

AD 2. AERODROMES

FYWH AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYWH - Hosea Kutako International Airport, Windhoek

FYWH AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	ARP co-ordinates and site at AD	222852S 0172814E Holding Point Delta (West)
2.	Direction and distance from (city)	080°/24.3 NM East of Windhoek
3.	Elevation/reference temperature	5 641 FT/35 °C
4.	Geoid undulation at AD ELEV PSN	102 FT (31 M)
5.	Magnetic (MAG) variation (VAR)/Annual change	12° W (2025) / 0.11° increasing
6.	Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and, if available, website address	Namibia Airports Company Limited Hosea Kutako International Airport P.O. Box 1 WINDHOEK NAMIBIA Mr. Alexander Gairiseb: Senior Airport Manager Contact Details Tel: +264 61 295 5601, Fax: NIL Cell: +264 81 143 4740 (during or after hours) E-mail: gairiseba@airports.com.na Website: www.airports.com.na ATC Tel: +264 62 702 490/1/2/3 Fax: +264 62 702 499 NCAA Fax: +264 61 702 099 AFS: FYWHYDYX
7.	Types of traffic permitted (IFR/VFR)	IFR/VFR
8.	Remarks	NIL

FYWH AD 2.3 OPERATIONAL HOURS

1.	<i>AD Administrator</i>	MON-SUN: 0300-1930
2.	<i>Customs and immigration</i>	As AD Administration
3.	<i>Health and sanitation</i>	As AD Administration
4.	<i>AIS briefing office</i>	NIL
5.	<i>ATS reporting office (ARO)</i>	NIL
6.	<i>MET briefing office</i>	H24
7.	<i>ATS</i>	H24
8.	<i>Fuelling</i>	As AD Administration
9.	<i>Handling</i>	As AD Administration
10.	<i>Security</i>	H24
11.	<i>De-icing</i>	NIL
12.	<i>Remarks</i>	See section AD 2.20 for Airport Regulations. AIS Briefing Office located at FYWE

FYWH AD 2.4 HANDLING SERVICES AND FACILITIES

1.	<i>Cargo-handling facilities</i>	Forklift capacity 3 tons, 2.5 tons Double Container pallets/ dollies, Cargo Dollies, Single container Dollies, Wooden Panel Baggage cart, 1 High-Low Loader (TLD), 1 Lower –deck loader (TLD) 3 Baggage Loading belts (NBL), 3 Ground Power Units (TLD), /1 Passenger Aid Unit (PAU) ,2 Nonmotorized steps-Wide body, 2 Narrow body steps Nonmotorized, 1 Motorized Steps-Wide body,1 Toilet service, 1 water cart services, 2 Tractors, (TLD) 1 Nissan Tractor
2.	<i>Fuel/oil types</i>	Jet A1
3.	<i>Fuelling facilities/capacity</i>	1.5 million L (safe loading ullage) combined into 5 tanks Hydrant refueling system and Bowser of 18,000L. One truck with capacity of 18,000L with a floor of 900 L/MIN
4.	<i>De-icing facilities</i>	NIL
5.	<i>Hangar space for visiting aircraft</i>	NIL
6.	<i>Repair facilities for visiting aircraft</i>	NIL
7.	<i>Remarks</i>	NIL

FYWH AD 2.5 PASSENGER FACILITIES

1.	<i>Hotels</i>	Hotels in City and lodges located near the AD.
2.	<i>Restaurants</i>	On AD and in the city.
3.	<i>Transportation</i>	Airport Shuttles, taxi service and Car hire
4.	<i>Medical facilities</i>	First aid, ambulance on AD. Hospital in city $\pm$ 50 KM
5.	<i>Bank and post office</i>	Foreign Exchange and ATM open with AD Administration hours, NIL Post Office.
6.	<i>Tourist office</i>	NIL
7.	<i>Remarks</i>	NIL

FYWH AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	<i>AD category for fire fighting</i>	CAT 9
2.	<i>Rescue equipment</i>	3 x Fire Tenders 1 x Ambulance 700 000L water reservoir 11 250L AFFF (Foam- Tridol "S" 6%) 700KG Dry Chemical Powder Hydrants (18)
3.	<i>Capability for removal of disabled aircraft</i>	Removal of disabled aircraft is the responsibility of the airline or registered owner or aircraft operator. Disabled aircraft removal coordinator: Mr. Alexander Gairiseb Senior airport manager Tel: +264 61 295 5601 Fax: NIL Cell: +264 81 143 4740 (during and after hours) Email: gairiseba@airports.com.na Website: www.airports.com.na
4.	<i>Remarks</i>	Rescue and Fire Fighting hours of operations are 24HR

FYWH AD 2.7 SEASONAL AVAILABILITY - CLEARING

1.	<i>Types of clearing equipment</i>	NIL
2.	<i>Clearance priorities</i>	NIL
3.	<i>Remarks</i>	NIL

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

1.	<i>Apron designation, surface, and strength</i>	Surface: Asphalt (Flexible) Strength: PCR 730/F/C/X/T Surface: Concrete (Rigid) Strength: PCR 610/R/C/X/T Surface: Interlocks (Rigid) Strength: PCR 610/R/C/X/T
2.	<i>Taxiway designation, width, surface, and strength</i>	Taxiway: Parallel Taxiway Width: 23 M Surface: Asphalt Strength: PCR 590/F/D/X/T TWY Intersection A, Width 23 M, Asphalt, PCR 350/F/D/X/T TWY Intersection B, Width 23 M, Asphalt, PCR 995/F/C/X/T TWY Intersection C, Width 23 M, Asphalt, PCR 400/F/D/X/T TWY Intersection D, Width 23 M, Asphalt, PCR 310/F/D/X/T TWY Intersection E, Width 23 M, Asphalt, PCR 590/F/D/X/T TWY Intersection F, Width 23 M, Asphalt, PCR 940/F/C/X/T
3.	<i>Altimeter checkpoint location and elevation</i>	NIL
4.	<i>VHF omnidirectional radio range (VOR) checkpoints</i>	Elevation: 5616 FT Location: At Holding Point Bravo 114.5 MHz
5.	<i>INS checkpoints</i>	NIL
6.	<i>Remarks</i>	NIL

FYWH 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>	NIL aircraft stand ID signs and markings. Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. Aircraft TWY Guidelines available. Pilots to follow the marshaller.
2.	<i>RWY and TWY markings and LGT RWY markings:</i>	RWY 08/26 markings: Transverse stripe, Threshold marking, Designation marking, Runway centre line, Touchdown zone (start), Touchdown zone (end), Aiming points RWY 15/33 markings: Designation markings, Runway centreline, Threshold marking, Side stripe markings RWY LGT: Runway Edge Lights: Location Runway 08/26 and 15/33 runway edge lights fittings are high intensity bidirectional elevated frangible lights using 150w pre-focus halogen lamps to operate. The lights are placed along the full length of the runway in two parallel rows equidistant from the centreline

		Characteristics RWY <table><tr><th>Designator</th><th>Length</th><th>Spacing</th><th>Colour</th><th>Intensity</th></tr><tr><td>08</td><td>4569M</td><td>60M</td><td>White</td><td>High</td></tr><tr><td>26</td><td>4569M</td><td>60M</td><td>White</td><td>High</td></tr><tr><td>15</td><td>1523M</td><td>60M</td><td>White</td><td>High</td></tr><tr><td>33</td><td>1523M</td><td>60M</td><td>White</td><td>High</td></tr></table> Threshold Lights: Location Runway 08/26 threshold lights are located at the extreme end of the runways uniformly spaced at intervals of 3m between the lights. The lights consist of six lights. Characteristics Runway 08/26 threshold lights are fixed unidirectional lights showing red in the direction of the runway and green in the direction of the approach. Approach Lights: Runway 26 is equipped with Precision Approach Category I frangible elevated approach lighting system. Location The system consists of row of lights over a distance of more than 900M from the runway threshold with a row of lights forming a horizontal crossbar 30m in length at a distance of 300M from the runway threshold. Characteristics The approach lights runway 26 are high intensity unidirectional elevated lights showing variable white. The lights are in a barrette of 4m. The approach lighting systems is design in two circuits that are interleave. Runway 08 is equipped with Simple Approach lighting system with frangible elevated approach lights. Location Simple approach lighting system of runway 08 consist of row lights over a distance of more than 420 M from the threshold with a row of lights forming a crossbar 18m in length at a distance of 300m from the threshold. Characteristics The approach lights runway 08 are fixed frangible medium intensity omnidirectional elevated lights readily distinguishable from other aeronautical ground lights. The lights are in a barrette with a spacing of 1.5m in between. The light show at all angles in azimuth and the intensity of the light are adequate for all conditions of visibility. TWY markings: Taxiway centreline markings, RWY holding position markings at all TWY/RWY intersection marked	Designator	Length	Spacing	Colour	Intensity	08	4569M	60M	White	High	26	4569M	60M	White	High	15	1523M	60M	White	High	33	1523M	60M	White	High
Designator	Length	Spacing	Colour	Intensity																							
08	4569M	60M	White	High																							
26	4569M	60M	White	High																							
15	1523M	60M	White	High																							
33	1523M	60M	White	High																							

		(Type A, located 90m from the runway centreline) TWY LGT: Taxiway Edge Lights. Location The lights at TWY A, B, C, D, E, and F are all located on the edge of the taxiways, runway turning circles and intersections and holding points uniformly spread along the taxiways. The lights are spaced at uniform longitudinal intervals of 60m and at curves less than 60m to indicate a clear indication of a curve. Characteristics The taxiway lights are fixed medium intensity omnidirectional inset and elevated lights showing blue.
3.	Stop bars	NIL
4.	Other runway protection measures	NIL
5.	Remarks	See also section AD 2.20 for taxing and parking information

FYWH AD 2.10 AERODROME OBSTACLES

In Area 2a					
OBST ID/ Designation	OBST Type	OBST position	ELEV/HGT (FT)	Markings / Type, Colour	Remarks
a	b	c	d	e	f
AMS E_N	Equipment	222847.27S 0172808.32E	5622	NIL	NIL
MET STATION_08	Equipment	222917.30S 0172703.00E	5669	LGT	NIL
WIND SENSOR_08	Equipment	222921.20S 0172709.38E	5659	NIL	NIL
WINDSOCK 08	Equipment	222919.96S 0172658.41E	5666	Marked LGT	NIL
WINDSOCK 33	Equipment	222859.02S 0172822.02E	5587	Marked LGT	NIL

In Area 2b					
OBST ID/ Designation	OBST Type	OBST position	ELEV/HGT (FT)	Markings / Type, Colour	Remarks
a	b	c	d	e	f
ILS CONTAINER	Equipment	222929.40S 0172650.25E	5661	Marked LGT	NIL
WATER TANK	TANK	222950.87S 0172735.58E	5743	NIL	NIL
LOCALIZER 26	Equipment	222927.31S 0172649.25E	5656	Marked	NIL
ILS MONITOR 26	Equipment	222926.15S 0172651.77E	5652	LGT	NIL
APPL08_L24	Equipment	222929.40S 0172650.25E	5645	NIL	NIL

APPL08_L23	Equipment	222924.38S 0172655.61E	5646	NIL	NIL
APPL08_L22	Equipment	222924.81S 0172654.67E	5647	NIL	NIL
APPL08_L16	Equipment	222927.85S 0172649.25E	5653	NIL	NIL
APPL08_L15	Equipment	222927.76S 0172649.21E	5653	NIL	NIL
APPL08_L7	Equipment	222927.13S 0172648.87E	5653	NIL	NIL
APPL08_L18	Equipment	222926.54S 0172650.90E	5650	NIL	NIL
APPL08_L14	Equipment	222927.69S 0172649.17E	5652	NIL	NIL
APPL08_L10	Equipment	222927.39S 0172649.01E	5652	NIL	NIL
APPL08_L13	Equipment	222927.61S 0172649.13E	5652	NIL	NIL

<i>In Area 2c</i>					
<i>OBST ID/ Designation</i>	<i>OBST Type</i>	<i>OBST position</i>	<i>ELEV/HGT (FT)</i>	<i>Markings / Type, Colour, lighting (LGT)</i>	<i>Remarks</i>
a	b	c	d	e	f
MTC TWR	Tower	222931.44S 0172728.91E	5747	LGT	NIL
POWER COM TWR	Tower	222929.04S 0172749.85E	5722	Marked LGT	NIL
RESERVOIR	Tower	222940.85S 0172712.08E	5724	Marked LGT	Marked
RX MAST1	Equipment	222908.66S 0172850.86E	5678	NIL	NIL
RX MAST2	Equipment	222910.39S 0172850.89E	5685	NIL	NIL
RX MAST3	Equipment	222910.41S 0172849.02E	5682	NIL	NIL
RX MAST4	Equipment	222907.69S 0172849.00E	5630	NIL	NIL
J FUEL TANK_1	Tank	222918.61S 0172742.28E	5666	NIL	NIL
J FUEL TANK_2	Tank	222919.42S 0172742.57E	5667	NIL	NIL

