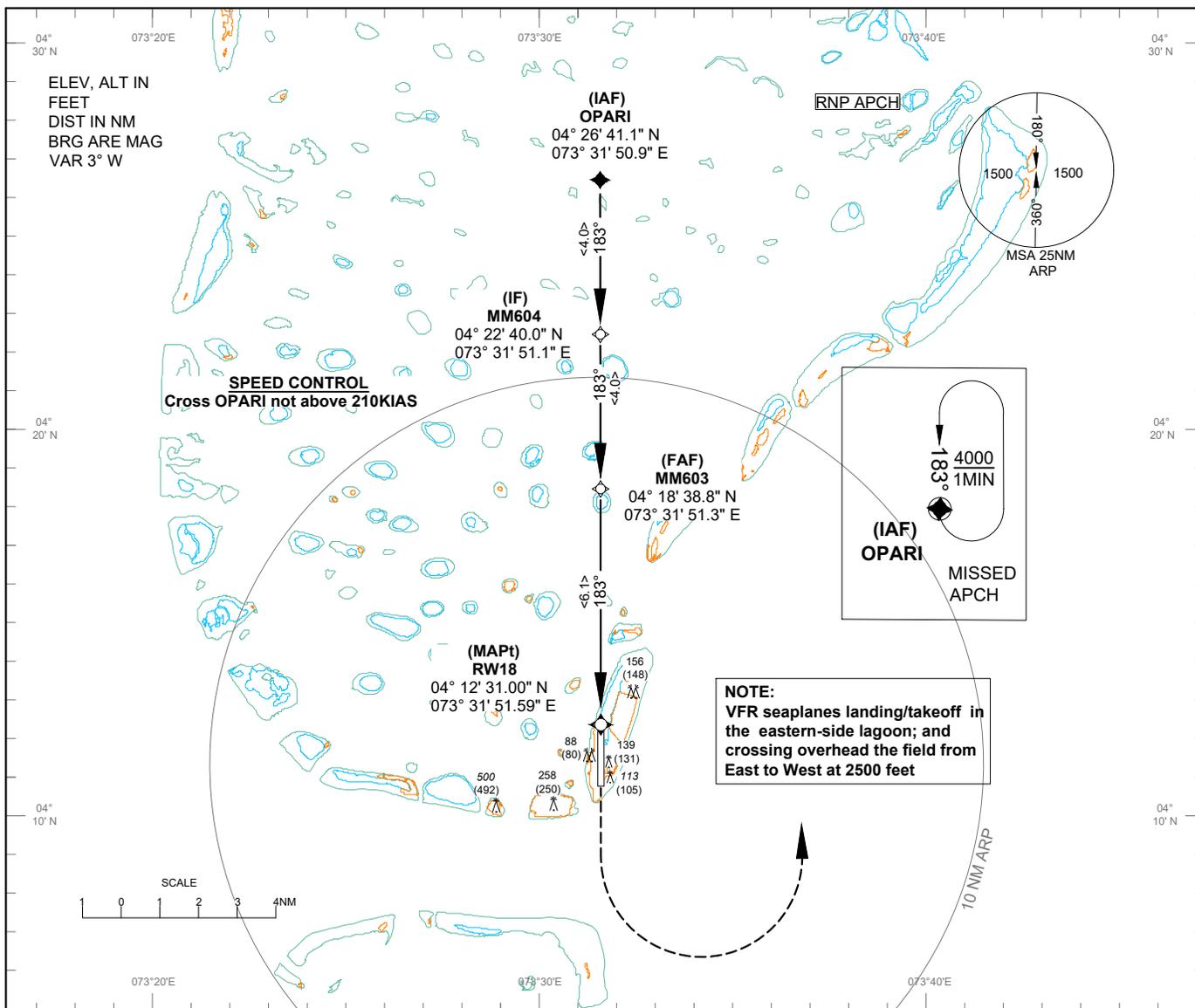
Aircraft Category	A	B	C	D
Straight-in OCA (H)	300 (292)			
Circling OCA (H)	550 (542)	Circling Not Authorised for B,C and D		
Distance (DME MLE)	5	4	3	2
Altitude (Ft)	1590	1280	960	640
Speed (KT)	70	120	150	185
Rate of Descent (ft/m)	370	635	795	980

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 18 - ELEV 8 FT  
MIN TEMP -15°C

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
RNP Z RWY 18



AIRCRAFT CATEGORY		A	B	C	D	
OCA (H)	LNAV/VNAV	260 (252)				
	LNAV	390 (382)				
DISTANCE TO THRESHOLD		5	4	3	2	1
ALTITUDE (HEIGHT)		1640	1320	1000	690	380

**RNP Z RWY 18**

**Tabular Description**

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	OPARI	-	-		-	A4000+	210	RNP APCH
02	TF	MM604	-	183	4	-	-	210	RNP APCH
03	TF	MM603	-	183	4	-	@2000	-	RNP APCH
04	TF	RW18	Y	183	6.1	-	-	-	RNP APCH
05	FA	RW18	-	183	-	L	A4000+	-	RNP APCH
06	DF	OPARI	Y	-	-	-	A4000+	-	RNP APCH
07	HM	OPARI	-	183	-	-	A4000+	-	RNP APCH

**Waypoint List**

Waypoint identifier	Coordinates
OPARI	N 04°26'41.1" E 73°31'50.9"
MM604	N 04°22'40.0" E 73°31'51.1"
MM603	N 04°18'38.8" E 73°31'51.3"
RW18	N 4°12'31.00"N E 073°31'51.59"

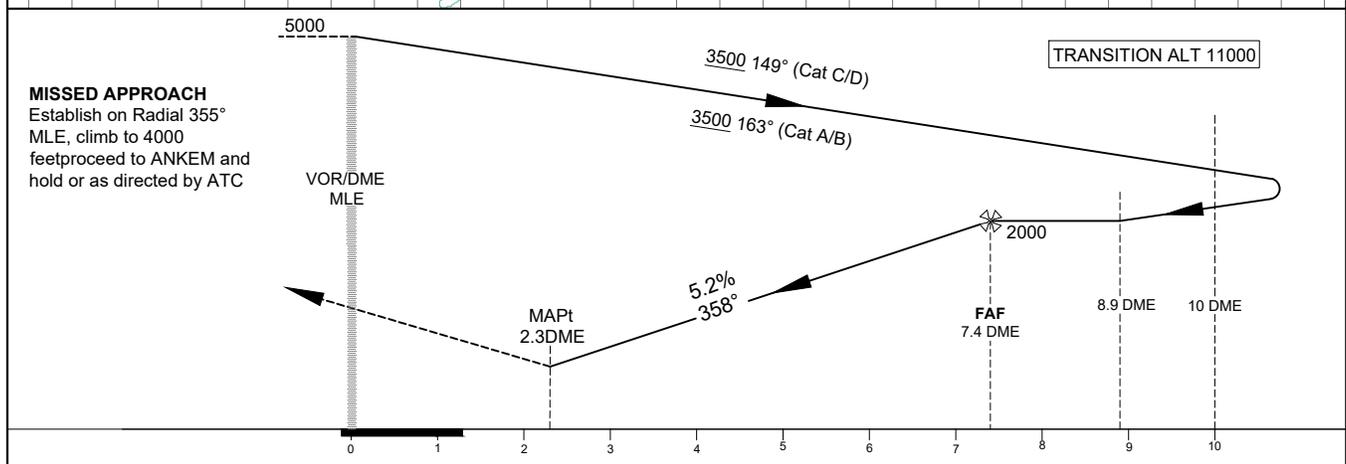
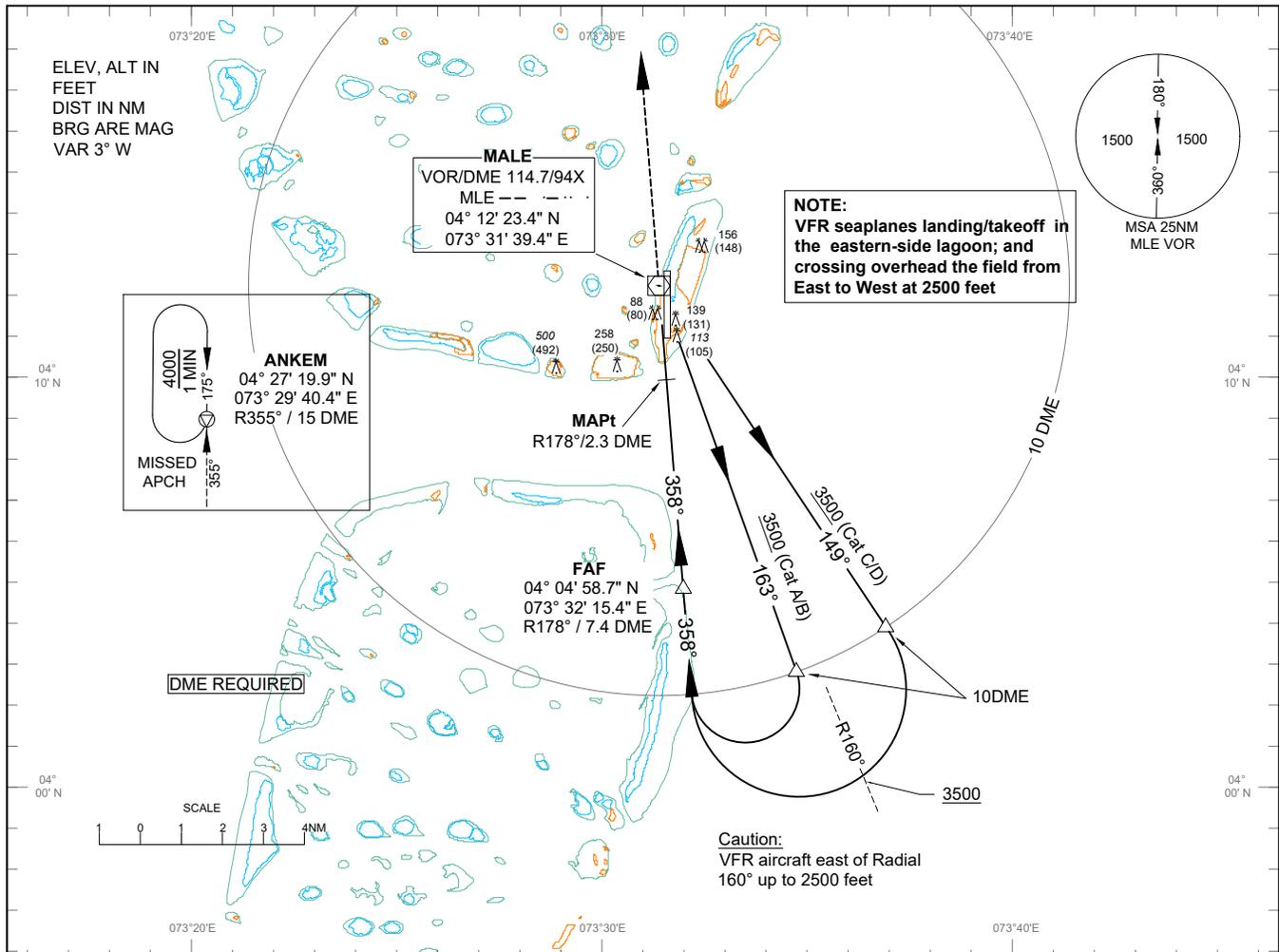
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**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 36 - ELEV 8 FT

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
VOR W RWY 36



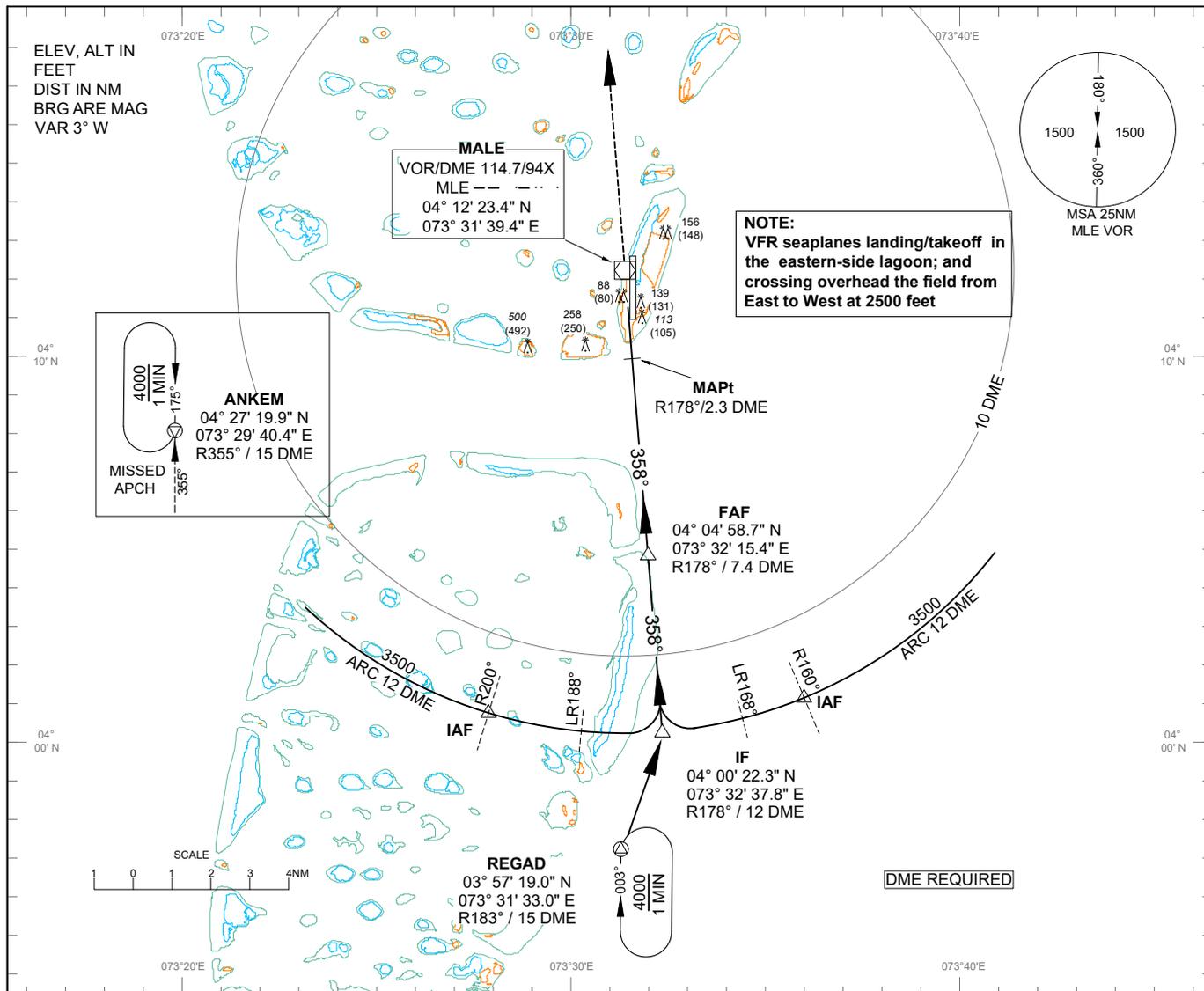
Aircraft Category	A	B	C	D
Straight-in OCA (H)	390 (382)			
Circling OCA (H)	550 (542)	Circling Not Authorised for B, C and D		
Distance (DME MLE)	3	4	5	6
Altitude (Ft)	590	910	1230	1540
Speed (KT)	70	120	150	185
Rate of Descent (ft/m)	370	635	795	980

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 36 - ELEV 8 FT

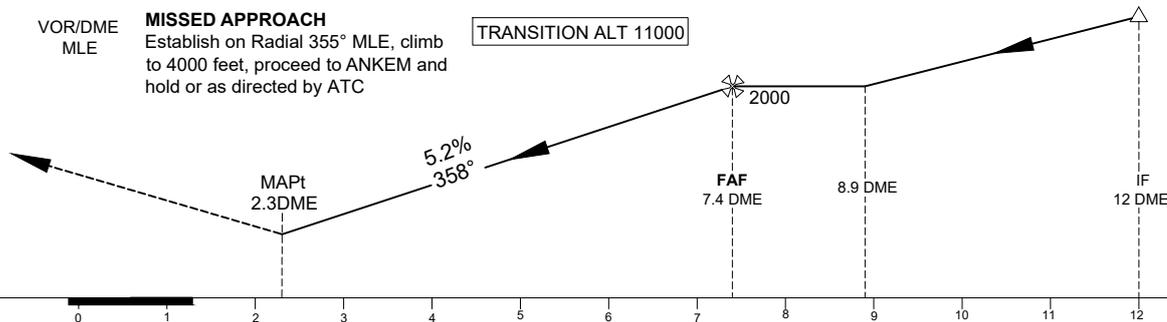
MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
VOR X RWY 36



