

In Area 3					
OBST ID/ Designation	OBST Type	OBST position	ELEV/HGT	Markings / Type, Colour, Lighting (LGT)	Remarks
a	b	c	d	e	f
NIL					

FYWB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated Met office	Windhoek												
2.	Hours of service MET office outside hours	MON-FRI: 0330 – 1830 SAT-SUN: 0330 – 1230 SAT-SUN: 1730 – 1830 (one reading is taken between these times) 2 HR												
3.	Office responsible for TAF preparation Periods of validity	Windhoek 6 HR												
4.	Type of landing forecast Interval of issuance	NIL												
5.	Briefing/consultation provided	Personal Consultation												
6.	Flight documentation Language(s) used	Charts, abbreviated plain language text English												
7.	Charts and other information available for briefing or consultation	S3, U85, U7, U5, U2, P5												
8.	Supplementary equipment available for providing information	NIL supplementary equipment												
9.	ATS units provided with information	Windhoek FIC												
10.	Additional information (limitation of service, etc.)	1. Satellite Imagery 2. Windsock Geographical Location, Elevation, Marking and Lighting <table><tr><th>Windsock Designation</th><th>Latitude Longitude</th><th>Height (FT)</th><th>Marked/ LGT</th></tr><tr><td>Windsock E: Abeam ATC</td><td>225852.15S 0143850.76E</td><td>304</td><td>Marked/ LGT</td></tr><tr><td>Windsock 27: Abeam THR</td><td>225834.43S 0143945.01E</td><td>302</td><td>Marked</td></tr></table>	Windsock Designation	Latitude Longitude	Height (FT)	Marked/ LGT	Windsock E: Abeam ATC	225852.15S 0143850.76E	304	Marked/ LGT	Windsock 27: Abeam THR	225834.43S 0143945.01E	302	Marked
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FYWB AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

<i>Designations RWY NR</i>	<i>TRUE BRG</i>	<i>Dimensions of RWY (M)</i>	<i>Strength (PCN) and surface of RWY and SWY</i>	<i>THR coordinates RWY end coordinates THR geoid undulation</i>	<i>THR Elevation and highest elevation of TDZ of precision APPRWY</i>
1	2	3	4	5	6
09	071.58°	3 440 x 60	130/F/B/W/T Asphalt	225903.14S 0143752.23E GUND 96FT	THR 235FT TDZ 239FT
27	251.58°	3 440 x 60	130/F/B/W/T Asphalt	225828.55S 0143947.08E GUND 96FT	THR 316FT TDZ 313FT

<i>Designations RWY NR</i>	<i>Slope of RWY-SWY</i>	<i>SWY dimensions (M)</i>	<i>CWY dimensions (M)</i>	<i>Strip dimensions (M)</i>	<i>Dimensions of runway end safety areas</i>
1	7	8	9	10	11
09	RWY – 0.7% SWY - NIL	NIL	NIL	3 560 x 280	120 x 90
27	RWY – 0.7% SWY - NIL	NIL	NIL	3 560 x 280	120 x 90

<i>Designations RWY NR</i>	<i>Location and description of arresting system</i>	<i>OFZ</i>	<i>Remarks</i>
1	12	13	14
09	NIL	NIL	RESA Long Slope: 2.17% RESA Trans Slope: 0.2%
27	NIL	NIL	RESA Long Slope: 0.85% RESA Trans Slope: 1.3%

FYWB 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
09	3440	3440	3440	3440	NIL
27	3440	3440	3440	3440	NIL

FYWB 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
09	CAT I 900 M LIH	Green	PAPI, Both/3° (30FT)	TDZ: 749.1M	3390 M, 15 M, white middle and red end
27	CAT II 900 M LIH	Green	PAPI, Both/3° (69FT)	TDZ: 762M	3390 M, 15 M, white middle and red end

<i>RWY Designator</i>	<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>
1	7	8	9	10
09	3360 M, 60 M, white, LIH	Red	40 M Yellow and red	Non-precision APP
27	3360 M, 60 M, white, LIH	Red	40 M Yellow and red	Non-precision APP

FYWB AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	<i>ABN/IBN location, characteristics, and hours of operation</i>	ABN: Abeam Centre RWY, FLG W G EV 2 SEC/ IBN: NIL
2.	<i>LDI location and LGT</i> <i>Anemometer location and LGT</i>	LDI: NIL Anemometer: AMS E 320 M from THR 27, lighted AMS C 1000 M from THR 09, lighted AMS W 200 M from THR 09, lighted
3.	<i>TWY edge lights, centre line lights and stop bars (if any)</i>	TWY edge lights are only available at intersection "C"

4.	Secondary power supply/switch-over time	Secondary power supply to all lighting at AD Switch over time: 15 SEC
5.	Remarks	NIL Aerodrome identification beacon Signalling lamp is located in the ATC tower 2 x 380KVA Cummins generator sets, with a capacity of 5 000L diesel. The power is distributed to the Runway, taxiway, approach lighting, terminal building, hangars, PAPI lighting, ATC control tower, Meteorological equipment, fire station, VOR, Glideslope, Localizer and Receiver station.