TXT MAST_1	Equipment	222935.72S 0172726.03E	5758	NIL	NIL
TXT MAST_2	Equipment	222933.98S 0172725.26E	5749	NIL	NIL
TXT MAST_3	Equipment	222933.32S 0172726.99E	5748	NIL	NIL
TXT MAST_4	Equipment	222934.95S 0172728.05E	5756	NIL	NIL
VOR	Equipment	222838.52S 0172814.07E	5614	Marked LGT	NIL
RADAR	Equipment	222937.99S 0172726.15E	5829	NIL	NIL
ARB	Equipment	222940.85S 0172712.08E	5718	LGT	NIL
POWERLINE 1	Transmission lines	222950.56S 0172918.00E	5643	Marked	NIL
POWERLINE 2	Transmission lines	222954.55S 0172907.96E	5690	Marked	NIL
POWERLINE 3	Transmission lines	222951.79S 0172904.01E	5685	Marked	NIL
POWERLINE 4	Transmission lines	222947.38S 0172857.74E	5656	Marked	NIL
WATER TANK 1	Tank	222950.87S 0172735.58E	5743	NIL	NIL
WATER TANK 2	Tank	222929.23S 0172619.71E	5720	NIL	NIL

In Area 2d					
OBST ID/ designation	OBST Type	OBST Position	ELEV/HGT (FT)	Markings/ Type, Colour, lighting (LGT)	Remarks
a	b	c	d	e	f
1AUA/GER014	Transmission lines	223209.22S 0172130.54E	6017	Red and White Aerial Balls	NIL
1AUA/GER015	Transmission lines	223157.82S 0172139.60E	6068	Red and White Aerial Balls	NIL
1AUA/GER016	Transmission lines	223145.43S 0172149.43E	6050	Red and White Aerial Balls	NIL
1AUA/GER017	Transmission lines	223131.02S 0172200.88E	6003	Red and White Aerial Balls	NIL

In Area 3					
OBST ID/ Designation	OBST Type	OBST position	ELEV/HGT (FT)	Markings / Type, Colour	Remarks

a	b	c	d	e	f
STEEL TWR	Tower	222915.63S 0172742.14E	5670	NIL	NIL
AMS E_N	Equipment	222847.27S 0172808.32E	5622	NIL	NIL
C_TWR_A	Tower	222910.64S 0172751.22E	5672	LGT	NIL
FLOOD LT1_N	Pole	222915.87S 0172738.82E	5707	LGT	NIL
FLOOD LT2_N	Pole	222914.93S 0172740.86E	5705	LGT	NIL
FLOOD LT3_N	Pole	222913.99S 0172742.89E	5705	LGT	NIL
FLOOD LT4_N	Pole	222912.91S 0172745.25E	5705	LGT	NIL
FLOOD LT5_N	Pole	222911.86S 0172747.51E	5704	LGT	NIL
FLOOD LT6_N	Pole	222910.82S 0172749.79E	5703	LGT	NIL
FLOOD LT7_N	Pole	222909.77S 0172752.06E	5704	LGT	NIL
FLOOD LT8_N	Pole	222908.72S 0172754.33E	5704	LGT	NIL
FLOOD LT9_N	Pole	222907.68S 0172756.61E	5700	LGT	NIL
MET STATION_08	Equipment	222917.34S 0172703.00E	5670	LGT	NIL
MET STATION_26	Equipment	222819.33S 0172908.88E	5544	LGT	NIL

FYWH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated Met office	Windhoek
2.	Hours of service MET office outside hours	H24
3.	Office responsible for TAF preparation Periods of validity	H24
4.	Type of landing forecast Interval of issuance	TREND
5.	Briefing/consultation provided	P, T
6.	Flight documentation Language(s) used	PL, TB English
7.	Charts and other information available for briefing or consultation	S3, U85, U7, U5, U3, U2, P5

8.	Supplementary equipment available for providing information	NIL																		
9.	ATS units provided with information	Windhoek FIC, Cape Town RCC, Johannesburg RCC																		
10.	Additional information (limitation of service, etc.)	1. Satellite imagery. 2. Windssock Geographical Location, Elevation, Marking and Lighting <table border="1"> <thead> <tr> <th colspan="2">Windssock Designation</th><th>Geographical Location and Elevation</th></tr> <tr> <th colspan="2"></th><th>Latitude Longitude Elevation (FT) (Top of Windssock)</th></tr> </thead> <tbody> <tr> <td>Windssock South of THR26</td><td>Windssock South of threshold 26. Measured to top of windssock 23.95 AGL</td><td>222824.89S 0172911.83E 5534.15</td></tr> <tr> <td>Windssock abeam the Apron</td><td>Windssock opposite to the apron. Measured to top of red light 30.51 AGL and Frangible.</td><td>222857.21S 0172743.76E 5621.92</td></tr> <tr> <td>Windssock at Intersection of runway 15/33 and 08/26</td><td>Windssock situated at intersection of Runway 15/33 and 08/26. Measured to top of Windssock 23.95 AGL.</td><td>222859.01S 0172822.03E 5580.05</td></tr> <tr> <td>Windssock Northeast of Threshold 08</td><td>Measured to top of windssock 23.95 AGL and Frangible.</td><td>222919.95S 0172658.40E 5665.75</td></tr> </tbody> </table> Characteristics The wind direction indicators are in a form of a cone made of fabric. The colour of the wind direction indicators is a combination of two colours being red and white arranged in five alternate bands. Windhoek meteorological office Contact Details: Tel: +264 61 2877028	Windssock Designation		Geographical Location and Elevation			Latitude Longitude Elevation (FT) (Top of Windssock)	Windssock South of THR26	Windssock South of threshold 26. Measured to top of windssock 23.95 AGL	222824.89S 0172911.83E 5534.15	Windssock abeam the Apron	Windssock opposite to the apron. Measured to top of red light 30.51 AGL and Frangible.	222857.21S 0172743.76E 5621.92	Windssock at Intersection of runway 15/33 and 08/26	Windssock situated at intersection of Runway 15/33 and 08/26. Measured to top of Windssock 23.95 AGL.	222859.01S 0172822.03E 5580.05	Windssock Northeast of Threshold 08	Measured to top of windssock 23.95 AGL and Frangible.	222919.95S 0172658.40E 5665.75
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Mean daily maximum and minimum temperatures (°C) for each month of the year												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	31,3	28,7	27,6	26,1	23,1	20,4	21,2	24,1	26,9	29,6	29,6	30,2

Min	17,7	16,3	14,4	9,8	5,7	2,8	2,4	5,2	8,5	12,3	15,3	16,4
Mean pressure for each month of the year at approximately the times of MAX and MIN temperatures in hPa												
Max	827,7	829,0	829,7	830,0	831,1	832,3	833,2	832,1	831,0	829,3	829,3	828,3
Min	828,9	829,6	831,0	831,4	832,4	833,6	834,8	833,8	832,8	830,9	830,3	829,4

FYWH AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength of the pavement classification number (PCR) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR Elevation and Highest Elevation of TDZ of Precision APPRWY
1	2	3	4	5	6
08	064.63°	4569 x 45	330/F/D/X/T Asphalt NIL SWY	THR / RWY end 222923.08S 0172658.43E GUND 102 FT	THR 5641 FT TDZ 5635 FT
26	243.63°	4569 x 45	330/F/D/X/T Asphalt NIL SWY	THR 222817.12S 0172921.61E RWY end 222817.12S 0172921.59E GUND 102 FT	THR 5500 FT TDZ 5507 FT
15	141.16°	1523 x 30	NIL PCR Asphalt NIL SWY	THR coordinates 222839.65S 0172808.58E RWY end coordinates 222839.65S 0172808.58E GUND 102 FT	THR 5574 FT
33	321.16°	1523 x 30	NIL PCR Asphalt NIL SWY	THR / RWY end 222918.22S 0172841.99E GUND 102 FT	THR 5564 FT

Designation RWY NR	Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	Dimensions of runway end safety areas
1	7	8	9	10	11
08	RWY-0.9 % SWY NIL	NIL	165	4688 x 280	240 x 180

26	RWY-0.9 % SWY NIL	NIL	120	4688 x 280	240 x 180
15	RWY-0.2 % SWY NIL	NIL	120	1643 x 150	240 x 120
33	RWY-0.2 % SWY NIL	NIL	120	1643 x 150	240 x 120

<i>Designation RWY NR</i>	<i>Location and description of engineering material arresting system (EMAS)</i>	<i>OFZ</i>	<i>Remarks</i>
1	12	13	14
08	NIL	NIL	NIL
26	NIL	NIL	NIL
15	NIL	NIL	NIL
33	NIL	NIL	NIL

FYWH 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
08	4569	4734	4569	4569	NIL
26	4569	4689	4569	4569	NIL
15	1523	1643	1523	1523	NIL
33	1523	1643	1523	1523	NIL

FYWH 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>
1	2	3	4	5	6

08	SALS, 420 M, LIH	Green	PAPI 3°	NIL	4569M 60M White/LIH
26	PALS, 900 M, LIH	Green	PAPI 3°	NIL	4569M 60M White/LIH
15	LIH	Green	NIL	NIL	1523M 60M White/LIH
33	LIH	Green	PAPI 3°	NIL	1523M 60M White/LIH

<i>RWY edge LGT LEN, spacing colour INTST</i>	<i>RWY End LGT colour WBAR</i>	<i>SWY LGT LEN (M) colour</i>	<i>Remarks</i>
7	8	9	10
4569 M/57.50 M, White/LIH	Red	NIL	Last 600 M of RWY is amber
4569.193 M/57.50 M, White/LIH	Red	NIL	NIL
1525 M/57.50 M, White/LIH	Red	NIL	NIL
1525 M/57.50 M, White/LIH	Red	NIL	NIL

FYWH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	<i>ABN/IBN location, characteristics and hours of operation</i>	700 M South of THR RWY 08 ABN FLG G/W 24 HR
2.	<i>LDI location and LGT Anemometer location and LGT</i>	LDI: NIL Anemometer: 75 M W of THR RWY 33, lighted.
3.	<i>TWY edge and centre line lights and stop bars (if any)</i>	Edge: All TWY Centre line: NIL
4.	<i>Secondary power supply/switch-over time</i>	Secondary power to all essential loads Switch-over time >15 seconds
5.	<i>Remarks</i>	NIL

FYWH AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface,	NIL

	strength, marking	
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

FYWH AD 2.17 ATS AIRSPACE

1.	<i>Designation and lateral limits</i>	Windhoek CTR: Lateral Limits: 222105.80S 0172531.48E – clockwise along the arc of a circle, radius 8NM centred at 222817.21S 0172921.40E – 223119.04S 0173721.14E – 223707.98S 0172443.90E – clockwise along the arc of a circle, radius 8NM centred at 222923.02S 0172658.54E – 222211.54S 0172308.70E to point of origin
2.	<i>Vertical limits</i>	SFC to 7500FT AMSL
3.	<i>Airspace classification</i>	C
4.	<i>ATS unit call sign Language(s)</i>	Windhoek Tower English
5.	<i>Transition altitude</i>	10 000 FT MSL
6.	<i>Remarks</i>	- Speed restrictions apply within Windhoek TMA. Refer FYWH AD 2.22 Flight Procedures - Use FYWH QNH within lateral confines of Windhoek TMA at and below 10 000 FT AMSL. Refer ENR 2.1-3 Note 2 - All traffic operating in Class G airspace beneath FYWH TMA, excluding FYD130, must monitor and/or contact Windhoek Approach FREQ 120.5 MHz.

FYWH AD 2.18 ATS COMMUNICATION FACILITIES

<i>Service designation</i>	<i>Call sign</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Remarks</i>
1	2	3	4	5
APP	Windhoek Approach	120.5 MHz	H24	NIL
TWR	Windhoek Tower	118.1 MHz	H24	NIL
ATIS	Windhoek ATIS	126.2 MHz	H24	Daily 0600 – 1900 Operational 50NM radius around the airport on FREQ 126.2 MHz or TEL +264 81 3323509

FYWH AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, CAT of ILS/MLS (for VOR/ILS/MLS give VAR)	ID	Frequency	Hours of Operation	Position of transmitting antenna co-ordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR/DME (12°W/2019)	WHV	114.5 MHz CH92X	H24	222838.52S 0172814.07E	5613 FT	NIL
UHF DME	WHV	Tx 1179 MHz Rx 1116 MHz	H24	222838.52S 0172814.07E	5613.1 FT	Channel 92 X co- axially co-located with VOR
LOC 26 (12°W/2019) ILS CAT I (12°W or 256°)	WD	110.3 MHz	H24	222927.30S 0172649.26E	5650 FT	NIL
GP 26		335.0 MHz	H24	222817.78S 0172910.74E	5540 FT	3°, RDH 49 FT
RNP APCH	N/A	1575.42MHz	H24	N/A	N/A	Transmitting antennas are satellite based.