**MISSED APPROACH**  
Establish on Radial 355° MLE, climb to 4000 feet, proceed to ANKEM and hold or as directed by ATC

TRANSITION ALT 11000



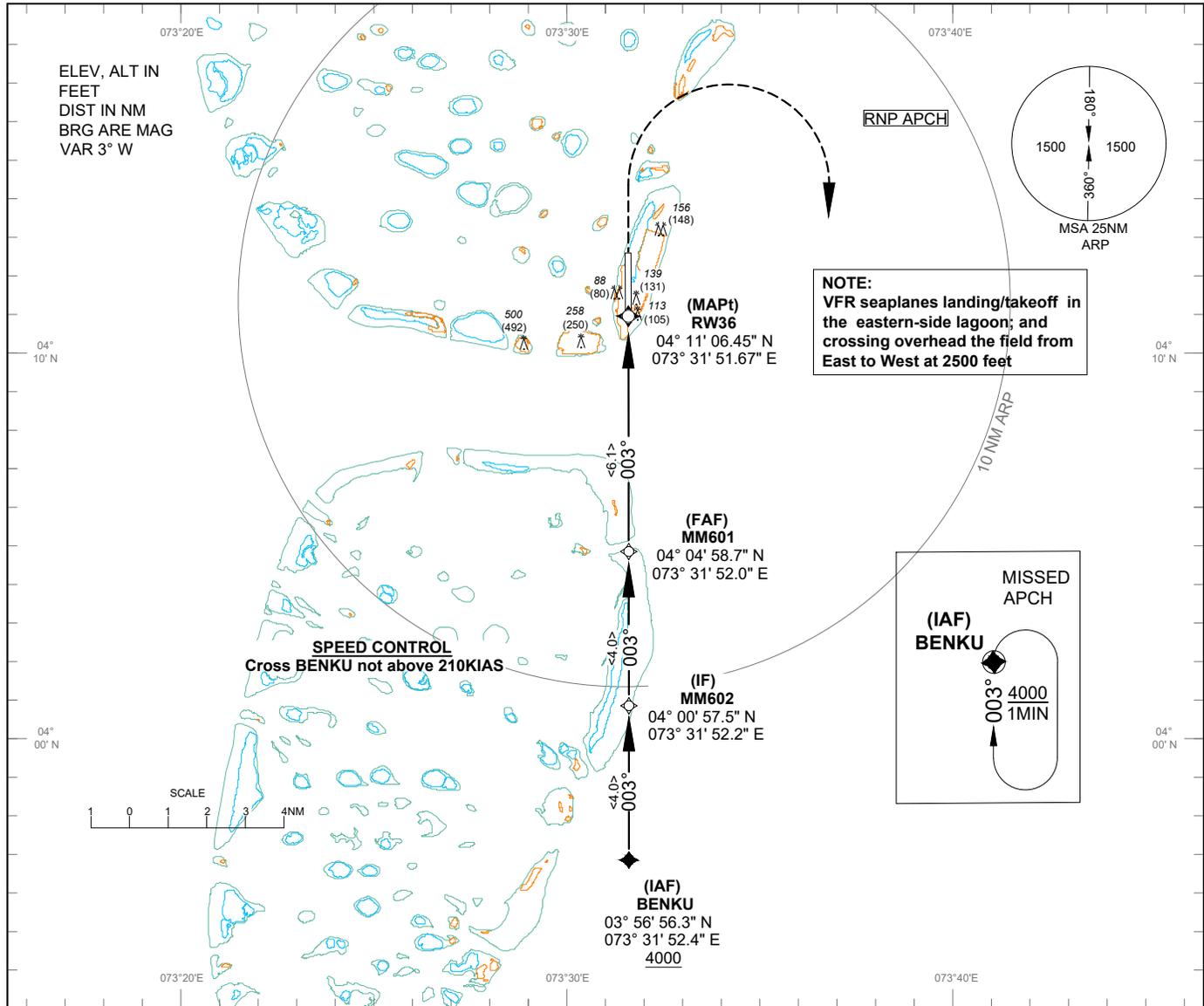
Aircraft Category	A	B	C	D
Straight-in OCA (H)		390 (382)		
Circling OCA (H)	550 (542)	Circling Not Authorised for B, C and D		
Distance (DME MLE)	3	4	5	6
Altitude (Ft)	590	910	1230	1540
Speed (KT)	70	120	150	185
Rate of Descend (ft/m)	370	635	795	980

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 36 - ELEV 8 FT  
MIN TEMP -15°C

MALE TWR 118.1  
MALE APP 119.7

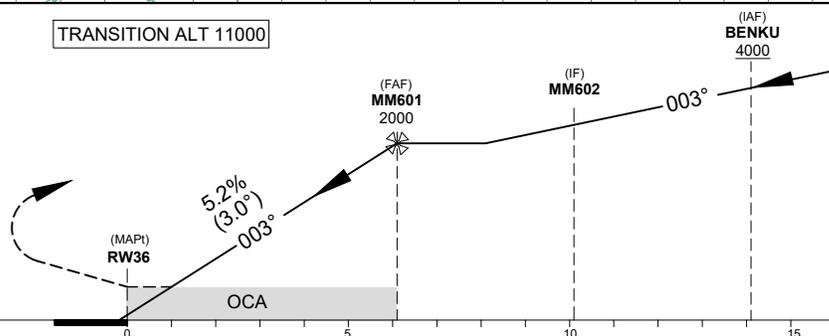
**MALE / Intl (VRMM)**  
RNP Z RWY 36



**MISSED APPROACH**

Climb straight ahead to 4000 feet, turn right and proceed direct to BENKU and hold or as directed by ATC

TRANSITION ALT 11000



AIRCRAFT CATEGORY		A	B	C	D	
OCA (H)	LNAV/VNAV	280 (272)			300 (292)	
	LNAV	390 (382)				
DISTANCE TO THRESHOLD		1	2	3	4	5
ALTITUDE (HEIGHT)		380	690	1000	1320	1640

**RNP Z RWY 36**

**Tabular Description**

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	BENKU	-	-		-	A4000+	210	RNP APCH
02	TF	MM602	-	003	4	-	-	210	RNP APCH
03	TF	MM601	-	003	4	-	@2000	-	RNP APCH
04	TF	RW36	Y	003	6.1	-	-	-	RNP APCH
05	FA	RWY36	-	003	-	R	A4000+	-	RNP APCH
06	DF	BENKU	Y	-	-	-	A4000+	-	RNP APCH
07	HM	BENKU	-	003	-	-	A4000+	-	RNP APCH

**Waypoint List**

Waypoint identifier	Coordinates
BENKU	N 03°56'56.3" E 73°31'52.4"
MM602	N 04°00'57.5" E 73°31'52.2"
MM601	N 04°04'58.7" E 73°31'52.0"
RW36	N 04°11'06.45" E 073°31'51.67"

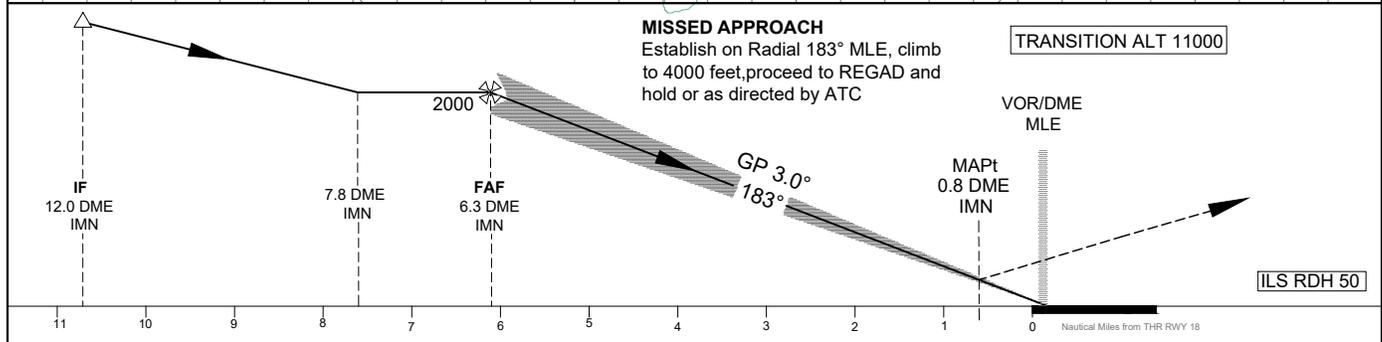
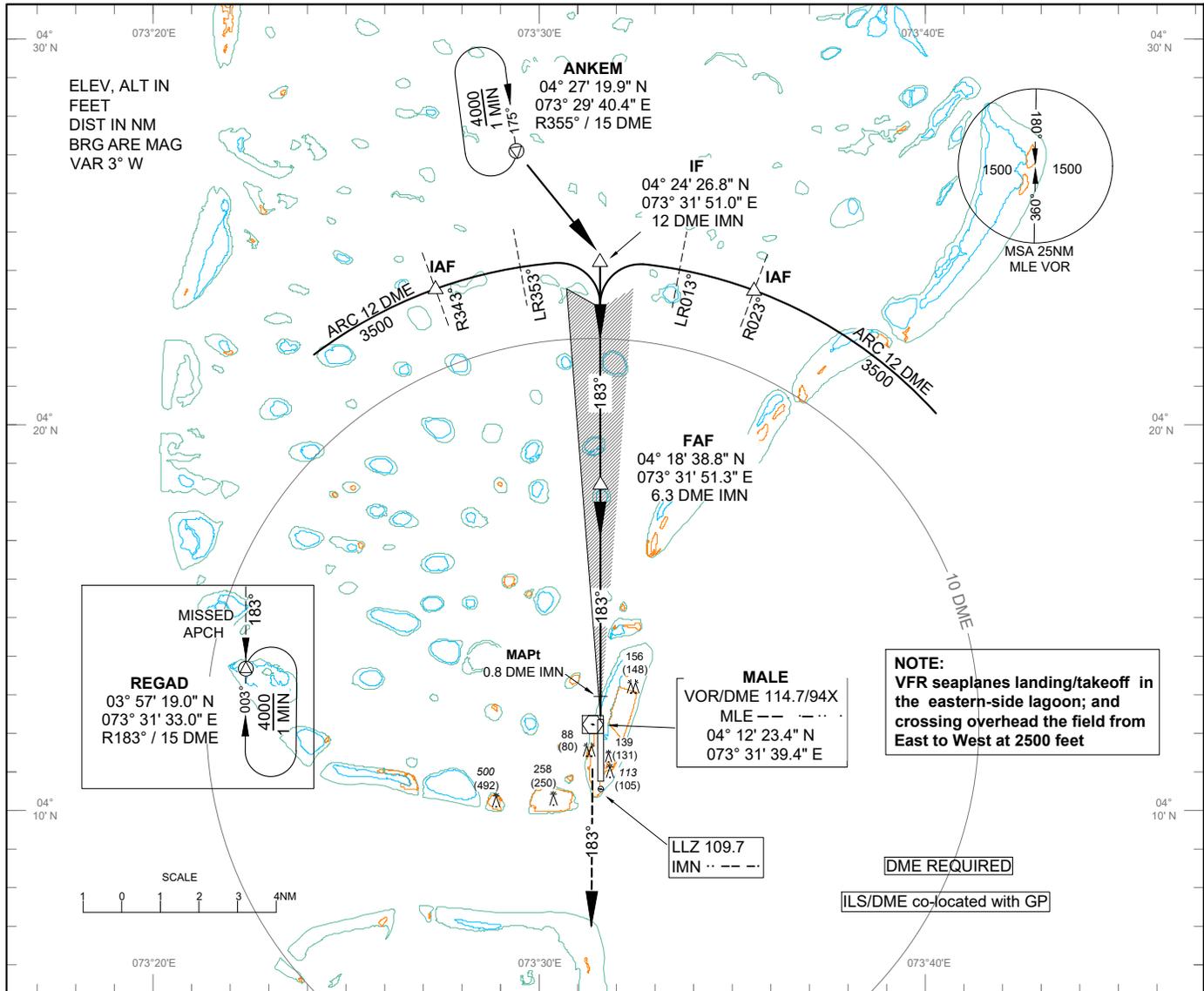
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**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 18 - ELEV 8 FT

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
ILS W RWY 18



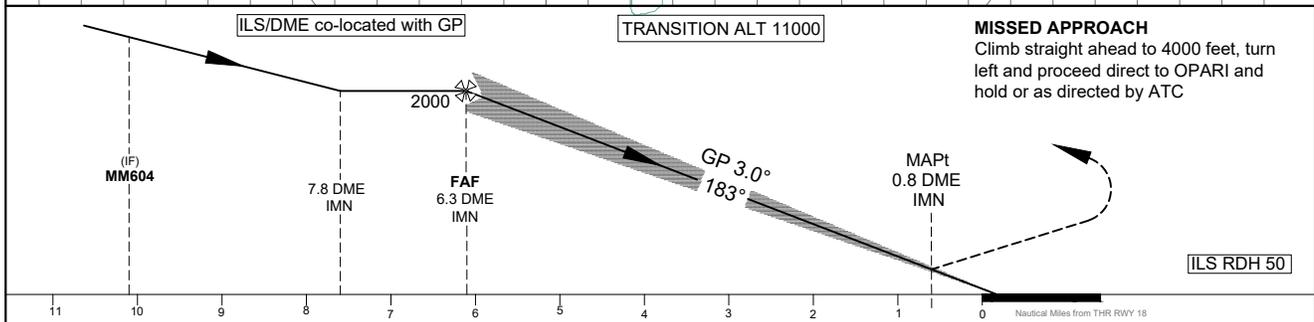
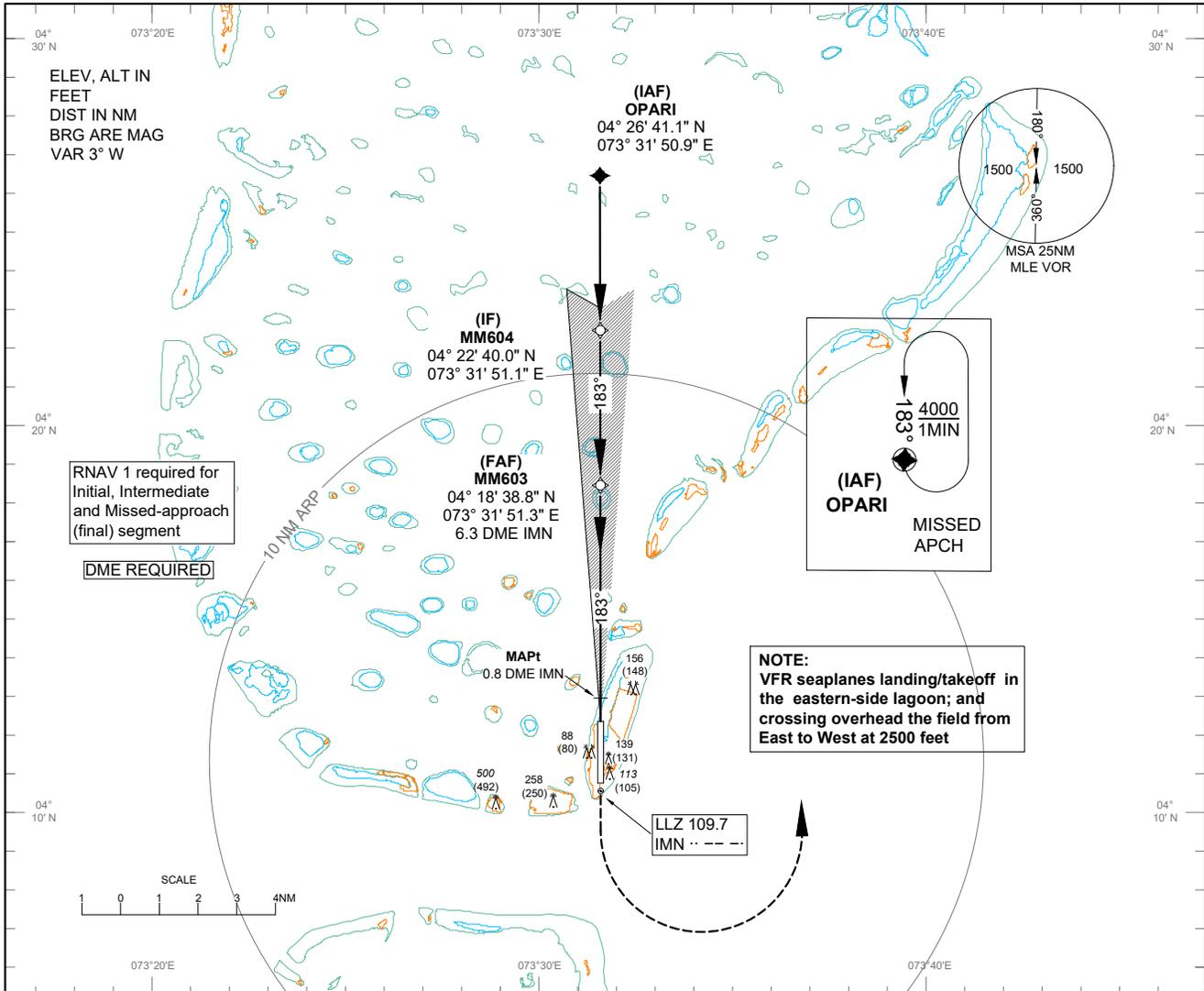
Aircraft Category		A	B	C	D	
OCA (H)	Straight-in	CAT 1 ILS	220 (212)			
		GP INOP	310 (302)			
	Circling	560 (552)	Circling Not Authorised for B, C and D			
Distance (DME IMN)		5	4	3	2	
Altitude (Ft)		1600	1280	960	640	
Speed (KT)		70	120	150	185	
Rate of Descend (ft/m)		370	635	795	980	

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 18 - ELEV 8 FT

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
ILS X RWY 18



Aircraft Category		A	B	C	D
OCA (H)	Straight-in	CAT 1 ILS	220 (212)		
		GP INOP	310 (302)		
	Circling	560 (552)	Circling Not Authorised for B, C and D		
Distance (DME IMN)		5	4	3	2
Altitude (Ft)		1600	1280	960	640
Speed (KT)		70	120	150	185
Rate of Descent (ft/m)		370	635	795	980

**ILS X RWY 18 (RNAV Transition)**

**Tabular Description**

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	OPARI	-	-		-	A4000+	210	RNAV 1
02	TF	MM604	-	183	4	-	-	210	RNAV 1
03	TF	MM603	-	183	4	-	@2000	-	RNAV 1
04	CF	MAPt	Y	183	5.5	-	220+	-	IMN
05	FA	-	-	183	-	L	A4000+	-	IMN
06	DF	OPARI	Y	-	-	-	A4000+	-	RNAV 1
07	HM	OPARI	-	183	-	-	A4000+	-	RNAV 1

**Waypoint List**

Waypoint identifier	Coordinates
OPARI (IAF)	N 04°26'41.1" E 73°31'50.9"
MM604 (IF)	N 04°22'40.0" E 73°31'51.1"
MM603 (FAP)	N 04°18'38.8" E 73°31'51.3"
RW18 (LTP)	N 4°12'31.00"N E 073°31'51.59"