FYWH AD 2.20 LOCAL AERODROME REGULATIONS

1. AIRPORT REGULATIONS

1.1. Hazard, incident, and Accident Reporting.

All safety hazards, incidents, and accidents to be reported to FYWH Fire Station, Safety Office and emailed to hkiasafety@airports.com.na.

1.2. Reflective Jackets

All pilots and crews operation at Hosea Kutako International Airport, airside must wear a lime and silver reflective stripes jacket depicting their airlines/aircraft operator on the rear side of the jacket for identification and safety precaution measure.

1.3. New Aircraft Operating at HKIA

Aircraft Operators intending to operate an aircraft for the first time at HKIA must apply in writing through the Senior Airport Manager and complete the new Aircraft Application form and may only operate the new aircraft upon approval by the NAC.

1.4. Airport Charges

1.4.1. After Hour Operations

Aircraft wishing to operate outside the operation hours should apply 48HR in advance to APM and a surcharge of

N\$11,406 per hour thereof will apply. This does not apply to emergency aircraft operations.

Operators are advised to operate within the airport operational hours due to additional stakeholder's services required and costs associated thereto.

1.4.2. Landing/Parking and Passenger Fees

All unscheduled and charters flight to effect payment directly to NAC upon arrival and before departure and not to any third parties, Payment can be done at Apron Office located at the Fire Station.

1.5. Aircraft Ground Handling

Aircraft Operators are to make arrangement only with the licensed ground handling operator at HKIA.

1.6. Circuit Altitude:

- a) Turbine-powered aircraft 7 000 FT ALT
- b) Reciprocating engine powered aircraft 6500 FT ALT.

2. TAXIING TO AND FROM STANDS

2.1. Landing

From runway 26: follow parallel taxiway via intersection Echo/Charlie or Bravo exit to apron.

From runway 08: follow parallel taxiway via intersection Bravo/ Charlie or Echo exit to apron.

From runway 15: follow parallel taxiway via Delta exit to apron.

From runway 33: follow parallel taxiway via Delta exit to apron.

2.2. Take-off

From the apron to holding point Alpha runway 08: follow parallel taxiway leading to holding point Bravo enter runway 08/26 to the turning circle Alpha runway 08.

From the apron to holding point Bravo runway 08: follow parallel taxiway to holding point Bravo.

From the apron to holding point Charlie runway 08: follow parallel taxiway to holding point Charlie.

From the apron to holding point Delta runway 26: follow parallel taxiway leading to holding point Delta.

Runway 26: follow parallel taxiway leading to intersection Delta.

From the apron to holding point Echo runway 26: follow parallel taxiway leading to Delta intersection, cross runway 16/34 leading to the holding point Echo.

From the apron to holding point Foxtrot runway 26: follow parallel taxiway leading to the Delta intersection, cross runway 15/33 leading to the holding point Echo enter Runway 08/26 to turning circle Foxtrot runway 26.

3. PARKING AREA FOR SMALL AIRCRAFT (GENERAL AVIATION)

There is no designated stands for the parking of small aircrafts. Pilots are strictly requested to adhere to the marshalling signals from the Marshaller.

No aircraft mooring points available at FYWH. ACFT mooring weights AVBL. 2X35Kg pairs, 3X50Kg pairs, 3X70Kg pairs. The key for the mobile trolley is available at the Apron Safety Office. Aircraft Operator responsible for returning mooring weights after use.

4. PARKING AREA FOR HELICOPTERS

NIL

5. APRON – TAXIING DURING WINTER CONDITIONS

NIL

6. TAXIING - LIMITATIONS

NIL

7. SCHOOL AND TRAINING FLIGHTS - TECHNICAL TEST FLIGHTS - USE OF RUNWAYS

Instrument training slot time required, including night flying. Phone Eros Briefing office on +264 61 702083 or obtain in person at the Briefing Office. Maximum 3 days in advance. Pilots must advise ATC prior to taxi of Slot Time Reference

Number (STRN) allocated at time of booking.

8. HELICOPTER TRAFFIC - LIMITATION

NIL

9. REMOVAL OF DISABLED AIRCRAFT FROM RUNWAYS

The registered owner or aircraft operator will always retain complete responsibility for the removal of the disabled aircraft. All airline operators at FYWH are expected to have an aircraft recovery plan. For non-airlines operators at FYWH, the pilot or aircraft owner is responsible for the immediate removal and or disposal of the disabled aircraft.

Disabled aircraft removal coordinator:

Mr. Alexander Gairiseb

Senior Airport Manager

Tel: +264 61 295 5601

Fax: NIL

Cell: +264 81 143 4740 (during or after hours)

Email: gairiseba@airports.com.na

Website: www.airports.com.na

10. LIMITATIONS ON THE USE OF THE AERODROME

10.1 Simultaneous Movement of Aircraft

No aircraft shall be permitted to hold at intersections B, C, D, and E for departure whilst Code D and higher aircraft is landing or taking off.

Allowable Movements

Simultaneous movements of Code C and lower aircraft are permitted only during visual meteorological conditions.

Any aircraft will be permitted to taxi from the apron once the landing aircraft (Code D and E) announces that the landing roll is complete.

Non-Allowable Movements

No simultaneous movements of any aircraft type or code are permitted during instrument meteorological conditions.

No simultaneous movements of any aircraft type or code are permitted during night operations.

Simultaneous movement of Code D and higher aircraft is prohibited during visual meteorological conditions.

No aircraft shall be permitted to hold at intersections B, C, D, and E for departure whilst another aircraft is landing or taking off.

10.2 Preflight Altimeter Checkpoints

NAC has currently not established and thus not published the preflight altimeter check locations. The pre-flight altimeter checks are currently conducted on any position on the Apron. Pilots obtain the QNH from ATC, which is obtained from the Pressure Sensor of Meteorological Services.

10.3 Apron Markings

Airport Apron lead in lines are not commensurate with aircraft operations. There are no aircraft stand markings on FYWH apron. Pilots are to follow aircraft marshaller instructions.

FYWH AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

FYWH AD 2.22 FLIGHT PROCEDURES

General:

Communication Failure Procedure

Aircraft should adhere to the procedures stipulated in ENR 1.5 Section 6 (ICAO Doc 4444 Chapter 15, 15.3). In addition, the relevant procedures below shall be applied by inbound aircraft.

If able contact ATC on telephone +264 61 702 290

For IFR Traffic

1. Squawk 7600
2. Approach clearance received and acknowledged:
Continue approach according to clearance.
3. No approach clearance received and acknowledged:
 - Maintain last assigned level received and acknowledged, but not below MSA.
 - Proceed via WHV VOR then via R050 WHV to intercept the 14DME arc to join the hold at IMPEP;
 - In IMPEP hold descent to 8000FT MSL.
 - Carry out instrument approach to the most suitable runway, or if EAT is received and acknowledged, leave IMPEP on EAT.

4. If issued with a STAR, refer to Communication Failure Procedure for the STAR being flown. Comply with all lateral, vertical and speed requirements of the STAR. Holding is not required when issued with a STAR, unless an EAT has been received and acknowledged including delays/holding for traffic management purposes.

For VFR traffic

- a) Squawk Code 7600
- b) Join overhead the aerodrome at 2000FT AGL
- c) Observe and join the Aerodrome traffic circuit
- d) Make all turns to the left whenever possible
- e) Land as soon as possible and report to the ATC

Speed Restriction

Speed restrictions within Windhoek TMA for arriving and departing aircraft, MAX IAS 250KT restriction applies at and below FL150. Speed is mandatory and must be complied with. ATC may vary the speeds for traffic management purposes.

FYWH AD 2.23 ADDITIONAL INFORMATION

Bird concentrations in the vicinity of the airport.

1. Concentration of birds around the runway and in the vicinity of the aerodrome, pilots and airport users to exercise caution.

FYWH AD 2.24 CHARTS RELATED TO HOSEA KUTAKO AERODROME

	Page
Aerodrome Chart – ICAO	AD 2-21
Area Chart – ICAO (Reserved)	AD 2-23
Standard Departure Chart – Instrument – ICAO EGMAS 2A, UVORI 2A RWY 08	AD 2-25
Narrative EGMAS 2A and UVORI 2A RWY 08	AD 2-26
Standard Departure Chart – Instrument – ICAO EGMAS 2B, UVORI 2B RWY 26	AD 2-27
Narrative EGMAS 2B, UVORI 2B RWY 26	AD 2-28
Standard Arrival Chart – Instrument – ICAO ATUPI 1A, AXODO 1A RWY 08	AD 2-29
Narrative ATUPI 1A, AXODO 1A RWY 08	AD 2-30
Standard Arrival Chart – Instrument – ICAO ATUPI 1B, AXODO 1B RWY 26	AD 2-31
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ATC Surveillance Minimum Altitude Chart – ICAO	AD 2-33
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Instrument Approach Chart – ICAO CIRCLING VOR RWY 26	AD 2-37

Data Code Circling VOR RWY 26	AD 2-38
Instrument Approach Chart – ICAO RNP RWY 08	AD 2-39
Data Code RNP RWY 08	AD 2-40
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Data Code RNP RWY 26	AD 2-42
Visual Approach Chart – FYWH	AD 2-43
Visual Approach Chart – FYWE and FYWH	AD 2-45
Aerodrome Obstacle Chart - ICAO	AD 2-47

AERODROME CHART

22°28'52."S
17°28'14."E
ELEV 5641 FT

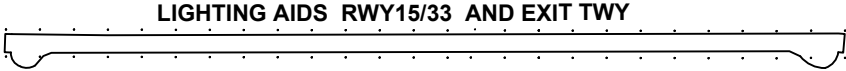
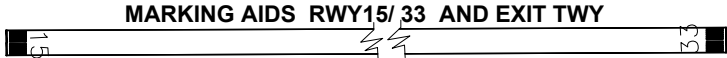
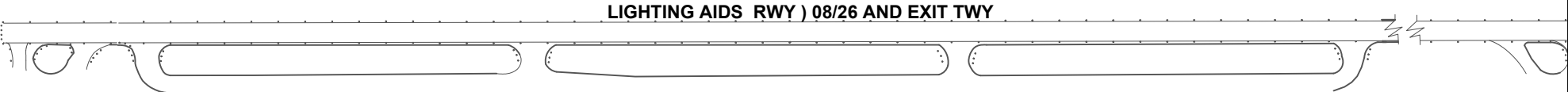
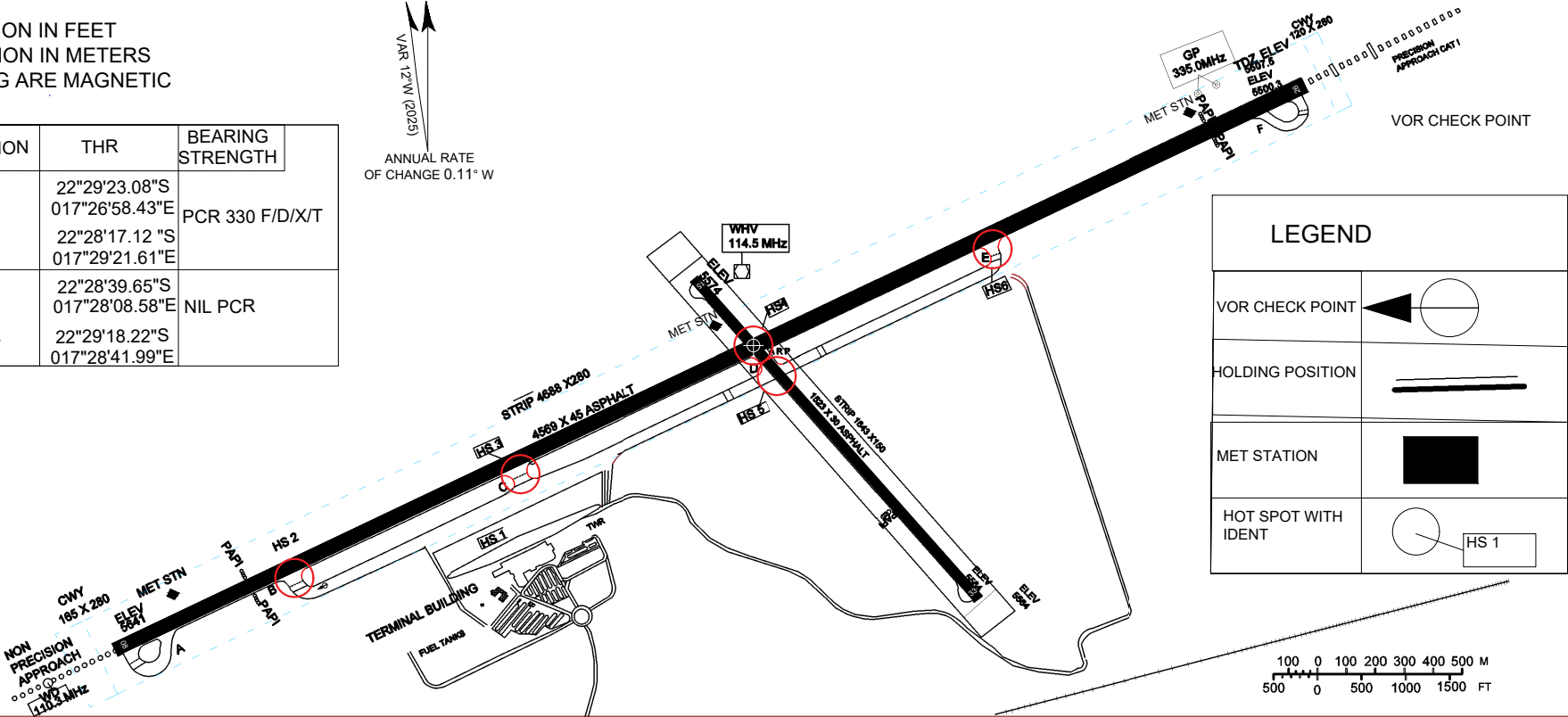
WINDHOEK TWR 118.1
WINDHOEK APP 120.5
WINDHOEK ATIS 126.2