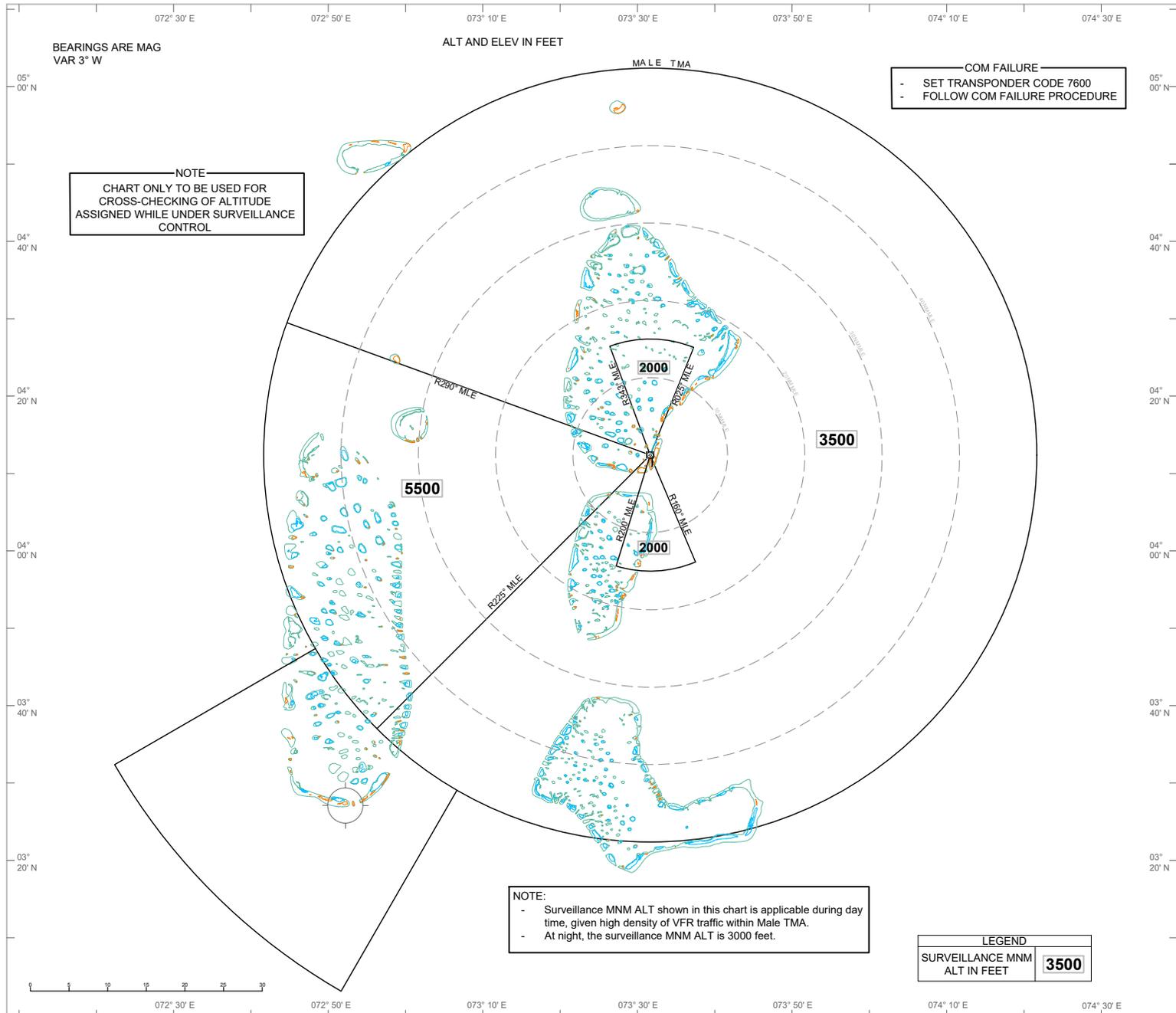
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ATC SURVEILLANCE MINIMUM  
ALTITUDE CHART - ICAO

AERODROME ELEV 8 feet  
TRANSITION ALT 11000 feet

APP 119.7

MALE / Intl (VRMM)

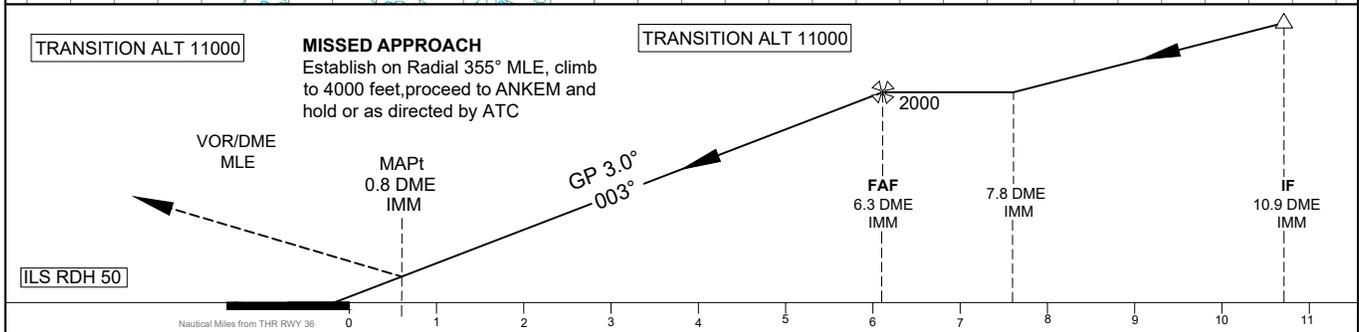
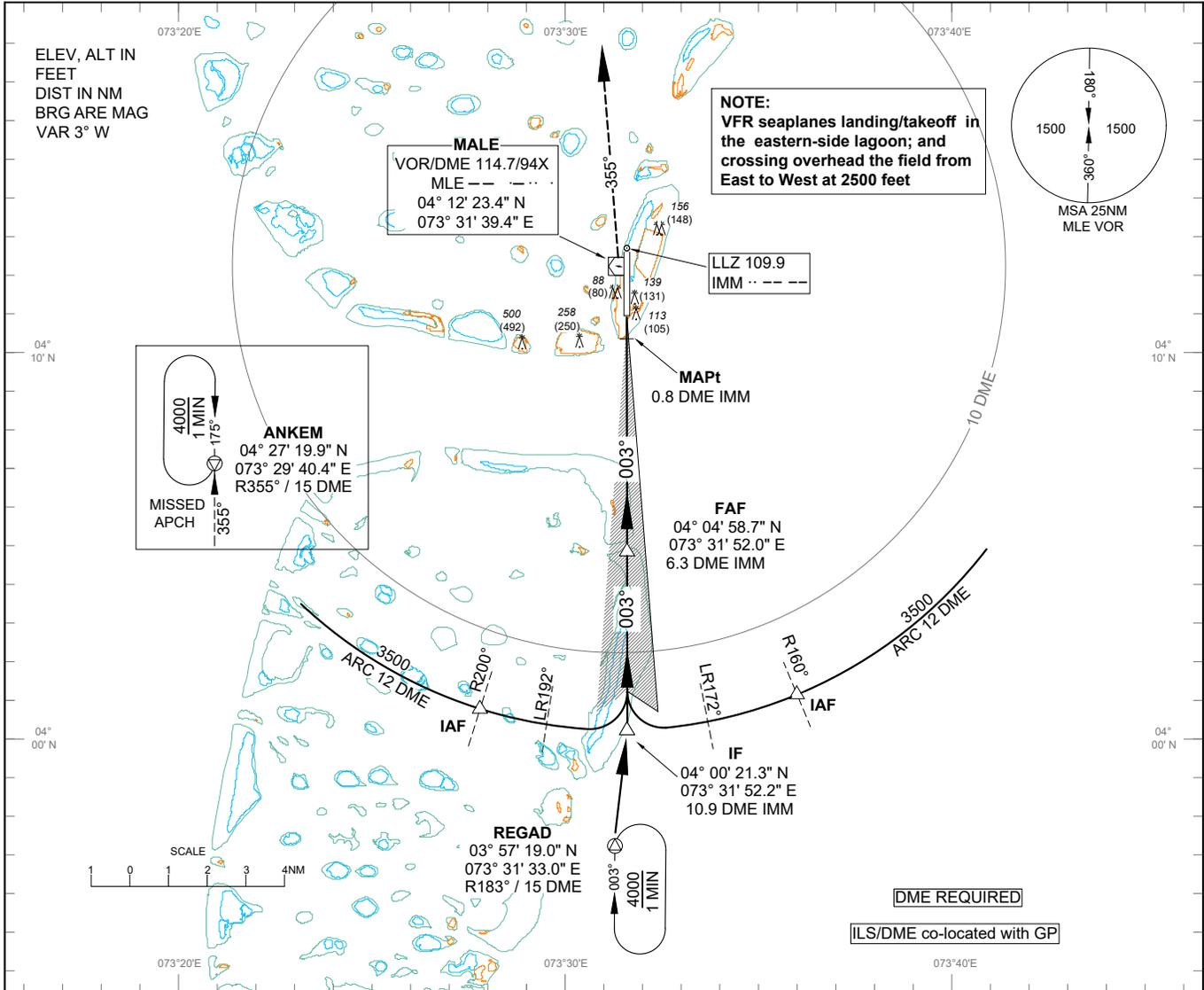


**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 36 - ELEV 8 FT

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
ILS W RWY 36



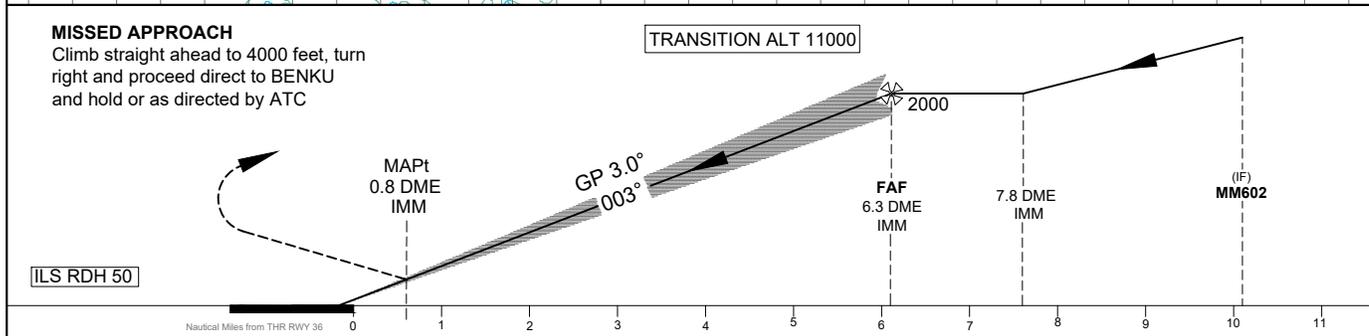
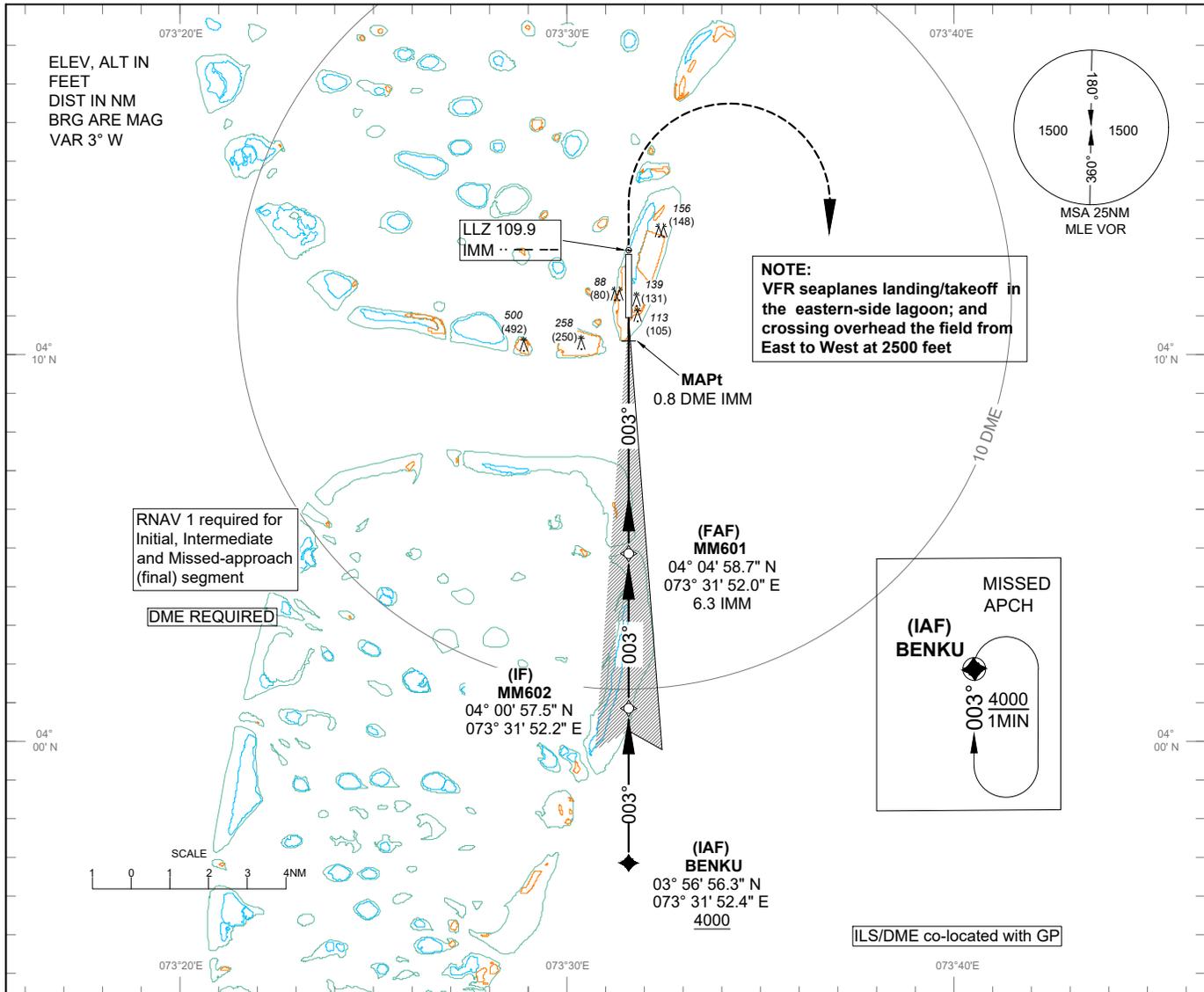
Aircraft Category		A	B	C	D
OCA (H)	Straight-in	CAT 1 ILS	220 (212)		
		GP INOP	310 (302)		
	Circling	560 (552)	Circling Not Authorised for B, C and D		
<b>Distance (DME IMM)</b>		2	3	4	5
<b>Altitude (Ft)</b>		640	960	1280	1600
<b>Speed (KT)</b>		70	120	150	185
<b>Rate of Descent (ft/m)</b>		370	635	795	980

**INSTRUMENT  
APPROACH  
CHART - ICAO**

AERODROME ELEV 8 FT  
HEIGHT RELATED TO  
THR RWY 36 - ELEV 8 FT

MALE TWR 118.1  
MALE APP 119.7

**MALE / Intl (VRMM)**  
ILS X RWY 36



Aircraft Category		A	B	C	D
OCA (H)	Straight-in	CAT 1 ILS	220 (212)		
		GP INOP	310 (302)		
	Circling	560 (552)	Circling Not Authorised for B, C and D		
Distance (DME IMM)		2	3	4	5
Altitude (Ft)		640	960	1280	1600
Speed (KT)		70	120	150	185
Rate of Descend (ft/m)		370	635	795	980

**ILS X RWY 36 (RNAV Transition)**

**Tabular Description**

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	BENKU	-	-		-	A4000+	210	RNAV 1
02	TF	MM602	-	003	4	-	-	210	RNAV 1
03	TF	MM601	-	003	4	-	@2000	-	RNAV 1
04	CF	MAPt	Y	003	5.5	-	220+	-	IMM
05	FA	-	-	003	-	R	A4000+	-	IMM
06	DF	BENKU	Y	-	-	-	A4000+	-	RNAV 1
07	HM	BENKU	-	003	-	-	A4000+	-	RNAV 1

**Waypoint List**

Waypoint identifier	Coordinates
BENKU (IAF)	N 03°56'56.3" E 73°31'52.4"
MM602 (IF)	N 04°00'57.5" E 73°31'52.2"
MM601 (FAP)	N 04°04'58.7" E 73°31'52.0"
RW36 (LTP)	N 04°11'06.45" E 073°31'51.67"

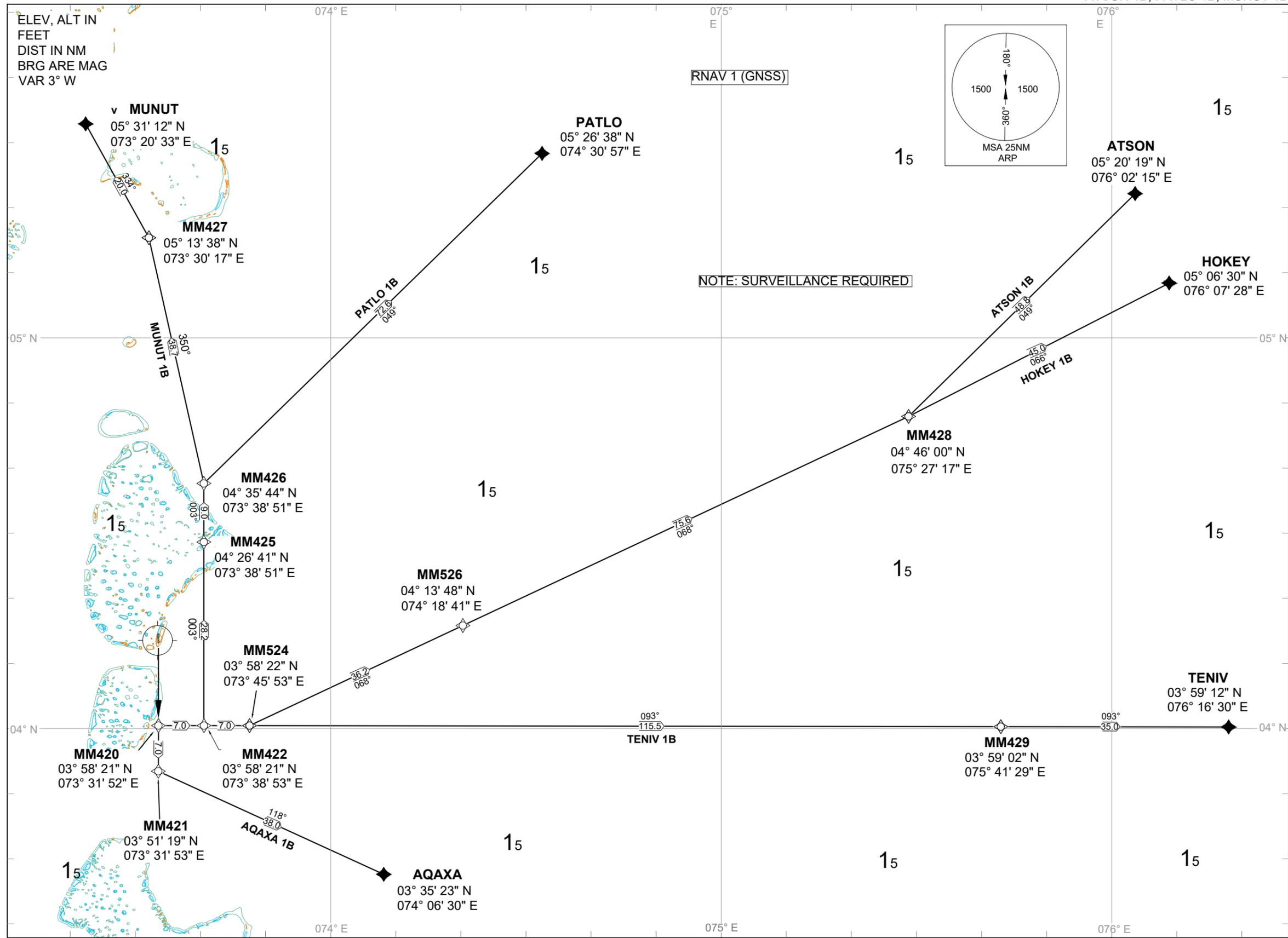
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**STANDARD DEPARTURE CHART –  
INSTRUMENT (SID) – ICAO**

TRANSITIONAL ALTITUDE  
11,000 FEET

TWR 118.1  
APP 119.7  
ACC 123.9

**MALE /INTL (VRMM)  
RWY 18**  
AQAXA 1B, TENIV 1B, HOKEY 1B,  
ATSON 1B, PATLO 1B, MUNUT 1B



**TEXTUAL DESCRIPTION OF RWY 18 SID 1****1. AQAXA 1B (DEPARTURE)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	-	5000+	-	RNAV 1
02	TF	MM421	-	183	7.0	L	-	-	RNAV 1
03	TF	AQAXA	-	183	38.0	-	-	-	RNAV 1

## 1.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM621	035119N 0733153E
AQAXA	033523N 0740630E

## 1.3 Formal and abbreviated descriptions

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft. To MM421, left turn. To AQAXA	MM420 [M183; A5000+]	CF	N
	MM421 [L]	TF	N
	AQAXA	TF	N

**2. TENIV 1B (DEPARTURE)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	L	5000+	-	RNAV 1
02	TF	MM422	-	093	7.0	-	-	-	RNAV 1
03	TF	MM524	-	093	7.0	-	-	-	RNAV 1
04	TF	MM429	-	093	115.5	-	-	-	RNAV 1
05	TF	TENIV	-	093	35.0	-	-	-	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM422	035821N 0733853E
MM524	035822N 0734553E
MM429	035902N 0754129E
TENIV	035912N 0761630E

2.3 Formal and abbreviated descriptions

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft. To MM422. To MM524. To MM429. To TENV	MM420 [M183; A5000+; L]	CF	N
	MM422	TF	N
	MM524	TF	N
	MM429	TF	N
	TENV	TF	N

3. HOKEY 1B (DEPARTURE)

3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	L	5000+	-	RNAV 1
02	TF	MM422	-	093	7.0	-	-	-	RNAV 1
03	TF	MM524	-	093	7.0	L	-	-	RNAV 1
04	TF	MM526	-	068	36.2	-	-	-	RNAV 1
05	TF	MM428	-	068	75.6	L	-	-	RNAV 1
06	TF	HOKEY	-	066	45.0	-	-	-	RNAV 1

3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM422	035821N 0733853E
MM524	035822N 0734553E
MM526	041348N 0741841E
MM428	044600N 0752717E
HOKEY	050630N 0760728E

3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn left. To MM422. To MM524, turn left. To MM526. To MM428, turn left. To HOKEY	MM420 [M183; A5000+; L]	CF	N
	MM422	TF	N
	MM524 [L]	TF	N
	MM526	TF	N
	MM428 [L]	TF	N
	HOKEY	TF	N

**4. ATSON 1B (DEPARTURE)**

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	L	5000+	-	RNAV 1
02	TF	MM422	-	093	7.0	-	-	-	RNAV 1
03	TF	MM524	-	093	7.0	L	-	-	RNAV 1
04	TF	MM526	-	068	36.2	-	-	-	RNAV 1
05	TF	MM428	-	068	75.6	L	-	-	RNAV 1
06	TF	ATSON	-	049	48.8	-	-	-	RNAV 1

## 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM422	035821N 0733853E
MM524	035822N 0734553E
MM526	041348N 0741841E
MM428	044600N 0752717E
ATSON	052019N 0760215E

## 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn left. To MM422. To MM524, turn left. To MM526. To MM428, turn left. To ATSON	MM420 [M183; A5000+; L]	CF	N
	MM422	TF	N
	MM524 [L]	TF	N
	MM526	TF	N
	MM428 [L]	TF	N
	ATSON	TF	N

**5. PATLO 1B (DEPARTURE)**

## 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	L	5000+	-	RNAV 1
02	TF	MM422	-	093	7.0	L	-	-	RNAV 1
03	TF	MM425	-	003	28.2	-	-	-	RNAV 1
04	TF	MM426	-	003	9.0	R	-	-	RNAV 1
05	TF	PATLO	-	049	72.6	-	-	-	RNAV 1

5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM422	035821N 0733853E
MM425	042641N 0733851E
MM426	043544N 0733851E
PATLO	052638N 0743057E

5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn left. To MM422, turn left. To MM425. To MM426, turn right. To PATLO.	MM420 [M183; A5000+; L]	CF	N
	MM422 [L]	TF	N
	MM425	TF	N
	MM426 [R]	TF	N
	PATLO	TF	N

6. **MUNUT 1B (DEPARTURE)**

6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	L	5000+	-	RNAV 1
02	TF	MM422	-	093	7.0	L	-	-	RNAV 1
03	TF	MM425	-	003	28.2	-	-	-	RNAV 1
04	TF	MM426	-	003	9.0	L	-	-	RNAV 1
05	TF	MM427	-	350	38.7	L	-	-	RNAV 1
06	TF	MUNUT	-	334	20.0	-	-	-	RNAV 1

6.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM422	035821N 0733853E
MM425	042641N 0733851E
MM426	043544N 0733851E
MM427	051338N 0733017E
MUNUT	053112N 0732033E

6.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn left. To MM422, turn left. To MM425. To MM426, turn left. To MM427, turn left. To MUNUT.	MM420 [M183; A5000+; L]	CF	N
	MM422 [L]	TF	N
	MM425	TF	N
	MM426 [L]	TF	N
	MM427 [L]	TF	N
	MUNUT	TF	N

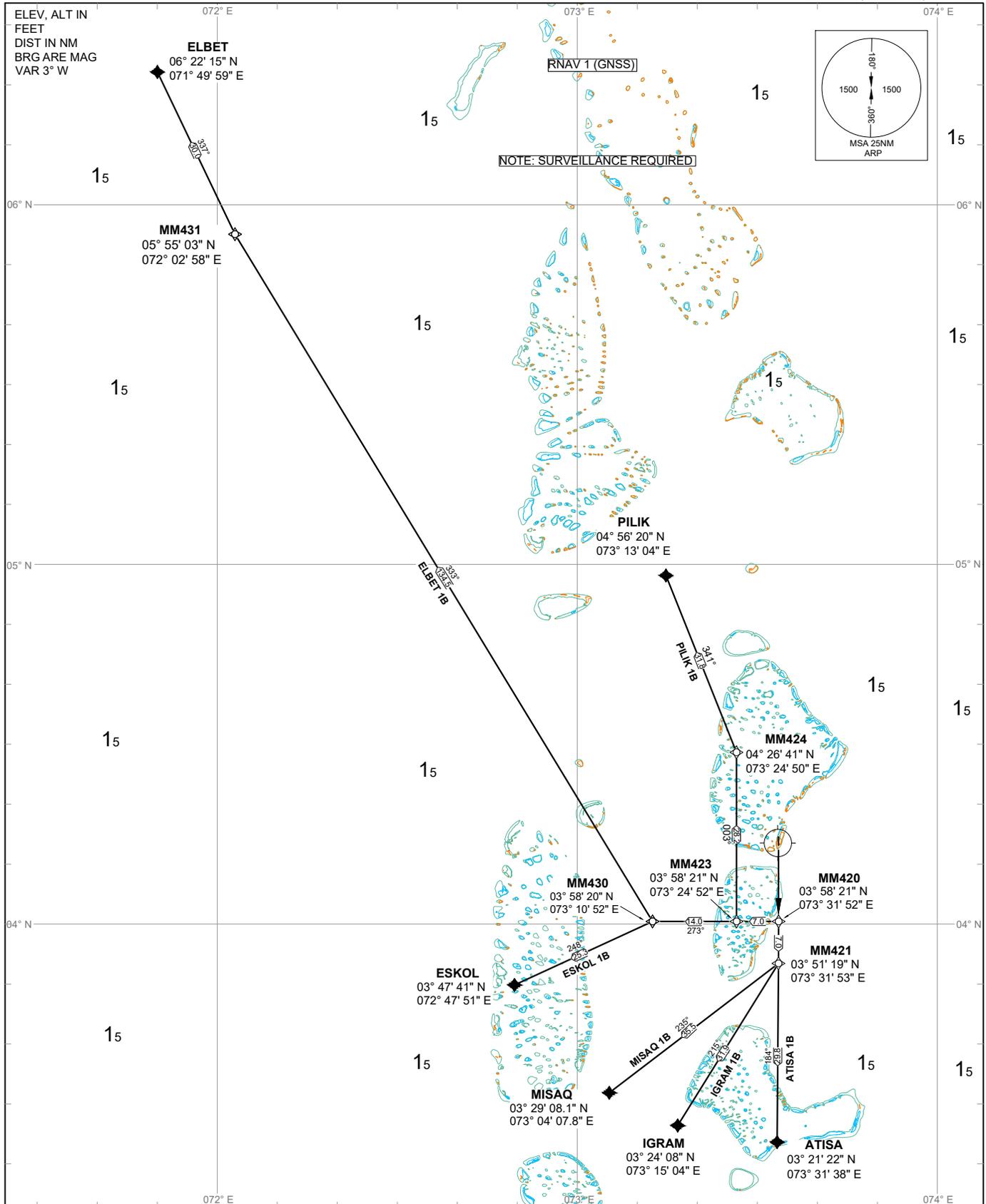
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STANDARD DEPARTURE CHART –  
INSTRUMENT (SID) – ICAO

TRANSITIONAL ALTITUDE  
11,000 FEET

TWR 118.1  
APP 119.7  
ACC 123.9

MALE /INTL (VRMM)  
RWY 18  
ATISA 1B, IGRAM 1B, MISAQ 1B,  
ESKOL 1B, ELBET 1B, PILIK 1B



**TEXTUAL DESCRIPTION OF RWY 18 SID 2****1. ATISA 1B (DEPARTURE)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	-	+5000	-	RNAV 1
02	TF	MM421	-	183	7.0	-	-	-	RNAV 1
03	TF	ATISA	-	183	29.8	-	-	-	RNAV 1

## 1.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM421	035119N 0733153E
ATISA	032122N 0733138E

## 1.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft. To MM421. To ATISA.	MM420 [M183; A5000+]	CF	N
	MM421	TF	N
	ATISA	TF	N

**2. IGRAM 1B (DEPARTURE)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	-	+5000	-	RNAV 1
02	TF	MM421	-	183	7.0	R	-	-	RNAV 1
03	TF	IGRAM	-	215	31.9	-	-	-	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM421	035119N 0733153E
IGRAM	032408N 0731504E

## 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft. To MM421, right turn. To IGRAM.	MM420 [M183; A5000+]	CF	N
	MM421 [R]	TF	N
	IGRAM	TF	N

## 3. MISAQ 1B (DEPARTURE)

## 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	-	+5000	-	RNAV 1
02	TF	MM421	-	183	7.0	R	-	-	RNAV 1
03	TF	MISAQ	-	235	35.5	-	-	-	RNAV 1

## 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM421	035119N 0733153E
MISAQ	032908.1N 0730407.8E

## 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft. To MM421, turn right. To MISAQ.	MM420 [M183; A5000+]	CF	N
	MM421 [R]	TF	N
	MISAQ	TF	N

## 4. ESKOL 1B (DEPARTURE)

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	R	+5000	-	RNAV 1
02	TF	MM423	-	273	7.0	-	-	-	RNAV 1
03	TF	MM430	-	273	14.0	L	-	-	RNAV 1
04	TF	ESKOL	-	248	25.3	-	-	-	RNAV 1

#### 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM423	035821N 0732452E
MM430	035820N 0731052E
ESKOL	034741N 0724751E

#### 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn right. To MM423. To MM430, turn left. To ESKOL.	MM420 [M183; A5000+; R]	CF	N
	MM423	TF	N
	MM430[L]	TF	N
	ESKOL	TF	N

### 5. ELBET 1B (DEPARTURE)

#### 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	R	+5000	-	RNAV 1
02	TF	MM423	-	273	7.0	-	-	-	RNAV 1
03	TF	MM430	-	273	14.0	R	-	-	RNAV 1
04	TF	MM431	-	333	134.5	-	-	-	RNAV 1
05	TF	ELBET		337	30.0	-	-	-	RNAV 1

#### 5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM423	035821N 0732452E
MM430	035820N 0731052E
MM431	055503N 0720258E
ELBET	062215N 0714959E

#### 5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn right. To MM423. To MM430, turn right. To MM431. To ELBET.	MM420 [M183; A5000+; R]	CF	N
	MM423	TF	N
	MM430[R]	TF	N
	MM431	TF	N
	ELBET	TF	N

## 6. PILIK 1B (DEPARTURE)

### 6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM420	-	183	-	R	+5000	-	RNAV 1
02	TF	MM423	-	273	7.0	R	-	-	RNAV 1
03	TF	MM424	-	003	28.2	L	-	-	RNAV 1
04	TF	PILIK	-	341	31.8	-	-	-	RNAV 1

### 6.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM420	035821N 0733152E
MM423	035821N 0732452E
MM424	042641N 0732450E
PILIK	045620N 0731304E

### 6.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM420 on course 183°, above 5000ft, turn right. To MM423, turn right. To MM424, turn left. To PILIK.	MM420 [M183; A5000+; R]	CF	N
	MM423[R]	TF	N
	MM424[L]	TF	N
	PILIK	TF	N



**TEXTUAL DESCRIPTION OF RWY36 SID 2****1. ELBET 1A (DEPARTURE)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	L	+5000	-	RNAV 1
02	TF	MM507	-	322	21.3	-	-	-	RNAV 1
03	TF	MM411	-	322	99.2	-	-	-	RNAV 1
04	TF	ELBET	-	322	34.0	-	-	-	RNAV 1

## 6.4 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM507	044126N 0731752E
MM411	055632N 0721228E
ELBET	062215N 0714959E

## 6.5 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft, turn left. To MM507. To MM411. To ELBET.	MM400 [M003; A5000+; L]	CF	N
	MM507	TF	N
	MM411	TF	N
	ELBET	TF	N

**2. ESKOL 1A (DEPARTURE)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	L	+5000	-	RNAV 1
02	TF	MM403	-	273	7.0	-	-	-	RNAV 1
03	TF	MM406	-	273	14.0	L	-	-	RNAV 1
04	TF	ESKOL	-	215	43.9	-	-	-	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM403	042519N 0732450E
MM406	042519N 0731049E
ESKOL	034741N 0724751E

## 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft, turn left. To MM403. To MM406, turn left. To ESKOL.	MM400 [M003; A5000+; L]	CF	N
	MM403	TF	N
	MM406[L]	TF	N
	ESKOL	TF	N

## 3. MISAQ 1A (DEPARTURE)

## 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	L	+5000	-	RNAV 1
02	TF	MM403	-	273	7.0	L	-	-	RNAV 1
03	TF	MM505	-	183	28.2	-	-	-	RNAV 1
04	TF	MM404	-	183	7.0	R	-	-	RNAV 1
05	TF	MISAQ	-	228	29.3	-	-	-	RNAV 1

## 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM403	042519N 0732450E
MM505	035656N 0732452E
MM404	034954N 0732452E
MISAQ	032908.1N 0730407.8E

## 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft, turn left. To MM403, turn left. To MM505. To MM404, turn right. To MISAQ.	MM400 [M003; A5000+; L]	CF	N
	MM403[L]	TF	N
	MM505	TF	N
	MM404[R]	TF	N
	MISAQ	TF	N