WINDHOEK/
HOSEA KUTAKO INTERNATIONAL AIRPORT

RWY	DIRECTION	THR	BEARING STRENGTH
08	064°	22°29'23.08"S 017°26'58.43"E	PCR 330 F/D/X/T
26	243°	22°28'17.12 "S 017°29'21.61"E	
15	141°	22°28'39.65"S 017°28'08.58"E	NIL PCR
33	321°	22°29'18.22"S 017°28'41.99"E	

ELEVATION IN FEET
DIMENSION IN METERS
BEARING ARE MAGNETIC

VAR 12° W (2025)
ANNUAL RATE
OF CHANGE 0.11° W



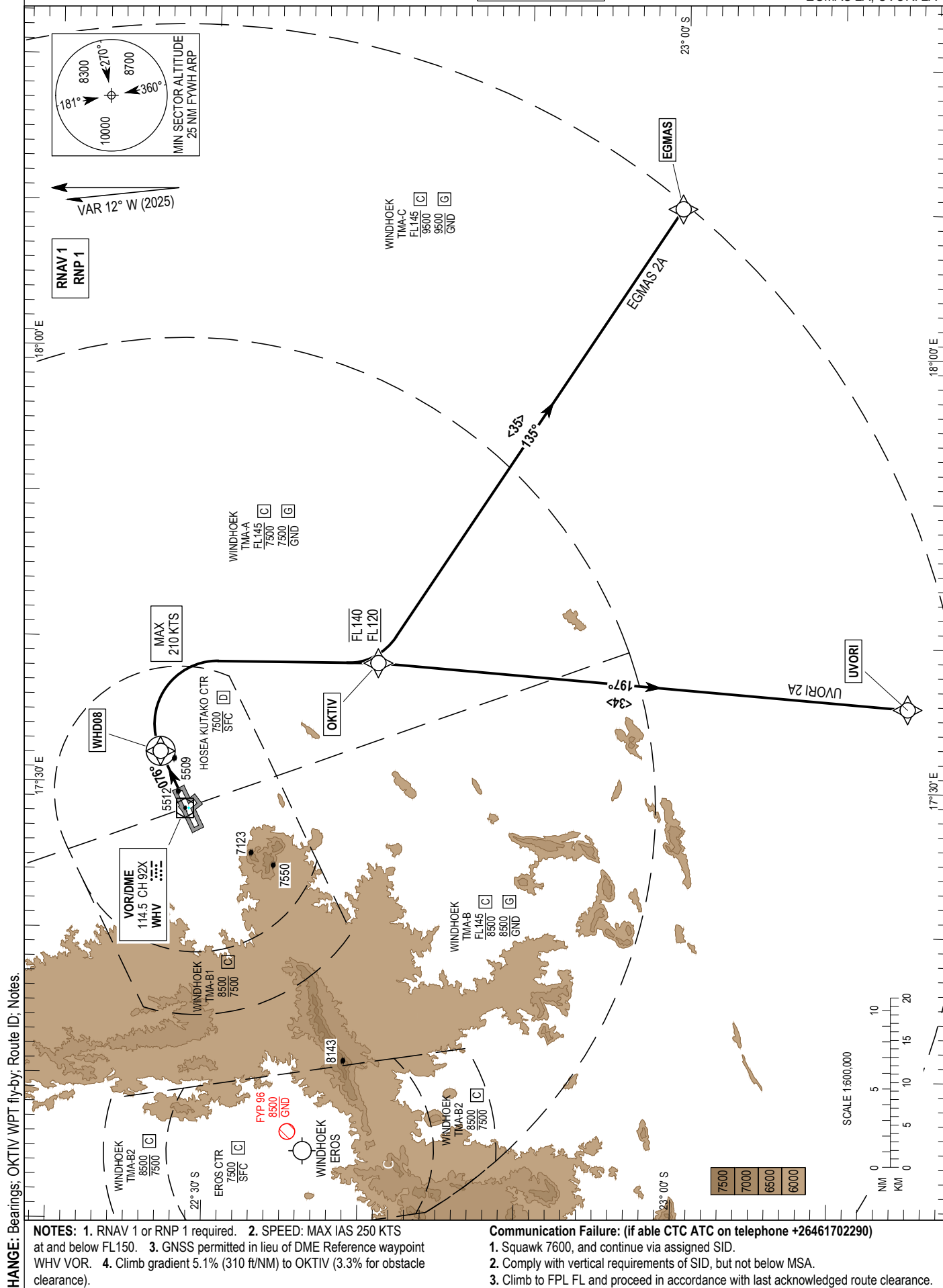
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Area Chart – ICAO (Reserved)

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ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - HOSEA KUTAKO / INTL (FYWH)
RWY 08
JET ONLY (ACFT CAT A, B, C, D)
EGMAS 2A, U'VORI 2A



EGMAS 2A SID RWY08

EGMA 2A

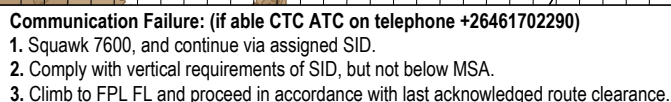
Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	WHD08	222700.5 / 0173207.8	CF	Fly-Over	063.6 / 076	-	-	210	R078 / D4.0 WHV
RNAV 1	OKTIV	224051.0 / 0173825.1	DF	Fly-By	-	-	-FL140/+FL120	250	Turn R
RNAV 1	EGMAS	225947.2 / 0181007.5	TF	Fly-By	122.9 / 135	34.8	-	-	-

UVORI 2A SID RWY08

UVOR 2A

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	WHD08	222700.5 / 0173207.8	CF	Fly-Over	063.6 / 076	-	-	210	R078 / D4.0 WHV (065.7
RNAV 1	OKTIV	224051.0 / 0173825.1	DF	Fly-By	-	-	-FL140/+FL120	250	Turn R
RNAV 1	UVORI	231445.1 / 0173549.0	TF	Fly-By	184.1 / 197	33.9	-	-	-

WINDHOEK - HOSEA KUTAKO / INTL (FYWH)
RWY 26
JET ONLY (ACFT CAT A, B, C, D)
EGMAS 2B, UVORI 2B



EGMAS 2B SID RWY26

EGMA 2B

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	WHD26	223205.1 / 0172106.3	CF	Fly-Over	243.6 / 256	-	-	210	R255 / D7.4 WHV
RNAV 1	COOEE	224446.4 / 0173011.0	DF	Fly-By	-	-	-FL140 /+FL120	250	Turn L
RNAV 1	EGMAS	225947.2 / 0181007.5	TF	Fly-By	112.2 / 125	39.8	-	-	-

UVORI 2B SID RWY26

UVOR 2B

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	WHD26	223205.1 / 0172106.3	CF	Fly-Over	243.6 / 256	-	-	210	R255 / D7.4 WHV
RNAV 1	COOEE	224446.4 / 0173011.0	DF	Fly-By	-	-	-FL140 /+FL120	250	Turn L
RNAV 1	UVORI	231445.1 / 0173549.0	TF	Fly-By	170.1 / 183	30.3	-	-	-

STANDARD ARRIVAL CHART -
INSTRUMENT (STAR) - ICAO

TRANS ALT 10000 FT
TRANS LEVEL by ATC

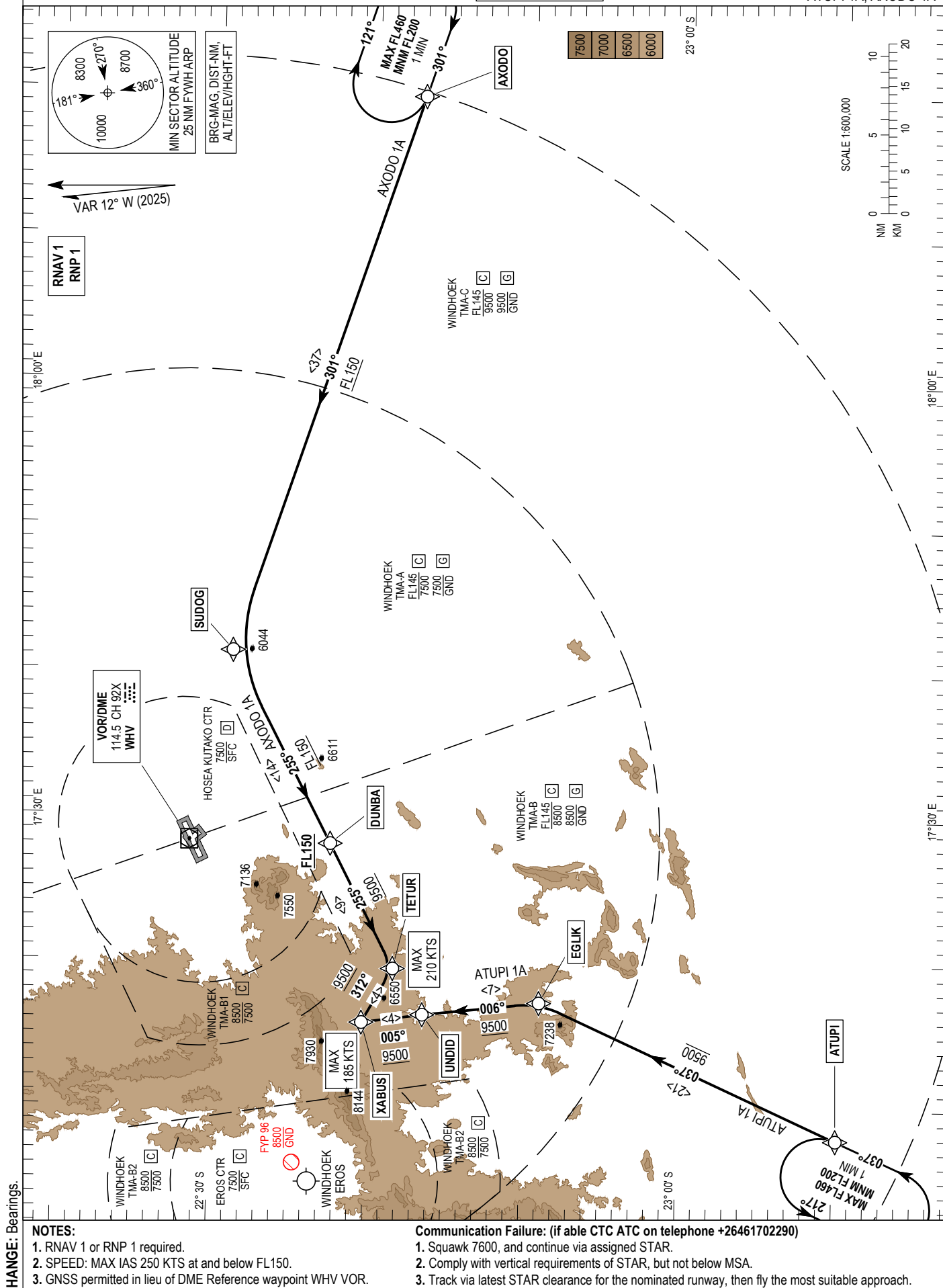
ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - HOSEA KUTAKO / INTL (FYWH)

RWY 08

JET ONLY

(ACFT CAT A, B, C, D)
ATUPI 1A, AXODO 1A



CHANGE: Bearings.