## 4. IGRAM 1A (DEPARTURE)

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	L	+5000	-	RNAV 1
02	TF	MM403	-	273	7.0	L	-	-	RNAV 1
03	TF	MM505	-	183	28.2	-	-	-	RNAV 1
04	TF	MM404	-	183	7.0	R	-	-	RNAV 1
05	TF	IGRAM	-	204	27.4	-	-	-	RNAV 1

## 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM403	042519N 0732450E
MM505	035656N 0732452E
MM404	034954N 0732452E
IGRAM	032408N 0731504E

## 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft, turn left. To MM403, turn left. To MM505. To MM404, turn right. To IGRAM.	MM400 [M003; A5000+; L]	CF	N
	MM403[L]	TF	N
	MM505	TF	N
	MM404[R]	TF	N
	IGRAM	TF	N

## 5. MUNUT 1A (DEPARTURE)

## 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	L	+5000	-	RNAV 1
02	TF	MM405	-	352	14.0	-	-	-	RNAV 1
03	TF	KAGUM	-	352	22.6	-	-	-	RNAV 1
04	TF	MUNUT	-	352	30.0	-	-	-	RNAV 1

## 5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM405	043907N 0732908E
KAGUM	050121N 0732446E
MUNUT	053112N 0732033E

## 5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft, turn left. To MM405. To KAGUM. To MUNUT.	MM400 [M003; 5000+; L]	CF	N
	MM405	TF	N
	KAGUM	TF	N
	MUNUT	TF	N

## 6. PILIK 1A (DEPARTURE)

### 6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	L	+5000	-	RNAV 1
02	TF	MM405	-	352	14.0	L	-	-	RNAV 1
03	TF	PILIK	-	320	23.5	-	-	-	RNAV 1

### 5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM405	043907N 0732908E
PILIK	045620N 0731304E

### 5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft, turn left. To MM405, turn left to PILIK.	MM400 [M003; A5000+; L]	CF	N
	MM405[L]	TF	N
	PILIK	TF	N



**TEXTUAL DESCRIPTION OF RWY36 SID 1****1. PATLO 1A (DEPARTURE)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	R	+5000	-	RNAV 1
02	TF	MM407	-	44	14.9	-	-	-	RNAV 1
03	TF	MM410	-	44	50.4	R	-	-	RNAV 1
04	TF	PATLO	-	58	20.0	-	-	-	RNAV 1

## 1.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM407	043638N 0734131E
MM410	051510N 0741430E
PATLO	052638N 0743057E

## 1.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003°, above 5000ft. To MM407. To MM410, turn right. To PATLO.	MM400 [M003; A5000+; R]	CF	N
	MM407	TF	N
	MM410[R]	TF	N
	PATLO	TF	N

**2. ATSON 1A (DEPARTURE)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	R	+5000	-	RNAV 1
02	TF	MM401	-	093	7.0	-	-	-	RNAV 1
03	TF	MM504	-	093	7.0	L	-	-	RNAV 1
04	TF	DOPDO	-	80	32.3	L	-	-	RNAV 1
05	TF	MM409	-	69	85.0	-	-	-	RNAV 1
06	TF	ATSON	-	69	30.0	-	-	-	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM401	042519N 0733851E
MM504	042519N 0734552E
DOPDO	043229N 0741722E
MM409	050752N 0753452E
ATSON	052019N 0760215E

## 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003° above 5000ft, turn right. To MM401. To MM504, turn left. To DOPDO. To MM409. To ATSON.	MM400 [M003; A5000+; R]	CF	N
	MM401	TF	N
	MM504[L]	TF	N
	DOPDO[L]	TF	N
	MM409	TF	N
	ATSON	TF	N

## 3. HOKEY 1A (DEPARTURE)

### 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	R	+5000	-	RNAV 1
02	TF	MM401	-	093	7.0	-	-	-	RNAV 1
03	TF	MM504	-	093	7.0	L	-	-	RNAV 1
04	TF	DOPDO	-	80	32.3	L	-	-	RNAV 1
05	TF	MM408	-	76	52.8	-	-	-	RNAV 1
06	TF	MM510	-	76	32.2	-	-	-	RNAV 1
07	TF	HOKEY	-	76	30.0	-	-	-	RNAV 1

### 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM401	042519N 0733851E
MM504	042519N 0734552E
DOPDO	043229N 0741722E
MM408	044808N 0750753E
MM510	045740N 0753843E
HOKEY	050630N 0760728E

## 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003° above 5000ft, turn right. To MM401. To MM504, turn left. To DOPDO, turn left. To MM408. To MM510. To HOKEY.	MM400 [M003; A5000+; R]	CF	N
	MM401	TF	N
	MM504[L]	TF	N
	DOPDO[L]	TF	N
	MM408	TF	N
	MM510	TF	N
	HOKEY	TF	N

## 4. TENIV 1A (DEPARTURE)

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	R	+5000	-	RNAV 1
02	TF	MM401	-	093	7.0	-	-	-	RNAV 1
03	TF	MM504	-	093	7.0	R	-	-	RNAV 1
04	TF	MM508	-	103	44.0	-	-	-	RNAV 1
05	TF	TENIV	-	103	109	-	-	-	RNAV 1

## 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM401	042519N 0733851E
MM504	042519N 0734552E
MM508	041751N 0742914E
TENIV	035912N 0761630E

## 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003° above 5000ft, turn right. To MM401. To MM504, turn right. To MM508. To TENIV.	MM400 [M003; A5000+; R]	CF	N
	MM401	TF	N
	MM504[R]	TF	N
	MM508	TF	N
	TENIV	TF	N

**5. AQAXA 1A (DEPARTURE)**

## 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	R	+5000	-	RNAV 1
02	TF	MM401	-	093	7.0	R	-	-	RNAV 1
03	TF	MM502	-	183	28.2	-	-	-	RNAV 1
04	TF	MM402	-	183	7.0	L	-	-	RNAV 1
05	TF	AQAXA	-	121	31.2	-	-	-	RNAV 1

## 5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM401	042519N 0733851E
MM502	035657N 0733853E
MM402	034955N 0733853E
AQAXA	033523N 0740630E

## 5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003° above 5000ft, turn right. To MM401, turn right. To MM502. To MM402, turn left. To AQAXA.	MM400 [M003; A5000+; R]	CF	N
	MM401[R]	TF	N
	MM502	TF	N
	MM402[L]	TF	N
	AQAXA	TF	N

**6. ATISA 1A (DEPARTURE)**

## 6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	CF	MM400	-	003	-	R	+5000	-	RNAV 1
02	TF	MM401	-	093	7.0	R	-	-	RNAV 1
03	TF	MM502	-	183	28.2	-	-	-	RNAV 1
04	TF	MM402	-	183	7.0	R	-	-	RNAV 1
05	TF	ATISA	-	197	29.3	-	-	-	RNAV 1

6.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MM400	042519N 0733151E
MM401	042519N 0733851E
MM502	035657N 0733853E
MM402	034955N 0733853E
ATISA	032122N 0733138E

6.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
To MM400 on course 003° above 5000ft, turn right. To MM401, turn right. To MM502. To MM402, turn right. To ATISA	MM400 [M003; A5000+; R]	CF	N
	MM401[R]	TF	N
	MM502	TF	N
	MM402[R]	TF	N
	ATISA	TF	N

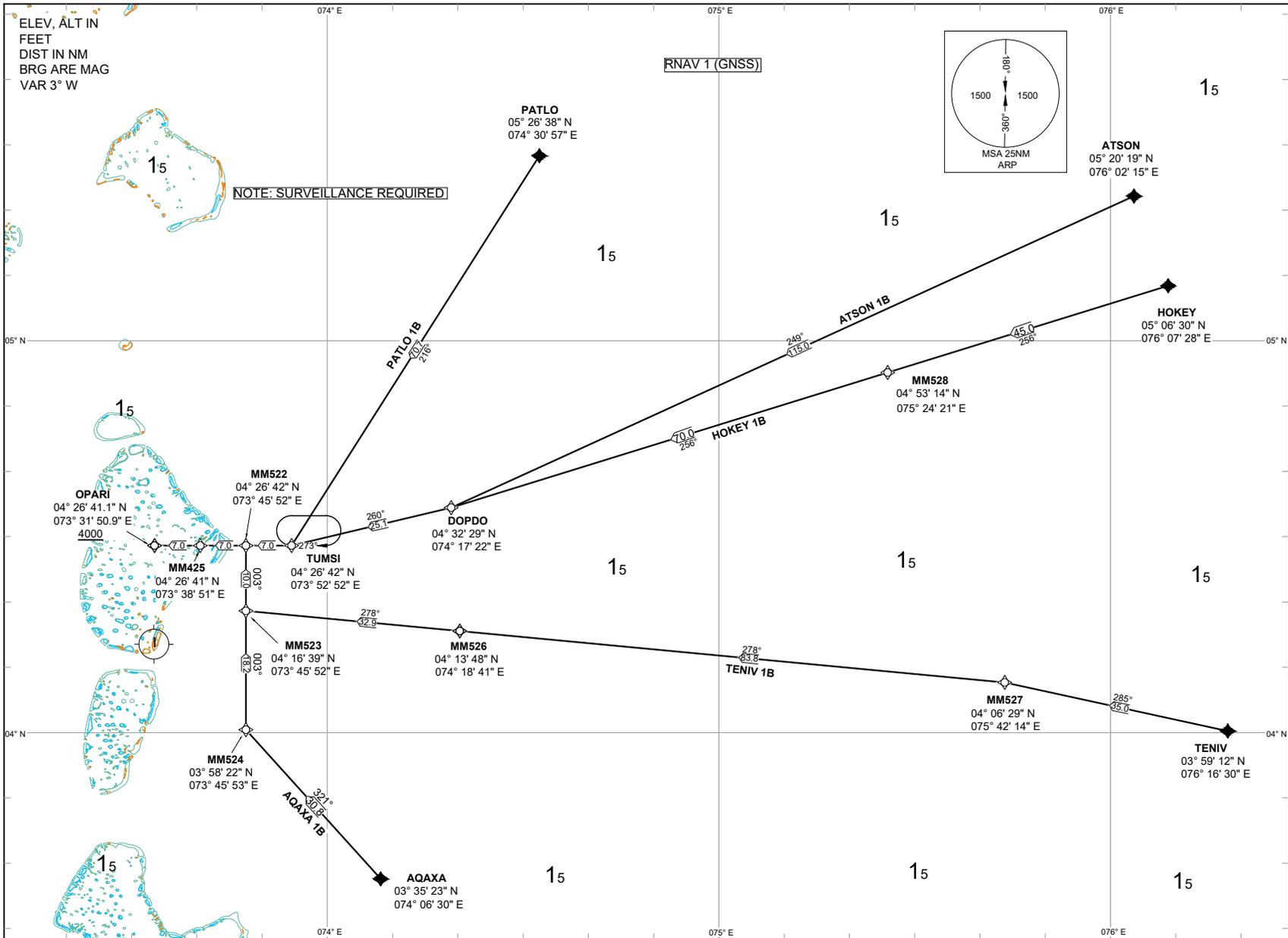
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STANDARD ARRIVAL CHART –  
INSTRUMENT (STAR) – ICAO

TRANSITIONAL ALTITUDE  
11,000 FEET

TWR 118.1  
APP 119.7  
ACC 123.9

MALE /INTL (VRMM)  
RWY 18  
AQAXA 1B, TENIV 1B, HOKEY 1B,  
ATSON 1B, PATLO 1B



**TEXTUAL DESCRIPTION RWY 18 (STAR)**

**1. AQAXA 1B (ARRIVAL)**

1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	AQAXA	-	-	-	-	-	-	RNAV 1
02	TF	MM524	-	321	30.8	R	-	-	RNAV 1
03	TF	MM523	-	003	18.2	-	-	-	RNAV 1
04	TF	MM522	-	003	10.0	L	A5500+	-	RNAV 1
05	TF	MM425	-	273	7.0	-	A5500+	-	RNAV 1
06	TF	OPARI	-	273	7.0	L	A4000+	210	RNAV1

2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
AQAXA	033523N 0740630E
MM524	035822N 0734553E
MM523	041639N 0734552E
MM522	042642N 0734552E
MM425	042641N 0733851E
OPARI	042641.1N 0733150.9E

2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From AQAXA. To MM524, turn right. To MM523. To MM522, at or above 5500ft, turn left. To MM425, at or above 5500ft. To OPARI, at or above 4000ft, speed 210kts, turn left	AQAXA	IF	N
	MM524 [R]	IF	N
	MM523	TF	N
	MM522 [A5500+; L]	TF	N
	MM425 [A5500+]	TF	N
	OPARI [A4000+; K210; L]	TF	N

## 2. TENIV 1B (ARRIVAL)

### 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	TENIV	-	-	-	-	-	-	RNAV 1
02	TF	MM527	-	285	35.0	L	-	-	RNAV 1
03	TF	MM526	-	278	83.8	-	-	-	RNAV 1
04	TF	MM523	-	278	32.9	R	-	-	RNAV 1
05	TF	MM522	-	003	10.0	L	A5500+	-	RNAV 1
06	TF	MM425	-	273	7.0	-	A5500+	-	RNAV1
07	TF	OPARI	-	273	7.0	L	A4000+	210	RNAV 1

### 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
TENIV	035912N 0761630E
MM527	040629N 0754214E
MM526	041348N 0741841E
MM523	041639N 0734552E
MM522	042642N 0734552E
MM425	042641N 0733851E
OPARI	042641.1N 0733150.9E

### 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From TENIV. To MM527, turn left. To MM526. To MM523, at or above 5500ft turn right. To MM522, turn left. To MM425, at or above 5500ft. To OPARI, at or above 4000ft, speed 210kts, turn left	TENIV	IF	N
	MM527 [L]	IF	N
	MM526	TF	N
	MM523 [R]	TF	N
	MM522 [A5500+; L]	TF	N
	MM425 [A5500+]	TF	N
	OPARI [A4000+; K210; L]	TF	N

**3. HOKEY 1B (ARRIVAL)**

## 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	HOKEY	-	-	-	-	-	-	RNAV 1
02	TF	MM528	-	256	45.0	-	-	-	RNAV 1
03	TF	DOPDO	-	256	70.0	R	-	-	RNAV 1
04	TF	TUMSI	-	260	25.1	R	A5500+	-	RNAV 1
05	TF	MM522	-	273	7.0	-	A5500+	-	RNAV 1
06	TF	MM425	-	273	7.0	-	A5500+	-	RNAV1
07	TF	OPARI	-	273	7.0	L	A4000+	210	RNAV 1

## 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
HOKEY	050630N 0760728E
MM528	045314N 0752421E
DOPDO	043229N 0741722E
TUMSI	042642N 0735252E
MM522	042642N 0734552E
MM425	042641N 0733851E
OPARI	042641.1N 0733150.9E

## 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From HOKEY. To MM528. To DOPDO, turn right. To TUMSI, at or above 5500ft, turn right. To MM522 at or above 5500ft. To MM425 at or above 5500ft. To OPARI, at or above 4000ft, speed 210kts, turn left	HOKEY	IF	N
	MM528	IF	N
	DOPDO [R]	TF	N
	TUMSI [A5500+; R]	TF	N
	MM522 [A5500+]	TF	N
	MM425 [A5500+]	TF	N
	OPARI [A4000+; K210; L]	TF	N

**4. ATSON 1B (ARRIVAL)**

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	ATSON	-	-	-	-	-	-	RNAV 1
02	TF	DOPDO	-	249	115.0	R	-	-	RNAV 1
03	TF	TUMSI	-	260	25.1	R	A5500+	-	RNAV 1
04	TF	MM522	-	273	7.0	-	A5500+	-	RNAV 1
05	TF	MM425	-	273	7.0	-	A5500+	-	RNAV 1
06	TF	OPARI	-	273	7.0	L	A4000+	210	RNAV1

## 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
ATSON	052019N 0760215E
DOPDO	043229N 0741722E
TUMSI	042642N 0735252E
MM522	042642N 0734552E
MM425	042641N 0733851E
OPARI	042641.1N 0733150.9E

## 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From ATSON. To DOPDO, turn right. To TUMSI, at or above 5500ft, turn right. To MM522, at or above 5500ft. To MM425, at or above 5500ft. To OPARI, at or above 4000ft, speed 210kts, turn left	HOKEY	IF	N
	DOPDO [R]	TF	N
	TUMSI [A5500+; R]	TF	N
	MM522 [A5500+]	TF	N
	MM425 [A5500+]	TF	N
	OPARI [A4000+; K210; L]	TF	N

**5. PATLO 1B (ARRIVAL)**

## 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	PATLO	-	-	-	-	-	-	RNAV 1
02	TF	TUMSI	-	216	70.7	R	-	-	RNAV 1
03	TF	MM522	-	273	7.0	-	-	-	RNAV 1
04	TF	MM425	-	273	7.0	-	A5500	-	RNAV 1
05	TF	OPARI	-	273	7.0	L	A4000+	210	RNAV 1

5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
PATLO	052638N 0743057E
TUMSI	042642N 0735252E
MM522	042642N0734552E
MM425	042641N 0733851E
OPARI	042641.1N 0733150.9E

5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From PATLO. To TUMSI, at or above 5500ft, turn right. To MM522 at or above 5500ft. To MM425 at or above 5500ft. To OPARI, at or above 4000ft, speed 210kts, turn left	PATLO	IF	N
	TUMSI [A5500+; R]	TF	N
	MM522 [A5500+]	TF	N
	MM425 [A5500+]	TF	N
	OPARI [A4000+; K210; L]	TF	N

6. Radio communications failure procedure

1	Set transponder to Mode A/C Code 7600
2	If clearance received from Male ATC a) Maintain last assigned flight level or altitude and proceed to the clearance limit b) Commence descent and carry out appropriate landing procedure for RWY 18 as close as possible to EAT or ETA
3	No clearance or instruction received from Male ATC - Refer to AIP Maldives page ENR 1.6-3 for radio communications failure procedure

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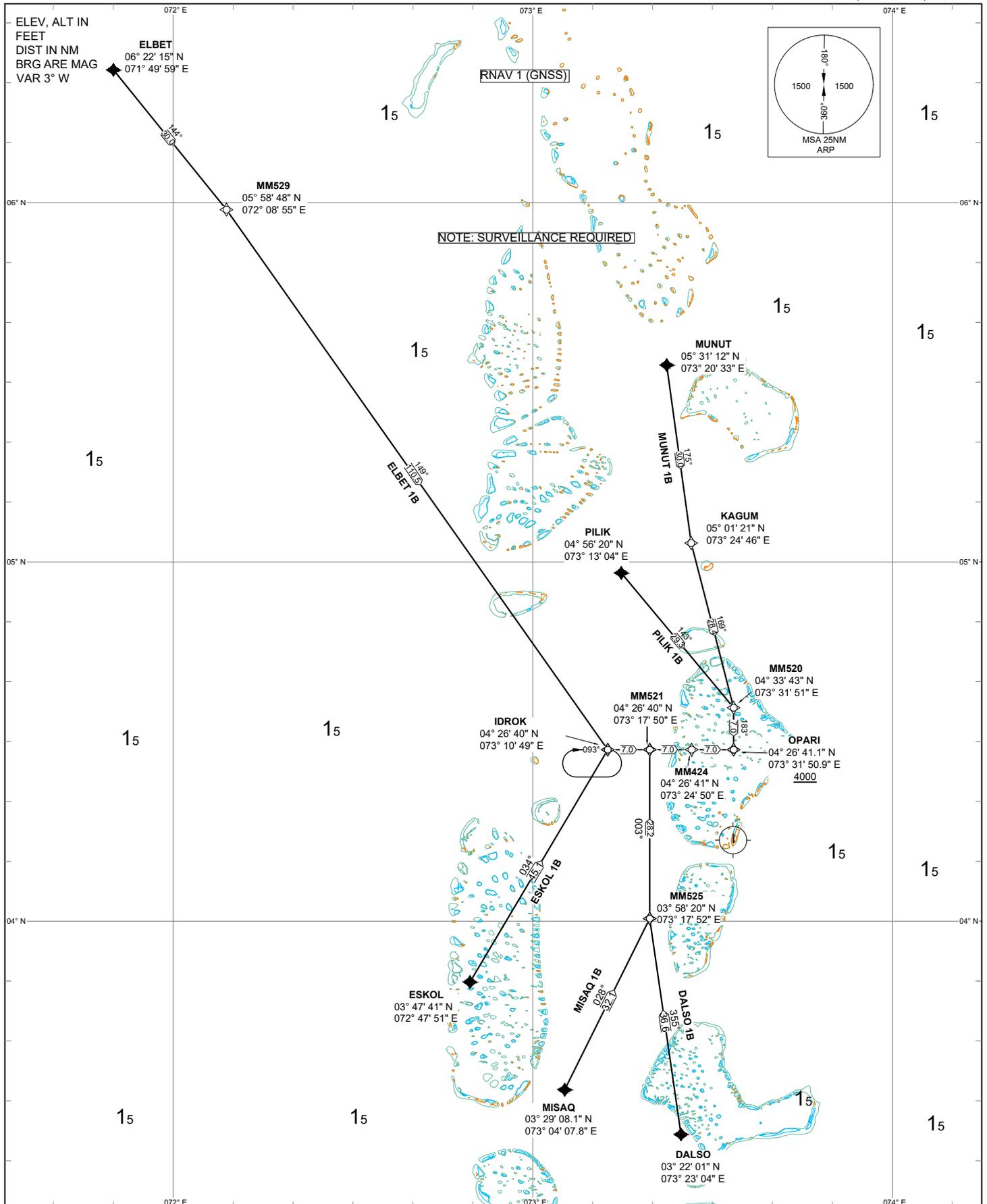
STANDARD ARRIVAL CHART —  
INSTRUMENT (STAR) — ICAO

TRANSITIONAL ALTITUDE  
11,000 FEET

TWR 118.1  
APP 119.7  
ACC 123.9

MALE /INTL (VRMM)  
RWY 18

ELBET 1B, ESKOL 1B, MISAQ 1B,  
DALSO 1B, MUNUT 1B, PILIK 1B



**TEXTUAL DESCRIPTION OF STAR RWY18****1. ELBET 1B (ARRIVAL)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	ELBET	-	-	-	-	-	-	RNAV 1
02	TF	MM529	-	144	30.0	-	-	-	RNAV 1
03	TF	IDROK	-	149	110.5	L	+5500	-	RNAV 1
04	TF	MM521	-	093	7.0	-	+5500	-	RNAV 1
05	TF	MM424	-	093	7.0	-	+5500	-	RNAV 1
06	TF	OPARI	-	093	7.0	R	+4000	-210	RNAV1

## 1.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
ELBET	062215N0714959E
MM529	055848N 0720855E
IDROK	042640N 0731049E
MM521	042640N 0731750E
MM424	042641N 0732450E
OPARI	042641.1N 0733150.9E

## 1.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From ELBET. To MM529. To IDROK, at or above 5500ft, turn left. To MM521, at or above 5500ft. To MM424, at or above 5500ft. To OPARI, at or above 4000ft, maximum speed 210kts, turn right	ELBET	IF	N
	MM529	TF	N
	IDROK [5500+; L]	TF	N
	MM521 [5500+]	TF	N
	MM424 [5500+]	TF	N
	OPARI [A4000+; K210-; R]	TF	N

**2. ESKOL 1B (ARRIVAL)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	ESKOL	-	-	-	-	+7000	-	RNAV 1
02	TF	IDROK	-	034	45.1	R	+5500	-	RNAV 1
03	TF	MM521	-	093	7.0	-	+5500	-	RNAV 1
04	TF	MM424	-	093	7.0	-	+5500	-	RNAV 1
05	TF	OPARI	-	093	7.0	R	+4000	-210	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
ESKOL	034741N 0724751E
IDROK	042640N 0731049E
MM521	042640N 0731750E
MM424	042641N 0732450E
OPARI	042641.1N 0733150.9E

## 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From ESKOL, at or above 7000. To IDROK, at or above 5500ft, turn right. To MM521, at or above 5500ft. To MM424, at or above 5500ft. To OPARI, at or above 4000ft, maximum speed 210kts, turn right	ESKOL [A7000+]	IF	N
	IDROK [A5500+; R]	TF	N
	MM521 [A5500+]	TF	N
	MM424 [A5500+]	TF	N
	OPARI [A4000+; K210-; R]	TF	N

## 3. MISAQ 1B (ARRIVAL)

### 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	MISAQ	-	-	-	-	-	-	RNAV 1
02	TF	MM525	-	028	32.1	L	+5500	-	RNAV 1
03	TF	MM521	-	003	28.2	R	+5500	-	RNAV 1
04	TF	MM424	-	093	7.0	-	+5500	-	RNAV 1
05	TF	OPARI	-	093	7.0	R	+4000	-210	RNAV 1

### 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MISAQ	032908.1N 0730407.8E
MM525	035820N 0731752E
MM521	042640N 0731750E
MM424	042641N 0732450E
OPARI	042641.1N 0733150.9E

### 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From MISAQ. To MM525, at or above 5500ft, turn left. To MM521, at or above 5500ft, turn right. To MM424, at or above 5500ft. To OPARI, at or above 4000ft, maximum speed 210kts, turn right	MISAQ	IF	N
	MM525 [A5500+; L]	TF	N
	MM521 [A5500+; R]	TF	N
	MM424 [A5500+]	TF	N
	OPARI [A4000+; K210-; R]	TF	N

## 4. DALSO 1B (ARRIVAL)

### 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	DALSO	-	-	-	-	+7000	-	RNAV 1
02	TF	MM525	-	355	36.6	R	+5500	-	RNAV 1
03	TF	MM521	-	003	28.2	R	+5500	-	RNAV 1
04	TF	MM424	-	093	7.0	-	+5500	-	RNAV 1
05	TF	OPARI	-	093	7.0	R	+4000	-210	RNAV 1

### 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
DALSO	032201N 0732304E
MM525	035820N 0731752E
MM521	042640N 0731750E
MM424	042641N 0732450E
OPARI	042641.1N 0733150.9E

### 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From DALSO, at or above 7000ft. To MM525, at or above 5500ft, turn right. To MM521, at or above 5500ft, turn right. To MM424, at or above 5500ft. To OPARI, at or above 4000ft, maximum speed 210kts, turn right	DALSO [A7000+]	IF	N
	MM525 [A5500+; R]	TF	N
	MM521 [A5500+; R]	TF	N
	MM424 [A5500+]	TF	N
	OPARI [A4000+; K210-; R]	TF	N

**5. MUNUT 1B (ARRIVAL)**

## 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	MUNUT	-	-	-	-	-	-	RNAV 1
02	TF	KAGUM	-	275	30.0	L	+7000		
03	TF	MM520	-	169	28.4	R	-	-	RNAV 1
04	TF	OPARI	-	183	7.0	-	+4000	-	RNAV 1

## 5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MUNUT	053112N 0732033E
KAGUM	050121N 0732446E
MM520	043343N 0733151E
OPARI	042641.1N 0733150.9E

## 5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From MUNUT. To KAGUM, at or above 7000ft, turn left. To MM520, turn right. To OPARI, at or above 4000ft, maximum speed 210kts.	MUNUT	IF	N
	KAGUM [A7000+; L]	TF	N
	MM520 [R]	TF	N
	OPARI [A4000+; K210-]	TF	N

**6. PILIK 1B (ARRIVAL)**

## 6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	PILIK	-	-	-	-	-	-	RNAV 1
02	TF	MM520	-	143	29.3	R	-	-	RNAV1
03	TF	OPARI	-	183	7.0	-	+4000-	210	RNAV 1

## 6.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
PILIK	045620N 0731304E
MM520	043343N 0733151E
OPARI	042641.1N 0733150.9E

## 6.3 Formal and abbreviated description

<b>Formal description</b>	<b>Abbreviated description</b>	<b>Path terminator</b>	<b>Flyover required</b>
From PILIK. To MM520, turn right. To OPARI, at or above 4000ft, maximum speed 210kts.	PILIK	IF	N
	MM520 [R]	TF	N
	OPARI [A4000+; K210-]	TF	N

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**TEXTUAL DESCRIPTION OF RWY36 STAR****1. AQAXA 1A (ARRIVAL)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	AQAXA	-	-	-	-	-	-	RNAV 1
02	TF	KABIK	-	331	25.4	L	A5500+	-	RNAV1
03	TF	MM503	-	273	7.0	-	A4000+	-	RNAV 1
04	TF	MM502	-	273	7.0	-	A5500+	-	RNAV 1
05	TF	BENKU	-	273	7.0	R	A4000+	210	RNAV 1

## 1.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
AQAXA	033523N 0740630E
KABIK	035657N 0735253E
MM503	035657N 0734553E
MM502	035657N 0733853E
BENKU	035656.3N 0733152.4E

## 1.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From AQAXA. To KABIK, at or above 5500ft, turn left. To MM503, at or above 5500ft. To MM502, at or above 5500ft. To BENKU, at or above 4000ft, speed 210kts, turn right.	AQAXA	IF	N
	KABIK [A5500+; L]	TF	N
	MM503 [A5500+]	TF	N
	MM502 [A5500+]	TF	N
	BENKU [A4000+; K210; R]	TF	N

**2. TENIV 1A (ARRIVAL)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	TENIV	-	-	-	-	-	-	RNAV 1
02	TF	KABIK	-	272	143.5	-	A5500+	-	RNAV 1
03	TF	MM503	-	273	7.0	-	A5500+	-	RNAV 1
04	TF	MM502	-	273	7.0	-	A5500+	-	RNAV 1
05	TF	BENKU	-	273	7.0	R	A4000+	210	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
TENIV	035912N 0761630E
KABIK	035657N 0735253E
MM503	035657N 0734553E
MM502	035657N 0733853E
BENKU	035656.3N 0733152.4E

## 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From TENIV. To KABIK, at or above 5500ft. To MM503, at or above 5500ft. To MM502, at or above 5500ft. To BENKU, at or above 4000ft, speed 210kts, turn right.	TENIV	IF	N
	KABIK [A5500+; L]	TF	N
	MM503 [A5500+]	TF	N
	MM502 [A5500+]	TF	N
	BENKU [A4000+; K210; R]	TF	N

## 3. HOKEY 1A (ARRIVAL)

## 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	HOKEY	-	-	-	-	-	-	RNAV 1
02	TF	MM510	-	256	30.0	L	-	-	RNAV 1
03	TF	MM509	-	243	32.2	-	-	-	RNAV 1
04	TF	MM508	-	243	47.7	-	-	-	RNAV 1
05	TF	KABIK	-	243	41.9	R	A5500+	-	RNAV 1
06	TF	MM503	-	273	7.0	-	A5500+	-	RNAV 1
07	TF	MM502	-	273	7.0	-	A5500+	-	RNAV 1
08	TF	BENKU	-	273	7.0	R	A4000+	210	RNAV 1

## 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
HOKEY	050630N 0760728E
MM510	045740N 0753843E
MM509	044138N 0751042E
MM508	041751N 0742914E
KABIK	035657N 0735253E
MM503	035657N 0734553E
MM502	035657N 0733853E
BENKU	035656.3N 0733152.4E

## 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From HOKEY. To MM510, turn left. To MM509. To MM508. To KABIK, at or above 5500ft, turn right. To MM503, at or above 5500ft. To MM502, at or above 5500ft. To BENKU, at or above 4000ft, speed 210kts, turn right.	HOKEY	IF	N
	MM510 [L]	TF	N
	MM509	TF	N
	MM508	TF	N
	KABIK [A5500+; R]	TF	N
	MM503 [A5500+]	TF	N
	MM502 [A5500+]	TF	N
	BENKU [A4000+; K210; R]	TF	N

## 4. ATSON 1A (ARRIVAL)

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	ATSON	-	-	-	-	-	-	RNAV 1
02	TF	MM510	-	229	32.5	R	-	-	RNAV 1
03	TF	MM509	-	243	32.2	-	-	-	RNAV 1
04	TF	MM508	-	243	47.7	-	-	-	RNAV 1
05	TF	KABIK	-	243	41.9	R	A5500+	-	RNAV 1
06	TF	MM503	-	273	7.0	-	A5500+	-	RNAV 1
07	TF	MM502	-	273	7.0	-	A5500+	-	RNAV 1
08	TF	BENKU	-	273	7.0	R	A4000+	210	RNAV 1

## 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
ATSON	052019N 0760215E
MM510	045740N 0753843E
MM509	044138N 0751042E
MM508	041751N 0742914E
KABIK	035657N 0735253E
MM503	035657N 0734553E
MM502	035657N 0733853E
BENKU	035656.3N 0733152.4E

4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From ATSON. To MM510, turn right. To MM509. To MM508. To KABIK, at or above 5500ft, turn right. To MM503, at or above 5500ft. To MM502, at or above 5500ft. To BENKU, at or above 4000ft, speed 210kts, turn right.	ATSON	IF	N
	MM510 [R]	TF	N
	MM509	TF	N
	MM508	TF	N
	KABIK [A5500+; R]	TF	N
	MM503 [A5500+]	TF	N
	MM502 [A5500+]	TF	N
BENKU [A4000+; K210; R]	TF	N	

5. PATLO 1A (ARRIVAL)

5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	PATLO	-	-	-	-	-	-	RNAV 1
02	TF	MM504	-	219	75.8	L	A5500+	-	RNAV 1
03	TF	MM503	-	183	28.2	R	A5500+	-	RNAV 1
04	TF	MM502	-	273	7.0	-	A5500+	-	RNAV 1
05	TF	BENKU	-	273	7.0	R	A4000+	210	RNAV 1

5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
PATLO	052638N 0743057E
MM504	042519N 0734552E
MM503	035657N 0734553E
MM502	035657N 0733853E
BENKU	035656.3N 0733152.4E

5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From PATLO. To MM504, at or above 5500ft, turn left. To MM503, at or above 5500ft, right turn. To MM502, at or above 5500ft. To BENKU, at or above 4000ft, speed 210kts, turn right.	PATLO	IF	N
	MM504 [A5500+; L]	TF	N
	MM503 [A5500+; R]	TF	N
	MM502 [A5500+]	TF	N
	BENKU [A4000+; K210; R]	TF	N

**6. MUNUT 1C (ARRIVAL)**

## 6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	MUNUT	-	-	-	-	-	-	RNAV 1
02	TF	MM407	-	162	58.0	R	A5500+	-	RNAV 1
03	TF	MM504	-	162	12.2	-	A5500+	-	RNAV 1
04	TF	MM503	-	183	28.2	R	A5500+	-	RNAV 1
05	TF	MM502	-	273	7.0	-	A5500+	-	RNAV 1
06	TF	BENKU	-	273	7.0	R	A4000+	210	RNAV 1

## 6.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MUNUT	053112N 0732033E
MM407	043638N 0734131E
MM504	042519N 0734552E
MM503	035657N 0734553E
MM502	035657N 0733853E
BENKU	035656.3N 0733152.4E

## 6.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From MUNUT. To MM407, at or above 5500 feet. To MM504, at or above 5500ft, turn right. To MM503, at or above 5500ft, turn right. To MM502, at or above 5500ft. To BENKU, at or above 4000ft, speed 210kts, turn right.	MUNUT	IF	N
	MM407 [A5500+]	TF	N
	MM504 [A5500+; R]	TF	N
	MM503 [A5500+; R]	TF	N
	MM502 [A5500+]	TF	N
	BENKU [A4000+; K210; R]	TF	N

**7. Radio communications failure procedure**

1	Set transponder to Mode A/C Code 7600
2	If clearance received from Male ATC a) Maintain last assigned flight level or altitude and proceed to the clearance limit b) Commence descent and carry out appropriate landing procedure for RWY 36 as close as possible to EAT or ETA
3	No clearance or instruction received from Male ATC - Refer to AIP Maldives page ENR 1.6-3 for radio communications failure procedure