ATUPI 1A STAR RWY08

ATUP 1A

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	ATUPI	231013.7 / 0170755.4	IF	-	-	-	- / +FL200	-	-
RNAV 1	EGLIK	225109.1 / 0171713.7	TF	Fly-By	024.3 / 037	20.9	- / +A9500	-	-
RNAV 1	UNDID	224341.2 / 0171619.5	TF	Fly-By	353.6 / 006	7.5	- / +A9500	210	Turn L
RNAV 1	XABUS	223948.6 / 0171546.0	TF	Fly-By	352.4 / 005	3.9	- / +A9500	185	-

AXODO 1A STAR RWY08

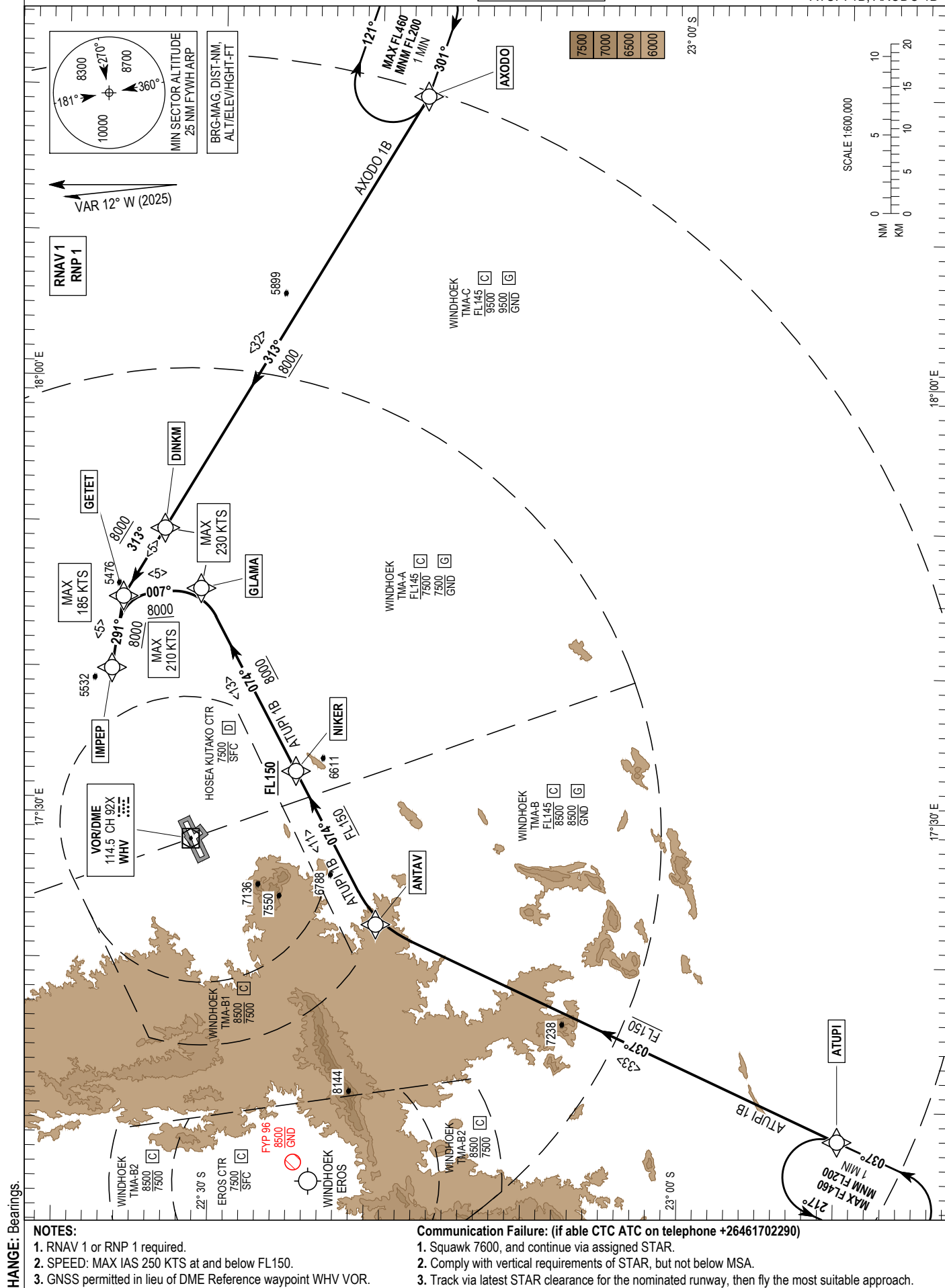
AXOD 1A

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	AXODO	224257.2 / 0181936.5	IF	-	-	-	- / +FL200	-	-
RNAV 1	SUDOG	223114.9 / 0174117.4	TF	Fly-By	288.1 / 301	37.3	- / +FL150	-	-
RNAV 1	DUNBA	223739.3 / 0172803.2	TF	Fly-By	242.4 / 255	13.8	- / +FL150	-	Turn L
RNAV 1	TETUR	224145.9 / 0171929.6	TF	Fly-By	242.6 / 255	8.9	- / +A9500	210	-
RNAV 1	XABUS	223948.6 / 0171546.0	TF	Fly-By	299.5 / 312	4.0	- / +A9500	185	Turn R

Hold Identification

Holding Fix	Latitude (S) / Longitude (E)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Level / Altitude (FL/ft)	Maximum Holding Level / Altitude (FL/ft)	Outbound time (min)	Direction of Turn
ATUPI	231013.7 0170755.4	024.0	037	315	+FL200	-FL460	1	L
AXODO	224257.2 0181936.5	287.9	301	315	+FL200	-FL460	1	R

WINDHOEK - HOSEA KUTAKO / INTL (FYWH)
RWY 26
JET ONLY (ACFT CAT A, B, C, D)
ATUPI 1B, AXODO 1B



ATUPI 1B STAR RWY26

ATUP 1B

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	ATUPI	231013.7 / 0170755.4	IF	-	-	-	- / +FL200	-	-
RNAV 1	ANTAV	224032.1 / 0172229.8	TF	Fly-By	024.5 / 037	32.5	- / +FL150	-	-
RNAV 1	NIKER	223517.8 / 0173258.9	TF	Fly-By	061.7 / 074	11.0	- / +FL150	250	Turn R
RNAV 1	GLAMA	222902.6 / 0174527.1	TF	Fly-By	061.7 / 074	13.1	- / +A8000	230	-
RNAV 1	GETET	222405.1 / 0174450.7	TF	Fly-By	353.5 / 007	5.0	- / +A8000	210	Turn L
RNAV 1	IMPEP	222325.2 / 0173954.0	TF	Fly-By	278.2 / 291	4.6	- / +A8000	185	-

AXODO 1B STAR RWY26

AXOD 1B

Nav. Spec.	WPT Name	Latitude (S) / Longitude (E)	Path Term	Fly-By Fly-Over	True Track / Mag Track	Distance (NM)	Upper Limit / Lower Limit (ft)	Speed Limit (kts)	Remarks
RNAV 1	AXODO	224257.2 / 0181936.5	IF	-	-	-	- / +FL200	-	-
RNAV 1	DINKM	222639.9 / 0174933.7	TF	Fly-By	300.2 / 313	32.2	- / +A8000	230	-
RNAV 1	GETET	222405.1 / 0174450.7	TF	Fly-By	300.5 / 313	5.1	- / +A8000	210	-
RNAV 1	IMPEP	222325.2 / 0173954.0	TF	Fly-By	278.2 / 291	4.6	- / +A8000	185	-

Hold Identification

Holding Fix	Latitude (S) / Longitude (E)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Level / Altitude (FL/ft)	Maximum Holding Level / Altitude (FL/ft)	Outbound Time (min)	Direction of Turn
ATUPI	231013.7 0170755.4	024.0	037	315	+FL200	-FL460	1	L
AXODO	224257.2 0181936.5	287.9	301	315	+FL200	-FL460	1	R

AERODROME ELEV - **5641 FT**
TRANSITION ALT - **10000 FT**

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK
Hosea Kutako/Intl.
(FYWH)



ATC Surveillance Minimum Altitude Coordinates

Sector 1. MNM ALT 7200 FT

22°21'11"S 017°25'19"E, 22°27'14"S 017°27'41"E,
arc 1.5 NM radius centre 22°28'39"S 017°28'14"E,
22°29'22"S 017°29'39"E, 22°32'16"S 017°35'17"E,
22°31'19"S 017°37'21"E,
arc 8 NM radius centre 22°28'17"S 017°29'21"E,
22°21'05"S 017°25'34"E, 22°21'11"S 017°25'19"E

Sector 2. MNM ALT 7700 FT

22°32'16"S 017°35'17"E, 22°29'22"S 017°29'39"E,
arc 1.5 NM radius centre 22°28'39"S 017°28'14"E,
22°30'03"S 017°28'47"E, 22°34'28"S 017°30'31"E,
22°32'16"S 017°35'17"E

Sector 3. MNM ALT 8000 FT

22°21'11"S 017°25'19"E, 22°00'21"S 017°17'12"E,
arc 30 NM radius centre 22°28'39"S 017°28'14"E,
22°56'55"S 017°39'21"E, 22°34'28"S 017°30'31"E,
22°31'19"S 017°37'21"E,
arc 8 NM radius centre 22°28'17"S 017°29'21"E,
22°21'05"S 017°25'34"E, 22°21'11"S 017°25'19"E

Sector 4. MNM ALT 9000 FT

22°00'21"S 017°17'12"E, 22°27'14"S 017°27'41"E,
arc 1.5 NM radius centre 22°28'39"S 017°28'14"E,
22°30'03"S 017°28'47"E, 22°56'55"S 017°39'21"E,
arc 30 NM radius centre 22°28'39"S 017°28'14"E,
22°56'07"S 017°15'01"E, 22°55'13"S 017°15'28"E,
arc 29 NM radius centre 22°28'39"S 017°28'14"E,
22°49'33"S 017°06'26"E, 22°37'18"S 017°19'14"E,
arc 12 NM radius centre 22°28'39"S 017°28'14"E,
22°31'57"S 017°15'47"E, 22°36'53"S 016°57'04"E,
arc 30 NM radius centre 22°28'39"S 017°28'14"E,
22°00'21"S 017°17'12"E

Sector 5. MNM ALT 9500 FT

22°36'53"S 016°57'04"E, 22°31'57"S 017°15'47"E,
arc 12 NM radius centre 22°28'39"S 017°28'14"E,
22°37'18"S 017°19'14"E, 22°50'16"S 017°05'41"E,
arc 30 NM radius centre 22°28'39"S 017°28'14"E,
22°36'53"S 016°57'04"E

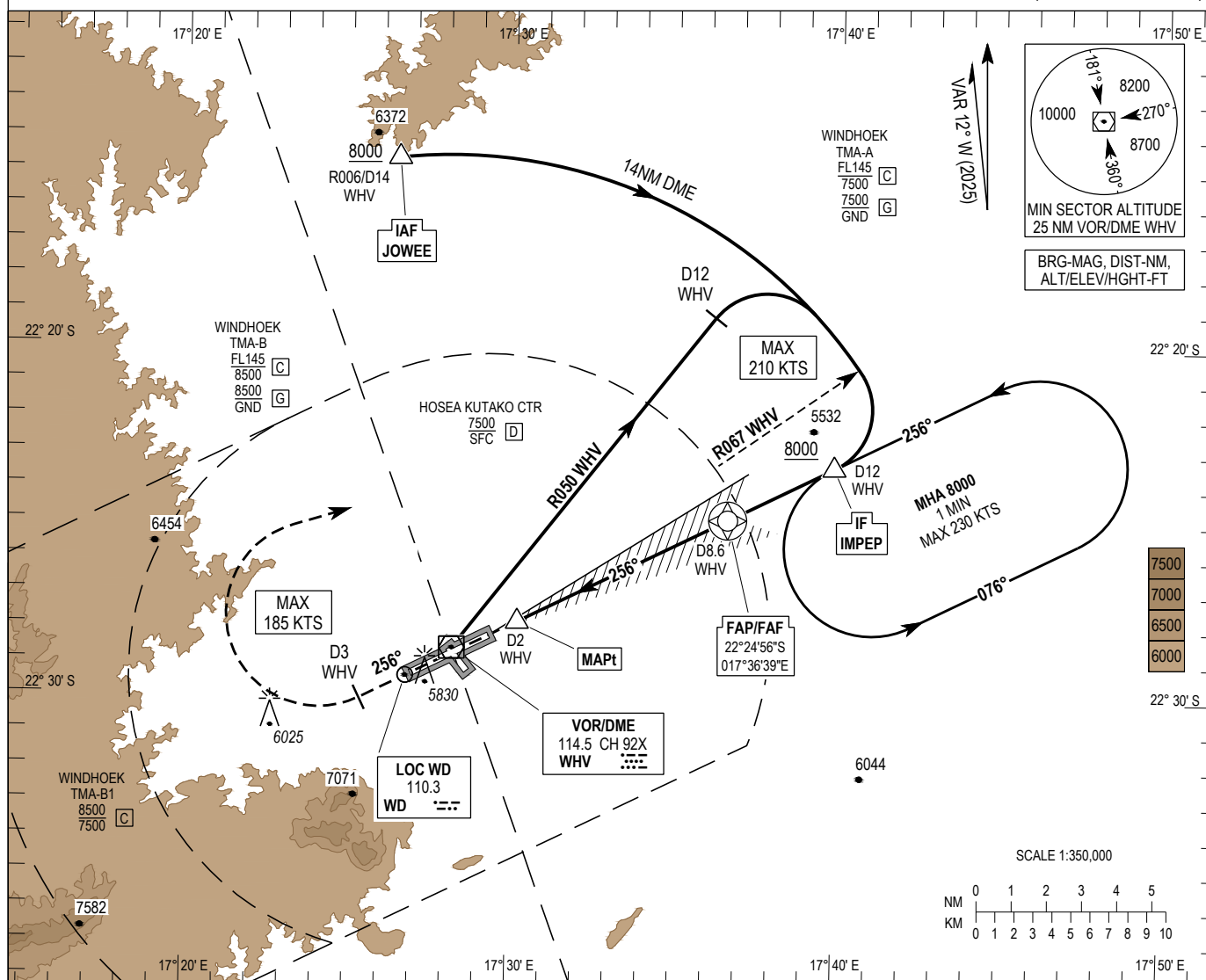
Sector 6. MNM ALT 10000 FT

22°56'07"S 017°15'01"E,
arc 30 NM radius centre 22°28'39"S 017°28'14"E,
22°50'16"S 017°05'41"E, 22°49'33"S 017°06'26"E,
arc 29 NM radius centre 22°28'39"S 017°28'14"E,
22°55'13"S 017°15'28"E, 22°56'07"S 017°15'01"E
Arc 50NM radius centre 22°28'39"S 017°28'28"E