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**TEXTUAL DESCRIPTION OF RWY 36****1. ELBET 1A (ARRIVAL)**

## 1.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	ELBET	-	-	-	-	-	-	RNAV 1
02	TF	MM511	-	154	34.0	-	-	-	RNAV 1
03	TF	RONJI	-	154	131.6	L	+5500	-	RNAV 1
04	TF	MM506	-	093	7.0	-	+5500	-	RNAV 1
05	TF	MM505	-	093	7.0	-	+5500	-	RNAV 1
06	TF	BENKU	-	093	7.0	L	+4000	210	RNAV 1

## 1.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
ELBET	062215N 0714959E
MM511	055226N 0720639E
RONJI	035655N 0731052E
MM506	035655N 0731752E
MM505	035656N 0732452E
BENKU	035656.3N 0733152.4E

## 1.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From ELBET. To MM511. To RONJI, at or above 5500feet, turn left. To MM506, at or above 5500ft. To MM505, at or above 5500ft. To BENKU, at or above 4000ft, maximum speed 210kts, turn left.	ELBET	IF	N
	MM511	TF	N
	RONJI [A5500+; L]	TF	N
	MM506 [A5500+]	TF	N
	MM505 [A5500+]	TF	N
	BENKU [A4000+; K210-; L]	TF	N

**2. ESKOL 1A (ARRIVAL)**

## 2.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	ESKOL	-	-	-	-	-	-	RNAV 1
02	TF	RONJI	-	071	24.8	R	+5500	-	RNAV 1
03	TF	MM506	-	093	7.0	-	+5500	-	RNAV 1
04	TF	MM505	-	093	7.0	-	+5500	-	RNAV 1
05	TF	BENKU	-	093	7.0	L	+4000	-210	RNAV 1

## 2.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
ESKOL	034741N 0724751E
RONJI	035655N 0731052E
MM506	035655N 0731752E
MM505	035656N 0732452E
BENKU	035656.3N 0733152.4E

## 2.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From ESKOL. To RONJI at or above 5500feet, turn right. To MM506, at or above 5500ft. To MM505, at or above 5500ft. To BENKU, at or above 4000ft, maximum speed 210kts, turn left	ESKOL	IF	N
	RONJI [A5500+; R]	TF	N
	MM506 [A5500+]	TF	N
	MM505 [A5500+]	TF	N
	BENKU [A4000+; K210-; L]	TF	N

## 3. MISAQ 1A (ARRIVAL)

## 3.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (°M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	MISAQ	-	-	-	-	-	-	RNAV 1
02	TF	RONJI	-	017	28.5	R	-	-	RNAV 1
03	TF	MM506	-	093	7.0	-	+5500	-	RNAV 1
04	TF	MM505	-	093	7.0	-	+5500	-	RNAV 1
05	TF	BENKU	-	093	7.0	L	+4000	-210	RNAV 1

## 3.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MISAQ	032908N 0730407E
RONJI	035655N 0731052E
MM506	035655N 0731752E
MM505	035656N 0732452E
BENKU	035656.3N 0733152.4E

## 3.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From MISAQ. To RONJI at or above 5500feet, turn right. To MM506, at or above 5500ft. To MM505, at or above 5500ft. To BENKU, at or above 4000ft, maximum speed 210kts, turn left	MISAQ	IF	N
	RONJI [A5500+; R]	TF	N
	MM506 [A5500+]	TF	N
	MM505 [A5500+]	TF	N
	BENKU [A4000+; K210-; L]	TF	N

**4. DALSO 1A (ARRIVAL)**

## 4.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	DALSO	-	-	-	-	-	-	RNAV 1
02	TF	MM501	-	021	29.1	L	+A5500	-	RNAV 1
03	TF	BENKU	-	003	7.0	-	+A4000	-210	RNAV 1

## 4.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
DALSO	032201N 0732304E
MM501	034954N 0733152E
BENKU	035656.3N 0733152.4E

## 4.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From DALSO. To MM501, at or above 5500ft, turn left. To BENKU, at or above 4000ft, maximum speed 210kts.	DALSO	IF	N
	MM501 [A5500+; L]	TF	N
	BENKU [A4000+; K210-]	TF	N

**5. MUNUT 1A (ARRIVAL)**

## 5.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	MUNUT	-	-	-	-	-	-	RNAV 1
02	TF	MM507	-	186	49.6	-	-	-	RNAV 1
03	TF	MM506	-	183	44.0	L	+5500	-	RNAV 1
04	TF	MM505	-	093	7.0	-	+5500	-	RNAV 1
05	TF	BENKU	-	093	7.0	L	+4000	-210	RNAV 1

## 5.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
MUNUT	053112N 0732033E
MM507	044126N 0731752E
MM506	035655N 0731752E
MM505	035656N 0732452E
BENKU	035656.3N 0733152.4E

## 5.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From MUNUT. To MM507. To MM506, at or above 5500ft, turn left. To MM505, at or above 5500ft. To BENKU, at or above 4000ft, maximum speed 210kts, turn left	MUNUT	IF	N
	MM507	TF	N
	MM506 [A5500+; L]	TF	N
	MM505 [A5500+]	TF	N
	BENKU [A4000+; K210-; L]	TF	N

## 6. PILIK 1A (ARRIVAL)

## 6.1 Tabular description for database coding

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course (° M)	Distance (NM)	Turn	Altitude	Speed (KT)	Nav Spec
01	IF	PILIK	-	-	-	-	-	-	RNAV 1
02	TF	MM507	-	166	15.8	R	-	-	RNAV 1
03	TF	MM506	-	183	44.0	L	+5500	-	RNAV 1
04	TF	MM505	-	093	7.0	-	+5500	-	RNAV 1
05	TF	BENKU	-	093	7.0	L	+4000	-210	RNAV 1

## 6.2 Waypoint coordinates

Waypoint	WGS84 Coordinates
PILIK	045620N 0731304E
MM507	044126N 0731752E
MM506	035655N 0731752E
MM505	035656N 0732452E
BENKU	035656.3N 0733152.4E

## 6.3 Formal and abbreviated description

Formal description	Abbreviated description	Path terminator	Flyover required
From PILIK. To MM507, turn right. To MM506, at or above 5500ft, turn left. To MM505, at or above 5500ft. To BENKU, at or above 4000ft, maximum speed 210kts, turn left	PILIK	IF	N
	MM507 [R]	TF	N
	MM506 [A5500+; L]	TF	N
	MM505 [A5500+]	TF	N
	BENKU [A4000+; K210-; L]	TF	N



**Standard Arrival Routes – Instrument**

**Male' International Airport**

**(STAR) RWY18**

Designator	Route	Restriction	Descend	Clearance Limit
LELEM 2B  (LELEM 2 BRAVO ARRIVAL)	From LELEM proceed on R-324 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-345 MLE turn left to ANKEM  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 18, as appropriate.	Cross LELEM at or above 7000 feet. Cross R-340 at or above 3500 feet.	As cleared by ATC	ANKEM
ESKOL 2B  (ESKOL 2 BRAVO ARRIVAL)	From ESKOL proceed on R-243 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-345 MLE turn left to ANKEM  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 18, as appropriate.	Cross R-290 MLE at or above 5500 feet. Cross R-340 at or above 3500 feet.	As cleared by ATC	ANKEM
ATISA 2D  (ATISA 2 DELTA ARRIVAL)	From ATISA proceed on R-183 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-345 MLE turn left to ANKEM  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 18, as appropriate.	Cross ATISA at or above 7000 feet. Cross R-290 MLE at or above 5500 feet. Cross R-340 at or above 3500 feet.	As cleared by ATC	ANKEM
ATISA 2B  (ATISA 2 BRAVO ARRIVAL)	From ATISA proceed on R-183 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-005 MLE turn right to ANKEM  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 18, as appropriate.	Cross ATISA at or above 7000 feet. Cross R-028 at or above 3500 feet.	As cleared by ATC	ANKEM
AQAXA 2B  (AQAXA 2 BRAVO ARRIVAL)	From AQAXA proceed on R-139 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-005 MLE turn right to ANKEM  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 18, as appropriate.	Cross R-028 at or above 3500 feet.	As cleared by ATC	ANKEM

Designator	Route	Restriction	Descend	Clearance Limit
GOKAM 2B  (GOKAM 2 BRAVO ARRIVAL)	From GOKAM proceed on R-098 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-005 MLE turn right to ANKEM  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 18, as appropriate.	Cross R-028 at or above 3500 feet.	As cleared by ATC	ANKEM
DOPDO 2B  (DOPDO 2 BRAVO ARRIVAL)	From DOPDO proceed on R-069 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-005 MLE turn right to ANKEM  Note: If cleared for APCH before IAF, execute VOR W or ILS W RWY 18, as appropriate.	Cross R-028 at or above 3500 feet.	As cleared by ATC	ANKEM
MUGBA 2B  (MUGBA 2 BRAVO ARRIVAL)	From MUGBA proceed on R-041 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-005 MLE turn right to ANKEM  Note: If cleared for APCH before IAF, execute VOR W or ILS W RWY 18, as appropriate.	Cross R-028 at or above 3500 feet.	As cleared by ATC	ANKEM



## Standard Arrival Routes – Instrument

## Male' International Airport

## (STAR) RWY36

Designator	Route	Restriction	Descend	Clearance Limit
LELEM 2A  (LELEM 2 ALPHA ARRIVAL)	From LELEM proceed on R-324 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-193 MLE turn right to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross LELEM at or above 7000 feet. Cross R-225 MLE at or above 5500 feet. Cross R-200 at or above 3500 feet	As cleared by ATC	REGAD
KAGUM 2A  (KAGUM 2 ALPHA ARRIVAL)	From KAGUM proceed on R-355 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-193 MLE turn right to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross KAGUM at or above 7000 feet. Cross R-225 MLE at or above 5500 feet. Cross R-200 at or above 3500 feet.	As cleared by ATC	REGAD
KAGUM 2C  (KAGUM 2 CHALI ARRIVAL)	From KAGUM proceed on R-355 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-173 MLE turn left to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross KAGUM at or above 7000 feet. Cross R-160 at or above 3500 feet	As cleared by ATC	REGAD
MUGBA 2A  (MUGBA 2 ALPHA ARRIVAL)	From MUGBA proceed on R-042 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-173 MLE turn left to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RW	Cross R-160 at or above 3500 feet	As cleared by ATC	REGAD
DOPDO 2A  (DOPDO 2 ALPHA ARRIVAL)	From DOPDO proceed on R-069 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-173 MLE turn left to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross R-160 at or above 3500 feet	As cleared by ATC	REGAD

Designator	Route	Restriction	Descend	Clearance Limit
GOKAM 2A  (GOKAM 2 ALPHA ARRIVAL)	From GOKAM proceed on R-098 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-173 MLE turn left to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross R-160 at or above 3500 feet	As cleared by ATC	REGAD
AQAXA 2A  (AQAXA 2 ALPHA ARRIVAL)	From AQAXA proceed on R-139 MLE. At 14 DME MLE turn left to proceed on ARC DME 12 MLE. When passing R-173 MLE turn left to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross R-160 at or above 3500 feet	As cleared by ATC	REGAD
ESKOL 2A  (ESKOL 2 ALPHA ARRIVAL)	From ESKOL proceed on R-243 MLE. At 14 DME MLE turn right to proceed on ARC DME 12 MLE. When passing R-193 MLE turn right to REGAD  Note: If cleared for APCH before IAF, execute VOR X or ILS W RWY 36 as appropriate.	Cross R-225 at or above 5500 feet. Cross R-160 at or above 3500 feet	As cleared by ATC	REGAD

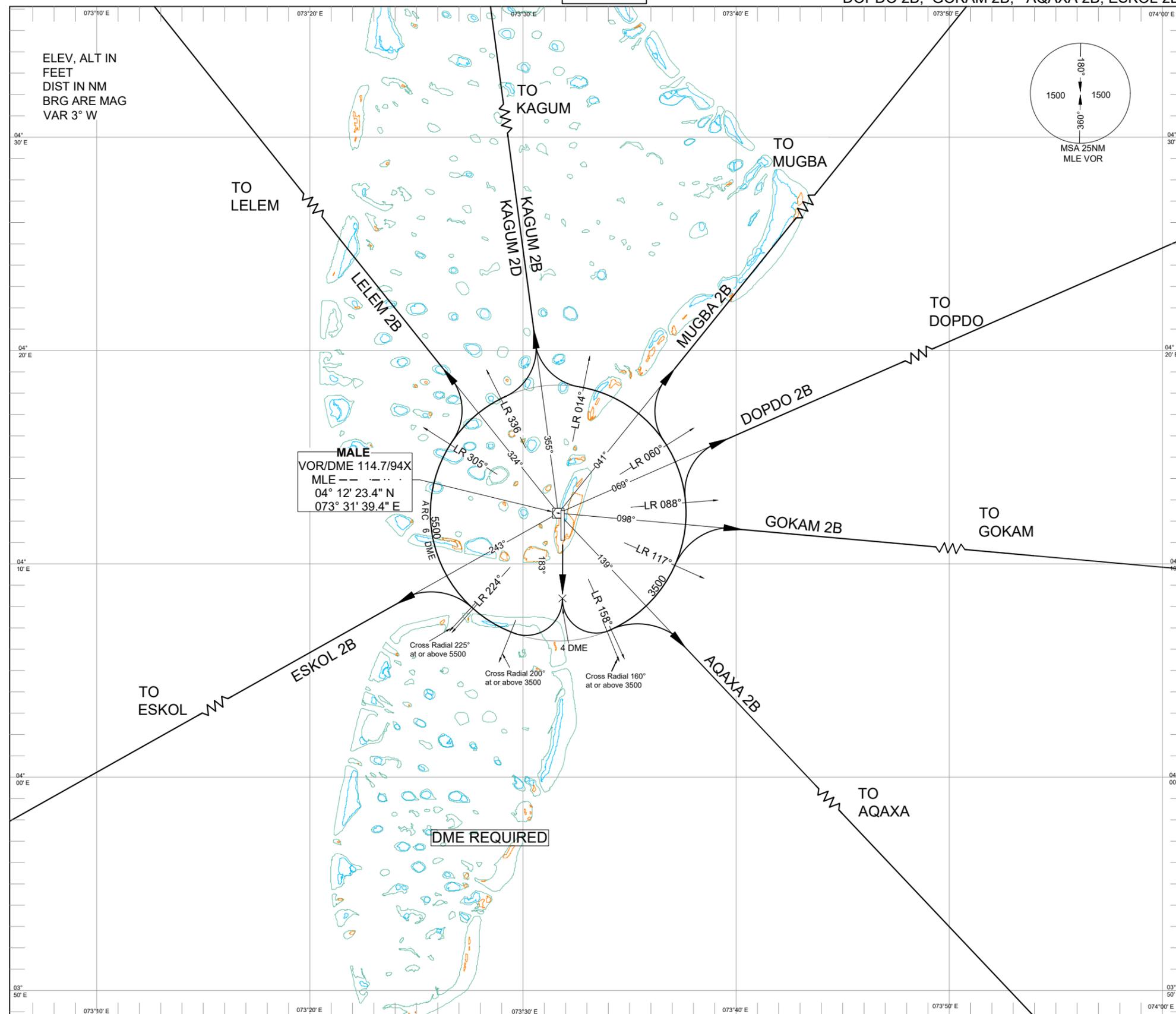
**STANDARD DEPARTURE CHART –  
INSTRUMENT (SID) – ICAO**

**MALE /INTL (VRMM)  
RWY 18**

TRANSITIONAL ALTITUDE  
11,000 FEET

TWR 118.1  
APP 119.7  
ACC 123.9

LELEM 2B, KAGUM 2B, KAGUM 2D, MUGBA 2B,  
DOPDO 2B, GOKAM 2B, AQAXA 2B, ESKOL 2B



**Standard Departure Routes – Instrument****Male' International Airport****(SID) RWY18**

Designator	Route	Restriction	Climb	Clearance Limit
LELEM 2B  (LELEM 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-305 turn left to proceed on R-324	Cross R-200 MLE at or above 3500 feet. Cross R-225 at or above 5500 feet.	As cleared by ATC	LELEM
ESKOL 2B  (ESKOL 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-224 turn left to proceed on R-243	Cross R-200 MLE at or above 3500 feet. Cross R-225 at or above 5500 feet.	As cleared by ATC	ESKOL
KAGUM 2D  (KAGUM 2 DELTA Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-336 turn left to proceed on R-355	Cross R-200 MLE at or above 3500 feet. Cross R-225 at or above 5500 feet.	As cleared by ATC	KAGUM
KAGUM 2B  (KAGUM 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-014 turn right to proceed on R-355	Cross R-160 MLE at or above 3500 feet.	As cleared by ATC	KAGUM
AQAXA 2B  (AQAXA 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-158 turn right to proceed on R-139	Cross R-160 MLE at or above 3500 feet.	As cleared by ATC	AQAXA
GOKAM 2B  (GOKAM 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-117 turn right to proceed on R-098	Cross R-160 MLE at or above 3500 feet.	As cleared by ATC	GOKAM
DOPDO 2B  (DOPDO 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-088 turn right to proceed on R-069	Cross R-160 MLE at or above 3500 feet.	As cleared by ATC	DOPDO
MUGBA 2B  (MUGBA 2 BRAVO Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-060 turn right to proceed on R-041	Cross R-160 MLE at or above 3500 feet.	As cleared by ATC	MUGBA

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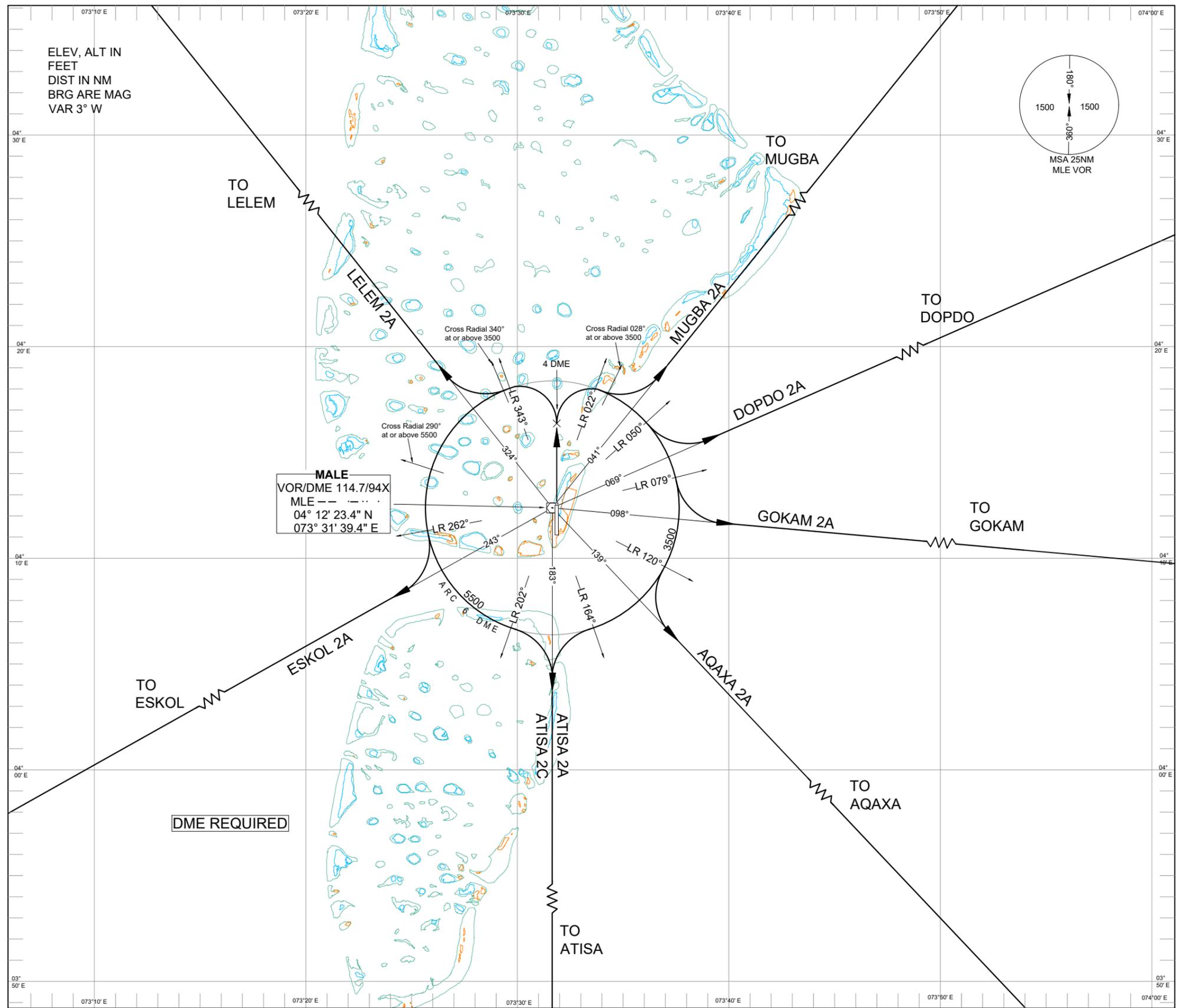
**STANDARD DEPARTURE CHART –  
INSTRUMENT (SID) – ICAO**

TRANSITIONAL ALTITUDE  
11,000 FEET

TWR 118.1  
APP 119.7  
ACC 123.9

**MALE /INTL (VRMM)  
RWY 36**

LELEM 2A, MUGBA 2A, DOPDO 2A, GOKAM 2A,  
AQAXA 2A, ATISA 2A, ATISA 2C ESKOL 2A



**Standard Departure Routes – Instrument****Male' International Airport****(SID) RWY36**

<b>Designator</b>	<b>Route</b>	<b>Restriction</b>	<b>Climb</b>	<b>Clearance Limit</b>
LELEM 2A (LELEM 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-343 turn right to proceed on R-324	Cross R-340 MLE at or above 3500 feet.	As cleared by ATC	LELEM
ESKOL 2A (ESKOL 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-262 turn right to proceed on R-243	Cross R-340 MLE at or above 3500 feet. Cross R-290 at or above 5500 feet.	As cleared by ATC	ESKOL
ATISA 2C (ATISA 2 CHALI Departure)	Climb on runway heading. At 4DME MLE turn left to proceed on ARC DME 6 MLE. When passing R-202 turn right to proceed on R-183	Cross R-340 MLE at or above 3500 feet. Cross R-290 at or above 5500 feet.	As cleared by ATC	ATISA
ATISA 2A (ATISA 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-164 turn left to proceed on R-183	Cross R-028 MLE at or above 3500 feet.	As cleared by ATC	ATISA
AQAXA 2A (AQAXA 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-120 turn left	Cross R-028 MLE at or above 3500 feet.	As cleared by ATC	AQAXA
GOKAM 2A (GOKAM 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-079 turn left to proceed on R-098	Cross R-028 MLE at or above 3500 feet.	As cleared by ATC	GOKAM
DOPDO 2A (DOPDO 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-050 turn left to proceed on R-069	Cross R-028 MLE at or above 3500 feet.	As cleared by ATC	DOPDO
MUGBA 2A (MUGBA 2 ALPHA Departure)	Climb on runway heading. At 4DME MLE turn right to proceed on ARC DME 6 MLE. When passing R-022 turn left to proceed on R-041	Cross R-028 MLE at or above 3500 feet.	As cleared by ATC	MUGBA

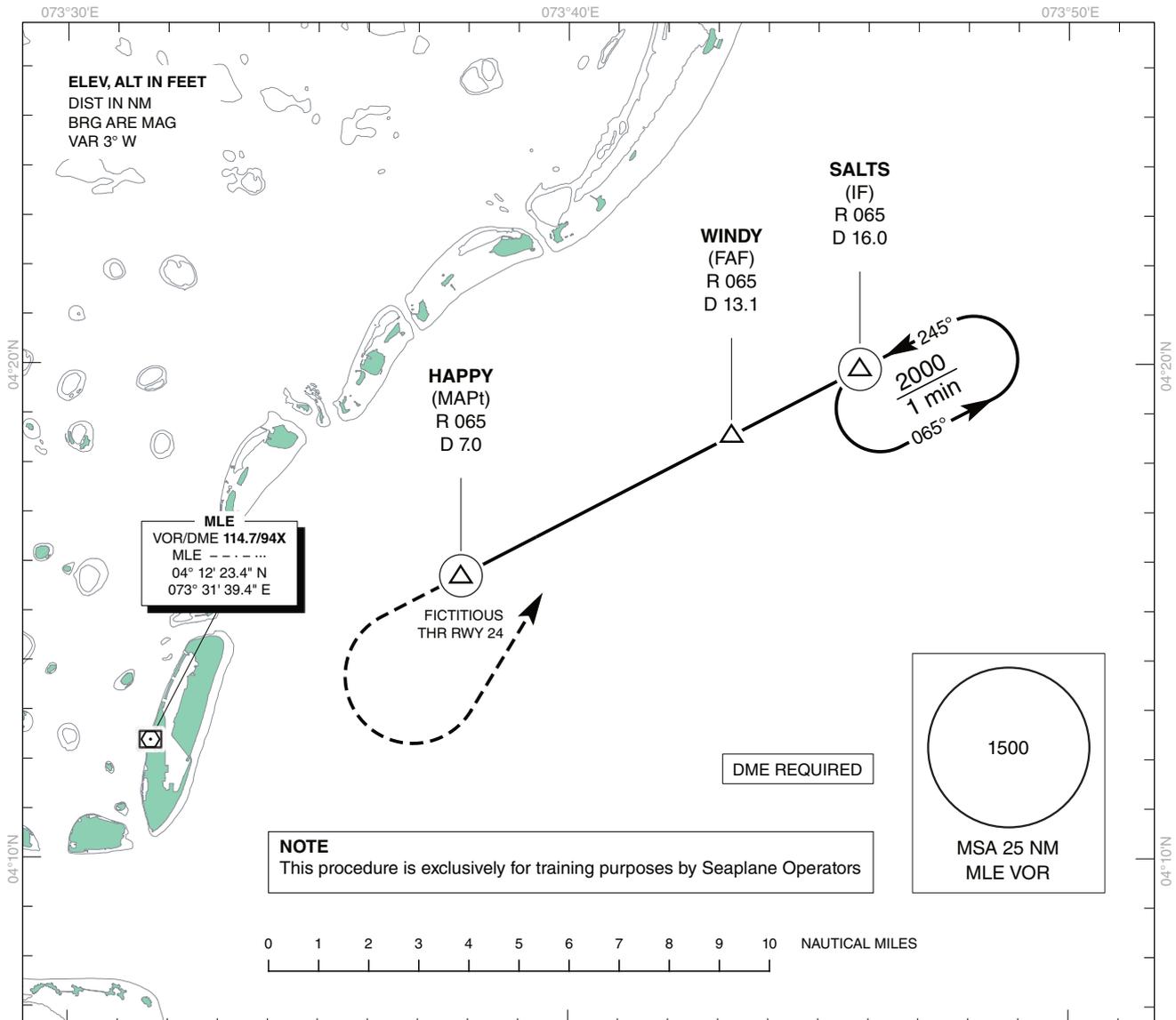
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**INSTRUMENT  
APPROACH  
CHART**

**AERODROME ELEV 0 ft**  
HEIGHTS RELATED TO  
THR RWY 24 — ELEV 0 ft

TWR 118.1  
120.5

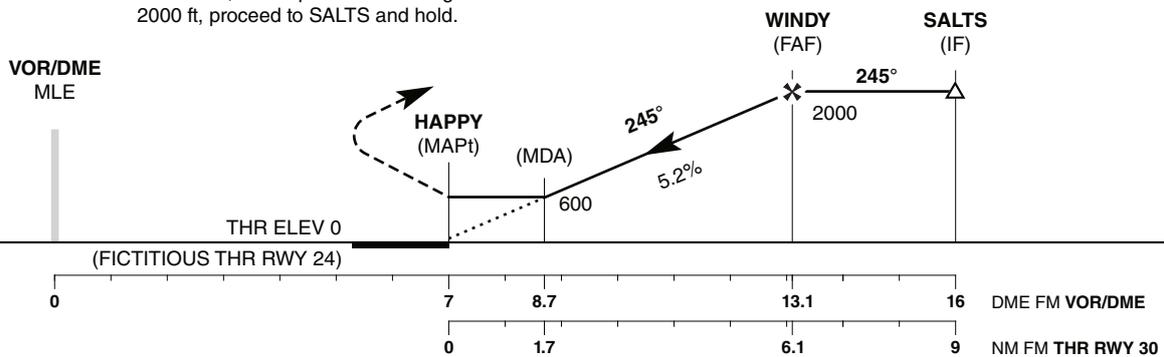
**MALE' / TRAINING (VRMM)  
VOR RWY 24**



**NOTE**  
This procedure is exclusively for training purposes by Seaplane Operators

1500  
MSA 25 NM  
MLE VOR

**MISSED APPROACH:**  
LEFT turn, intercept R 065 climbing to  
2000 ft, proceed to SALTS and hold.



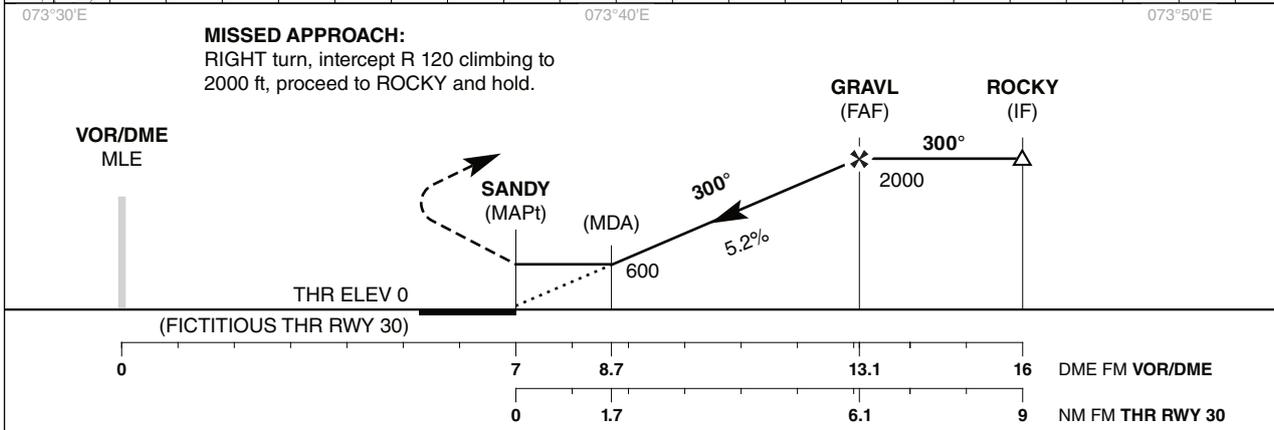
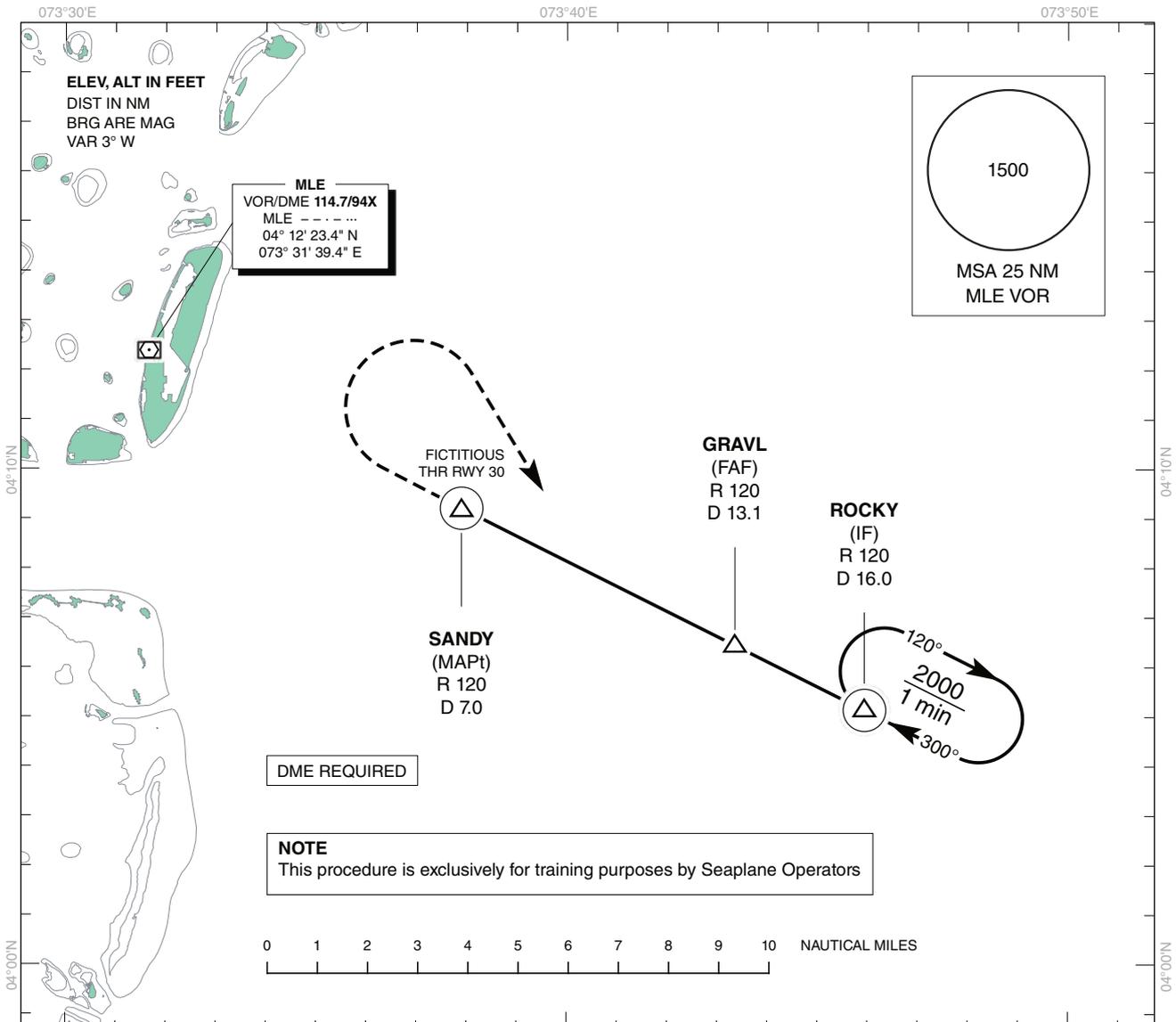
Distance MLE	FAF	13D	12D	11D	10D	9D	8D	Speed (kts)	70	80	90	100	110	120
Altitude	2000	1970	1650	1330	1010	690	370		369	421	474	527	579	632
Aircraft Category	A							Rate of descent(ft/min)	369	421	474	527	579	632
MDA	600													

**INSTRUMENT  
APPROACH  
CHART**

**AERODROME ELEV 0 ft**  
HEIGHTS RELATED TO  
THR RWY 30 — ELEV 0 ft

TWR	118.1
	120.5

**MALE' / TRAINING (VRMM)  
VOR RWY 30**



Distance MLE	FAF	13D	12D	11D	10D	9D	8D	Speed (kts)	70	80	90	100	110	120
Altitude	2000	1970	1650	1330	1010	690	370		369	421	474	527	579	632
Aircraft Category	A							Rate of descent(ft/min)	369	421	474	527	579	632
MDA	600													