AERODROME ELEV 5641 ft
HEIGHTS RELATED TO
THR RWY 26 - ELEV 5501 ft

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

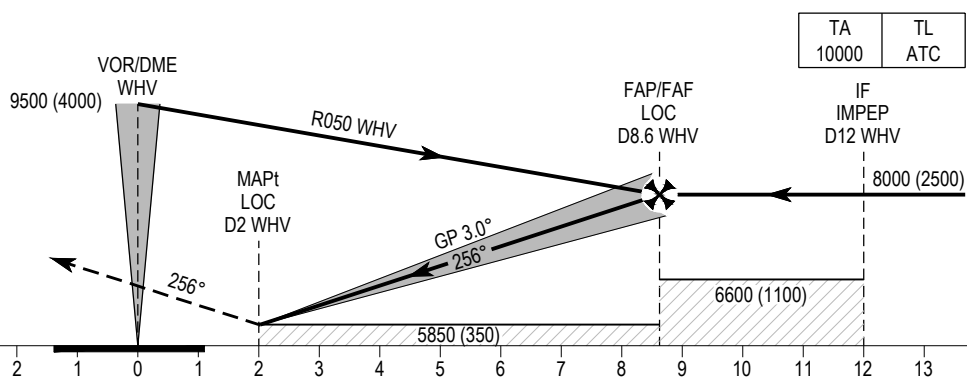
WINDHOEK (FYWH)
- HOSEA KUTAKO / INTL
ILS or LOC RWY 26
(ACFT CAT A, B, C, D)



Climb straight ahead on track 256°. At D3 WHV turn right (MAX IAS 185 KTS) and intercept R050 outbound. At D12 WHV turn right (MAX IAS 210 KTS) to intercept D14 ARC WHV. Passing R067 intercept the LOC and continue to IMPEP to join the hold or as instructed by ATC. Climb to 8000.

RDH 49

ELEV 5501 ft (THR RWY 26)



OCA (H)	A	B	C	D
ILS CAT I	5700 (200)	5715 (215)	5725 (225)	5735 (235)
LOC	5850 (350)			
Visual Manoeuvring North of RWY (Heights AAL) Circling to the South Prohibited	6140 (497)	6250 (607)	6520 (877)	6590 (947)

NOTES: 1. WHV DME required.
2. GNSS permitted in lieu of DME. Reference waypoint WHV VOR.

Recommended LOC Profile on Final Approach							
DIST WHV DME	2	3	4	5	6	7	8
ALT / HT (ft)	5850 (350)	6160 (660)	6470 (970)	6790 (1290)	7110 (1610)	7430 (1930)	7750 (2250)
Ground Speed		kts	80	100	120	140	160
Descent rate gradient - 5.2% (3.0°) 318 ft/NM		ft / min	430	530	640	740	850

ILS RWY26 Approach

Descent Angle:	(3.00°)					
Fix	IAF JOWEE (D14 WHV)	IF IMPEP (D12 WHV)	FAP (D8.6 WHV)	TP (D3 WHV)	TP (D12 WHV)	VOR/DME WHV -
Fix Coordinates	221441.4S 0172627.6E	222325.2S 0173954.0E	222455.6S 0173638.7E	223006.4S 0172524.3E	221909.0S 0173612.2E	222838.5S 0172814.1E
Fix Formation Bearing (°T)	353.25 WHV	063.64 WD	063.64 WD	240.87 WHV	038.00 WHV	-
Fix Formation Distances	14.00 WHV	12.00 WHV	8.63 WHV	3.00 WHV	12.00 WHV	-

LOC only RWY26 Approach

Descent Angle:	(3.00°)						
Fix	IAF JOWEE (D14 WHV)	IF IMPEP (D12 WHV)	FAF (D8.6 WHV)	MAPt (D2.0 WHV)	TP (D3 WHV)	TP (D12 WHV)	VOR/DME WHV -
	221441.4S 0172627.6E	222325.2S 0173954.0E	222455.6S 0173638.7E	222753.0S 0173014.0E	223006.4S 0172524.3E	221909.0S 0173612.2E	222838.5S 0172814.1E
Fix Formation Bearing (°T)	353.25 WHV	063.64 WD	063.64 WD	063.64 WD	240.87 WHV	038.00 WHV	-
Fix Formation Distances	14.00 WHV	12.00 WHV	8.63 WHV	2.00 WHV	3.00 WHV	12.00 WHV	-

Hold Identification

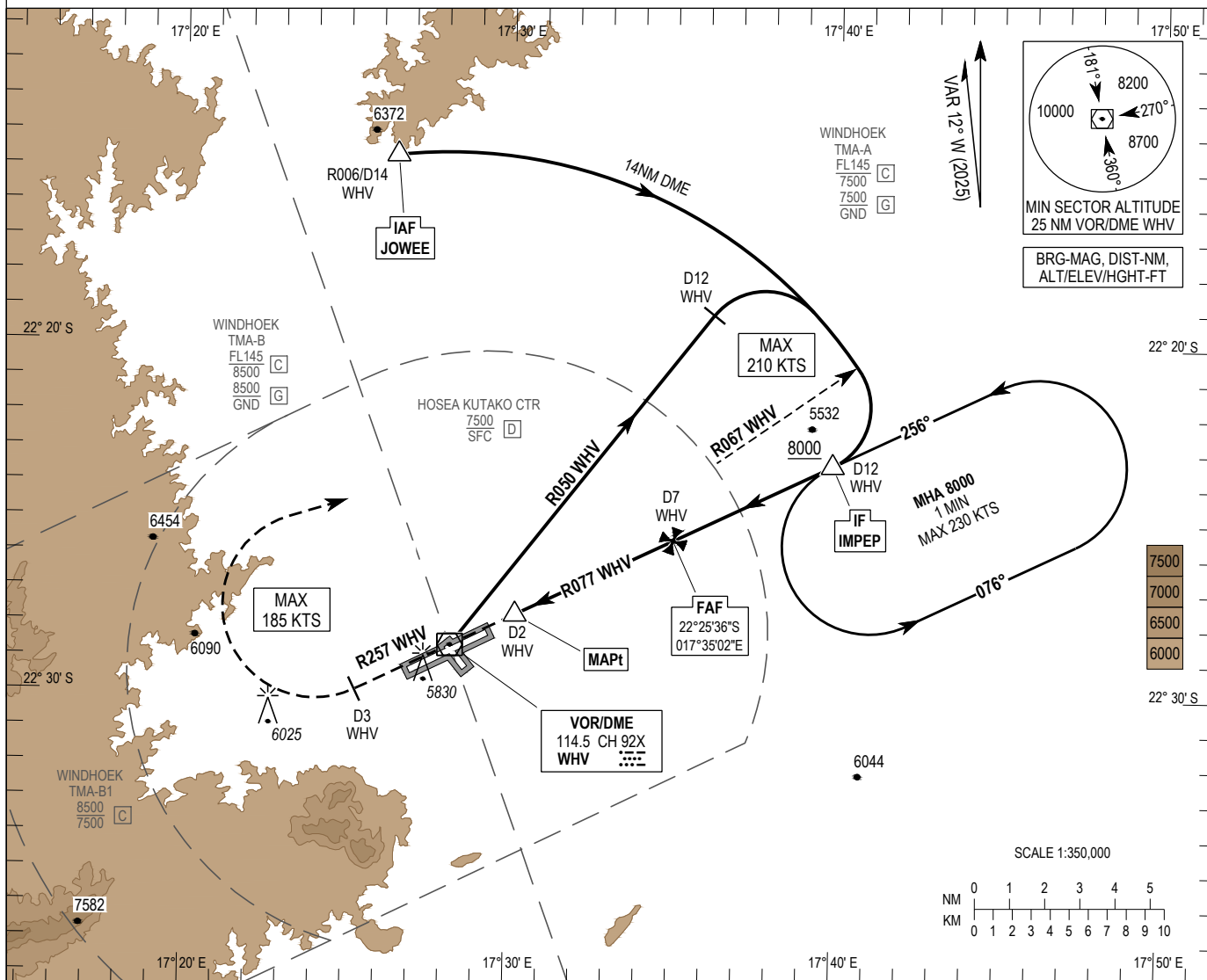
Holding Fix	Latitude (S) / Longitude (E)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Level / Altitude (FL/ft)	Maximum Holding Level / Altitude (FL/ft)	Outbound Time (min)	Direction of Turn
IMPEP D12 WHV	222325.2 0173954.0	243.5	256	230	+A8000	-	1	L

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 5641 ft
HEIGHTS RELATED TO THR
ELEV - 5501 ft

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK (FYWH)
- HOSEA KUTAKO / INTL
CIRCLING VOR RWY 26
(ACFT CAT A, B, C, D)

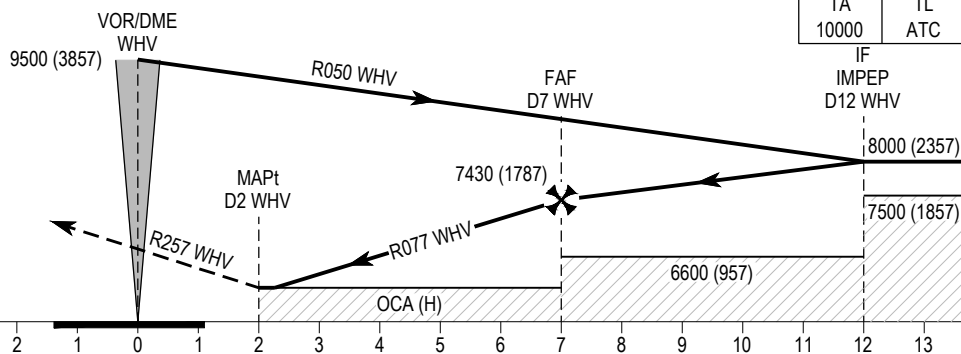


MISSED APPROACH:

Climb straight ahead on R257.
At D3 WHV turn right (MAX IAS 185 KTS)
and intercept R050 outbound. At D12
WHV turn right (MAX IAS 210 KTS)
to intercept D14 ARC WHV. Passing R067
turn right, intercept R077 inbound
and continue to IMPEP to join the hold
or as directed by ATC. Climb to 8000.

ELEV 5501 ft (THR RWY 26)

NM FROM VOR/DME WHV



OCA (H)	A	B	C	D
Visual Manoeuvring North of RWY (Heights AAL)	6140 (497)	6250 (607)	6520 (877)	6590 (947)
Circling to the South Prohibited				

NOTES: 1. WHV DME required.
2. GNSS permitted in lieu of DME. Reference waypoint WHV VOR.

Recommended Profile on Final Approach (3.0° / 5.2%)							
DIST WHV DME	3	4	5	6	7		
ALT / HT (ft)	6730 (1087)	7040 (1397)	7360 (1717)	7680 (2037)	8000 (2357)		
Ground Speed		kts	80	100	120	140	160
Descent rate gradient - 5.2% (3.0°) 320 ft/NM		ft / min	430	530	640	740	850

CHANGES: AD Elev, THR Elev.

VOR RWY26 Approach

Descent Angle:	5.24% (3.00°)						
Fix	IAF JOWEE (D14 WHV)	IF IMPEP (D12 WHV)	FAF - (D7.0 WHV)	MAPt - (D2.0 WHV)	TP - (D3 WHV)	TP - (D12 WHV)	VOR/DME WHV -
Fix Coordinates	221441.4S 0172627.6E	222325.2S 0173954.0E	222535.9S 0173502.3E	222745.4S 0173012.9E	222956.8S 0172518.9E	221909.0S 0173612.2E	222838.5S 0172814.1E
Fix Formation Bearing (°T)	353.25 WHV	064.32 WHV	064.32 WHV	064.32 WHV	244.32 WHV	038.00 WHV	-
Fix Formation Distances	14.00 WHV	12.00 WHV	7.00 WHV	2.00 WHV	3.00 WHV	12.00 WHV	-

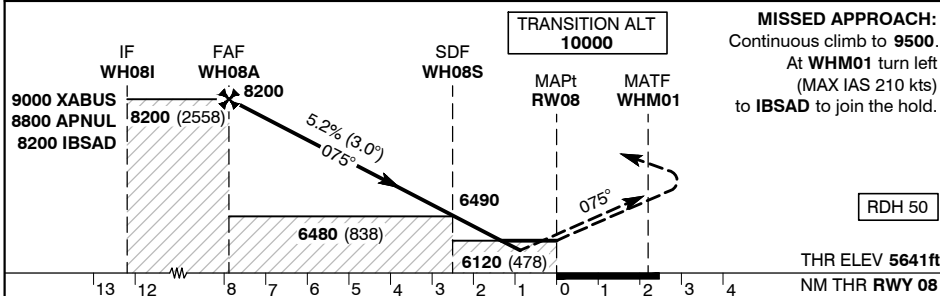
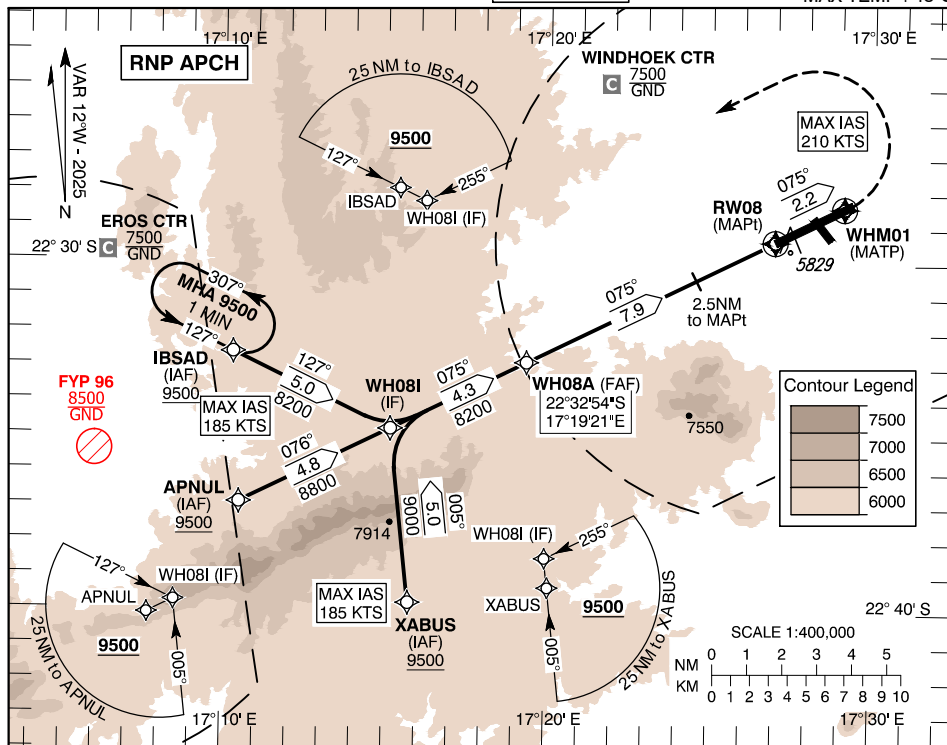
Hold Identification

Holding Fix	Latitude (S) / Longitude (E)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Level / Altitude (FL/ft)	Maximum Holding Level / Altitude (FL/ft)	Outbound Time (min)	Direction of Turn
IMPEP D12 WHV	222325.2S 0173954.0E	243.5	256	230	+A8000	-	1	L

INSTRUMENT AERODROME ELEV - 5641 FT
APPROACH HEIGHT RELATED TO
CHART - ICAO THR RWY - 08 ELEV - 5641 FT

ATIS 126.20
 APP 120.50
 TWR 118.10
 APN 125.90

WINDHOEK - Hosea (FYWH)
Kutako/Intl. **RNP RWY 08**
 MNM TEMP -15°C
 MAX TEMP +48°C



CHANGES: MAG VAR, THR, Elev.

Aircraft CAT		A		B		C		D		NOTES: 1. Track shortening inside IAF not permitted.
OCA (H)	LNAV	6120 (478)								
	LNAV/VNAV	5980 (338)	6000 (358)	6010 (368)	6020 (378)					
Circling (Heights AAL)		6300 (659)	6500 (859)	8100 (2459)	8100 (2459)					
Circling - N of RWY (AAL)		6150 (509)	6260 (619)	6570 (929)	6630 (989)					
Distance to MAPt	NM	7	6	5	4	3	2			
Altitude	FT	7920 (2278)	7600 (1958)	7280 (1638)	6960 (1318)	6650 (1008)	6330 (688)			
Ground Speed	KTS	80	100	120	140	160	Bearings are magnetic. Altitudes, Elevation and Heights in feet. Distances in NM.			
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850				

NOTES:

1. Track shortening inside IAF not permitted.

Bearings are magnetic.
 Altitudes, Elevation and Heights in feet. Distances in NM.

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track / Magnetic track	Distance [nm]	Turn direction	Upper limit / Lower limit	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	XABUS	22°39'48.57"S / 017°15'46.04"E	-	-	-	-	-	185	-	-
2	RNP APCH	TF	WH08I	22°34'49.38"S / 017°15'10.13"E	N	353.6 / 005	5.0	-	-	185	-	-
3	RNP APCH	TF	WH08A	22°32'53.88"S / 017°19'20.88"E	N	063.6 / 075	4.3	R	- / 8200	-	-	-
4	RNP APCH	TF	WH08S	22°30'29.98"S / 017°24'33.34"E	N	063.6 / 075	5.4	-	-	-	-	-
5	RNP APCH	TF	RW08	22°29'23.07"S / 017°26'58.44"E	Y	063.6 / 075	2.5	-	-	-	3.00 / 50	-
6	RNP APCH	CF	WHM01	22°28'24.27"S / 017°29'06.09"E	Y	063.6 / 075	-	-	-	210	-	085° WHV / D0.8 WHV
7	RNP APCH	DF	IBSAD	22°32'39.16"S / 017°10'17.90"E	N	-	-	L	-	210	-	-

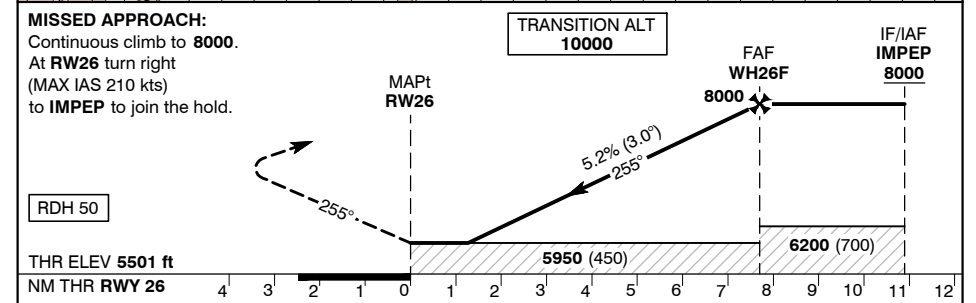
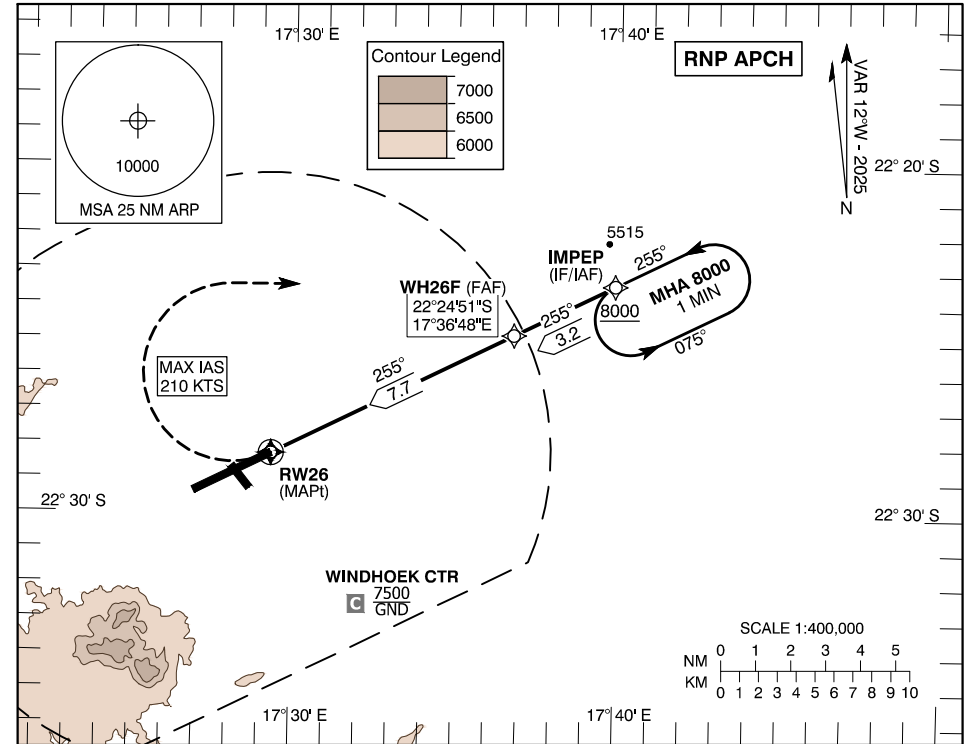
Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track / Magnetic track	Distance [nm]	Turn direction	Upper limit / Lower limit	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	APNUL	22°36'57.00"S / 017°10'31.00"E	-	-	-	-	-	-	-	-
2	RNP APCH	TF	WH08I	22°34'49.38"S / 017°15'10.13"E	N	063.8 / 076	4.8	-	-	-	-	-
3	RNP APCH	TF	WH08A	22°32'53.88"S / 017°19'20.88"E	N	063.6 / 075	4.3	-	- / 8200	-	-	-
4	RNP APCH	TF	WH08S	22°30'29.98"S / 017°24'33.34"E	N	063.6 / 075	5.4	-	-	-	-	-
5	RNP APCH	TF	RW08	22°29'23.07"S / 017°26'58.44"E	Y	063.6 / 075	2.5	-	-	-	3.00 / 50	-
6	RNP APCH	CF	WHM01	22°28'24.27"S / 017°29'06.09"E	Y	063.6 / 075	-	-	-	210	-	085° WHV / D0.8 WHV
7	RNP APCH	DF	IBSAD	22°32'39.16"S / 017°10'17.90"E	N	-	-	L	-	210	-	-

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track / Magnetic track	Distance [nm]	Turn direction	Upper limit / Lower limit	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	IBSAD	22°32'39.16"S / 017°10'17.90"E	-	-	-	-	-	185	-	-
2	RNP APCH	TF	WH08I	22°34'49.38"S / 017°15'10.13"E	N	115.6 / 127	5.0	-	-	185	-	-
3	RNP APCH	TF	WH08A	22°32'53.88"S / 017°19'20.88"E	N	063.6 / 075	4.3	L	- / 8200	-	-	-
4	RNP APCH	TF	WH08S	22°30'29.98"S / 017°24'33.34"E	N	063.6 / 075	5.4	-	-	-	-	-
5	RNP APCH	TF	RW08	22°29'23.07"S / 017°26'58.44"E	Y	063.6 / 075	2.5	-	-	-	3.00 / 50	-
6	RNP APCH	CF	WHM01	22°28'24.27"S / 017°29'06.09"E	Y	063.6 / 075	-	-	-	210	-	085° WHV / D0.8 WHV
7	RNP APCH	DF	IBSAD	22°32'39.16"S / 017°10'17.90"E	N	-	-	L	-	210	-	-

Hold Identification – AD 2.37

Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
IBSAD	22°32'39.16"S / 017°10'17.90"E	115.7	127	-	9500	-	1	L

INSTRUMENT	AERODROME ELEV - 5641 FT	ATIS 126.20	WINDHOEK - Hosea (FYWH)
APPROACH	HEIGHT RELATED TO	APP 120.50	Kutako/Intl. RNP RWY 26
CHART - ICAO	THR RWY - 26 ELEV - 5501 FT	TWR 118.10	MNM TEMP -15°C
		APN 125.90	MAX TEMP +51°C



CHANGES: IFR ELEV/MAG VAR

Aircraft CAT		A		B		C		D		NOTES: 1. Track shortening inside IAF not permitted. 2. If above 8000ft at IMPEP, descent in the hold. 3. Arrival outside of the STARs to expect radar vectoring from ATC. 4. In case of radar failure route via IMPEP not below 10000ft and then to descend in the hold to 8000ft. Bearings are magnetic. Altitudes, Elevation and Heights in feet. Distances in NM.
OCA (H)	LNAV	5950 (450)								
	LNAV/VNAV	5920 (420)	5940 (440)		5950 (450)		5990 (490)			
Circling (Heights AAL)		6300 (659)		6500 (859)		8100 (2459)		8100 (2459)		
Circling - N of RWY (AAL)		6150 (509)		6260 (619)		6570 (929)		6630 (989)		
Distance to MAPt	NM	2	3	4	5	6	7	7.5		
Altitude	FT	6190 (690)	6500 (1000)	6820 (1320)	7140 (1640)	7460 (1960)	7780 (2280)	7940 (2440)		
Ground Speed	KTS	80	100		120		140		160	
Descent Rate (3.0°)	FT/MIN	425	530		635		745		850	

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track / Magnetic track	Distance [nm]	Turn direction	Upper limit / Lower limit	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	IMPEP	22°23'25.18"S / 017°39'53.96"E	-	-	-	-	- / 8000	-	-	-
2	RNP APCH	TF	WH26F	22°24'51.14"S / 017°36'48.04"E	N	243.6 / 255	3.2	-	- / 8000	-	-	-
3	RNP APCH	CF	RW26	22°28'17.12"S / 017°29'21.61"E	Y	243.6 / 255	-	-	-	-	3.00 / 50	083° WHV / D1.1 WHV
4	RNP APCH	DF	IMPEP	22°23'25.18"S / 017°39'53.96"E	N	-	-	R	-	210	-	-

Hold Identification – AD 2.37

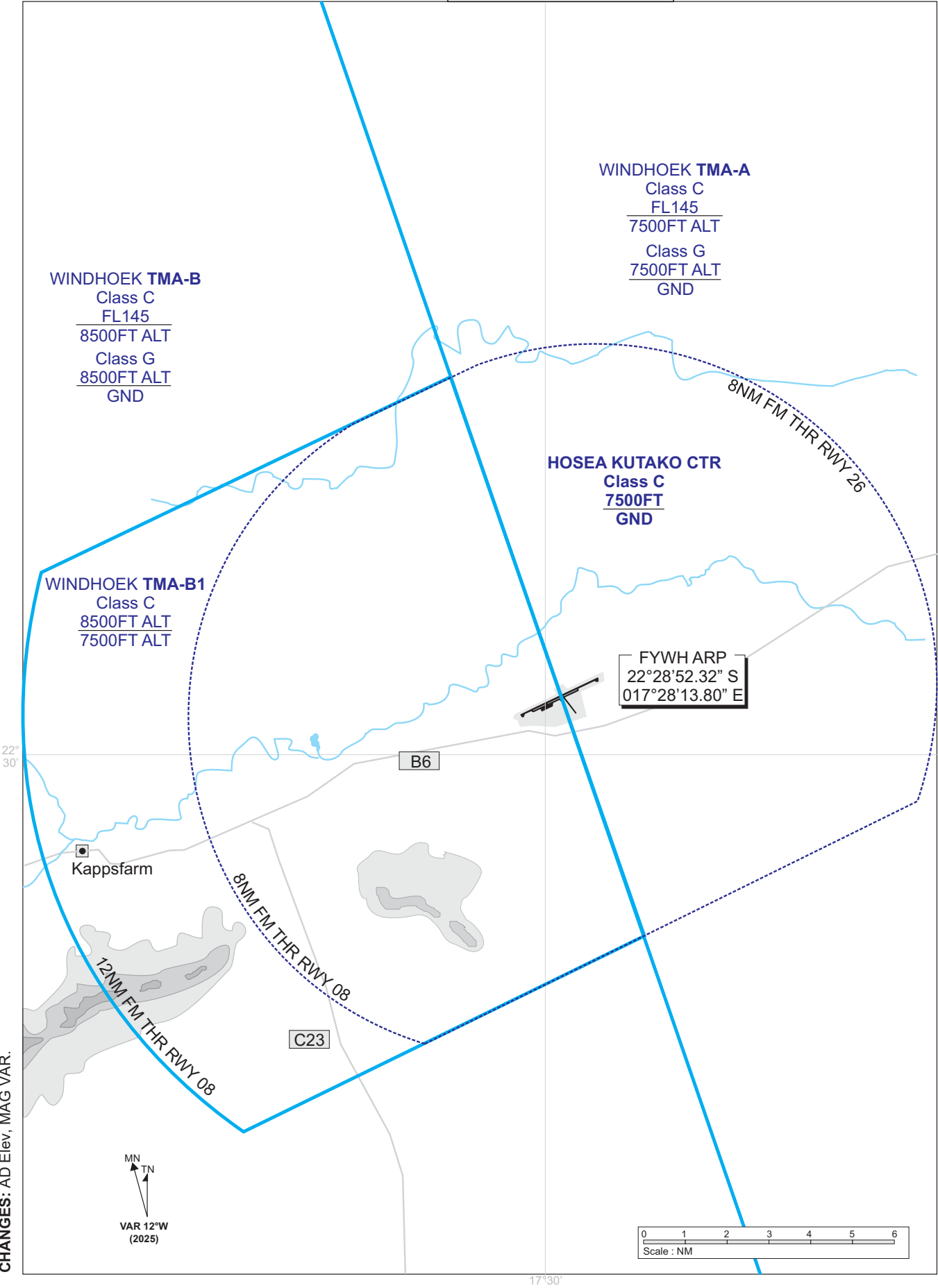
Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
IMPEP	22°23'25.18"S / 017°39'53.96"E	243.5	255	-	8000	-	1	L

VISUAL
APPROACH
CHART

AERODROME ELEV 5641FT

HOSEA KUTAKO:
TWR 118.1 Mhz
ATIS 126.2 Mhz

HOSEA KUTAKO CTR



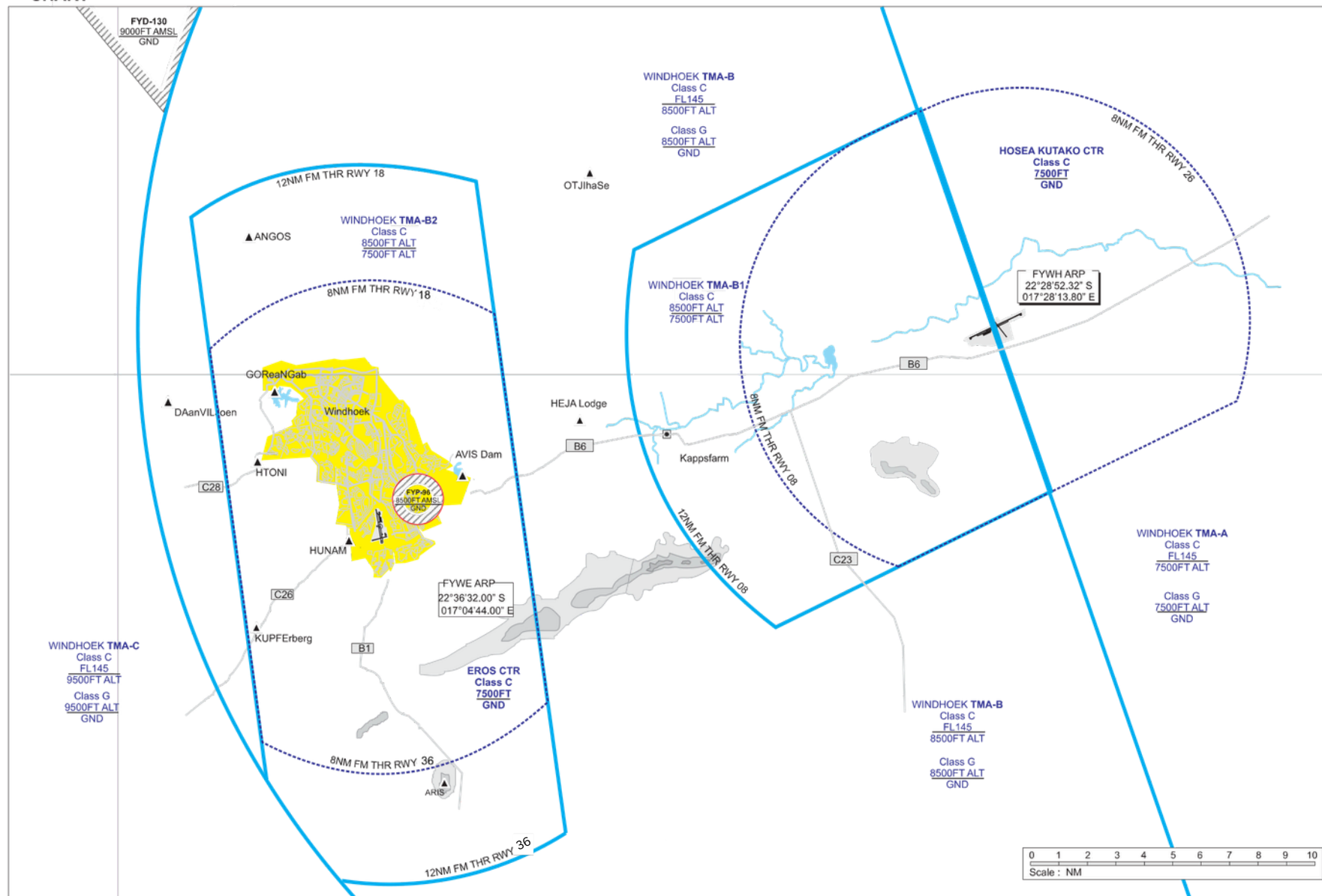
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CTR
NAMIBIA

VISUAL APPROACH
CHART

EROS & HOSEA KUTAKO CTR

CHANGES: Removal of MAG VAR, FYWE RWY Designators.



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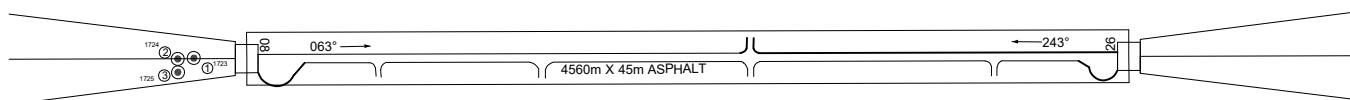
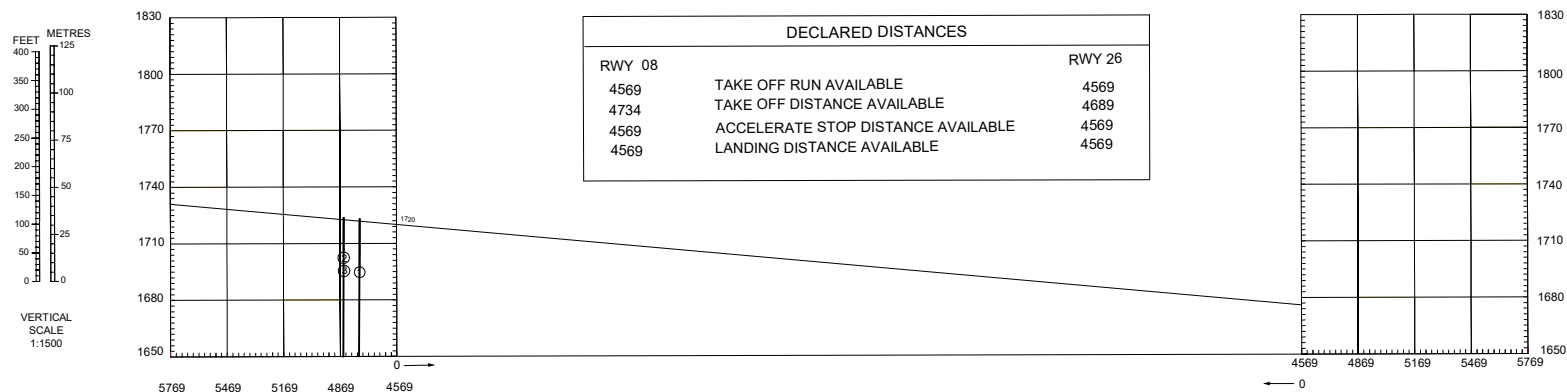
DIMENSIONS IN METER ELEVATION IN FEET

AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

WINDHOEK/Hosea Kutako International Airport
RWY 08/26

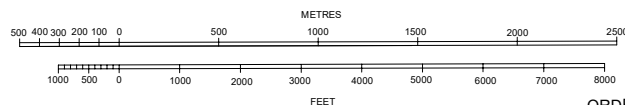
MAGNETIC VARIATION 12° W - 2025

RWY 08 / 26



HORIZONTAL SCALE 1: 15000

LEGEND	
IDENTIFICATION NUMBER	①
OBSTACLE	●



ORDER OF ACCURACY
HORIZONTAL 00 M
VERTICAL 00 M

AMENDMENT RECORD		
NO	DATE	ENTERED BY

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