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

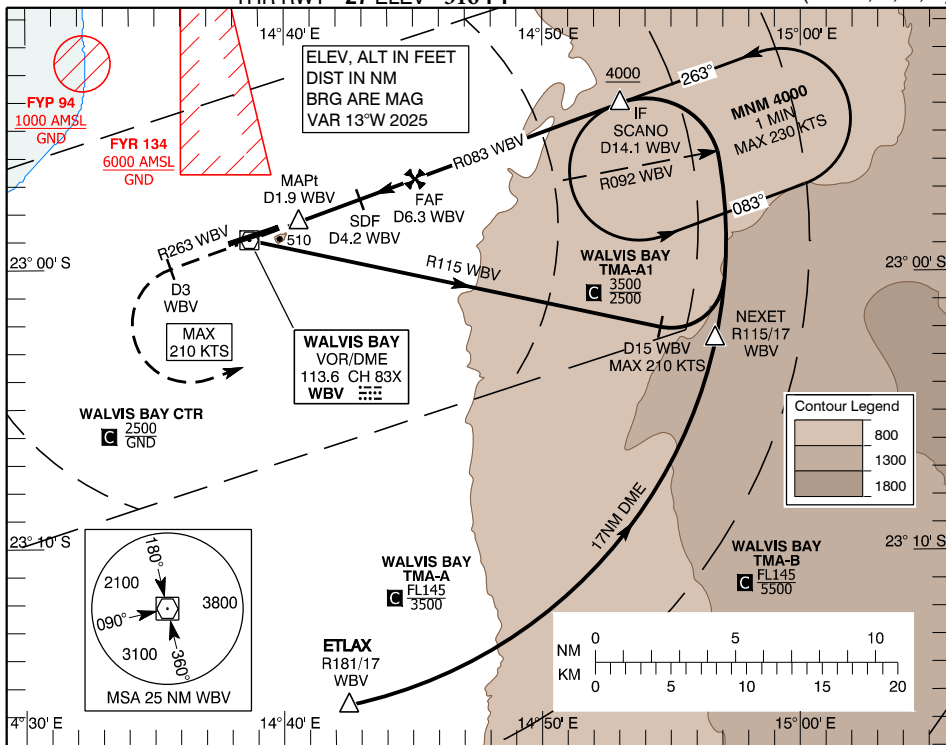
FYWB AD 2.17 ATS AIRSPACE

1.	Designation and lateral limits	Walvis Bay CTR Lateral limits 225100.61S 0144701.68E – Clockwise along the arc of a circle, radius 10NM centred at 225828.55S 0143947.08E – 230414.63S 0144839.60E – 230833.04S 0143421.75E – clockwise along the arc of a circle, radius 10NM centred at 225903.14S 0143752.23E – 225657.72S 0142716.09E to point of origin.
2.	Vertical limits	GND/2500FT AMSL
3.	Airspace classification	C
4.	ATS unit call sign Language(s)	Walvis Bay Tower English
5.	Transition altitude	10 000 FT MSL
6.	Remarks	1. Speed restrictions apply in FYWB TMA. Refer FYWB AD 2.22 Flight procedures. 2. Use FYWB QNH within the lateral confines of FYWB TMA at and below 10000FT AMSL. Refer ENR 2.1-6 Note 2. 3. All traffic operating in Class G airspace within the lateral confines of the FYWB TMA, must contact Walvis Bay Approach on 122.5MHz for Flight Information Service.

AERODROME ELEV - 316 FT
HEIGHT RELATED TO
THR RWY - 27 ELEV - 316 FT

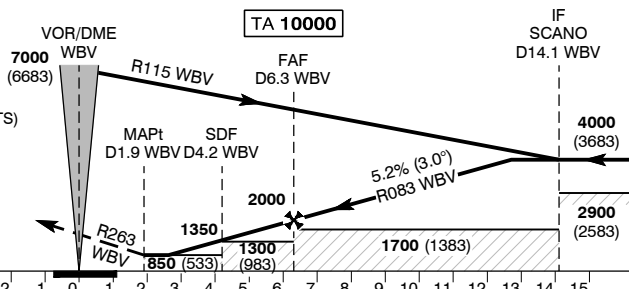
TWR	122.50
ATIS	127.00

WALVIS BAY (FYWB)
VOR RWY 27
(CAT A, B, C, D)



Climb straight ahead on R263.
At D3 WBV turn left (MAX IAS 210 KTS) and intercept R115 outbound.
At D15 WBV turn left (MAX IAS 210 KTS) to intercept D17 ARC WBV.
Passing R092 turn left, intercept R083 inbound and continue to SCANO to join the hold or as instructed by ATC. Climb to 4000ft.

NM VOR/DME WBV



Aircraft CAT		A	B	C	D	
MDA (OCH) VIS	Straight-in	850 (533) 2200m				
	Circling	870 (571) 2200m	940 (641) 2800m	1160 (861) 3700m	1240 (941) 4600m	
Dist fm WBV DME	NM	3	4	5	6	
Altitude	FT	965	1285	1605	1920	
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

1. WBV DME required.
2. GNSS permitted in lieu of DME.
Reference waypoint WBV VOR.



Circling to the NORTH
prohibited

RWY 27 VOR Approach

Descent Angle:	3 °							
Fix	IAF 1 ETLAX	IAF 2 NEXET	IF SCANO D14.1 WBV	FAF D6.3 WBV	SDF D4.2 WBV	MAPt D1.9 WBV	MATP D3.0 WBV	MATP D15.0 WBV
Fix Coordinates	231536.47S 0144230.16E	230227.80S 0145641.80E	225402.31S 0145300.9	225644.71S 0144505.08E	225728.37 0144256.90E	225816.77S 0144034.65E	225957.82S 0143537.27E	230202.55S 0145434.88E
Fix Formation Bearing °T	168.03 WBV	102.03 WBV	069.84 WBV	069.84 WBV	069.84 WBV	069.84 WBV	249.84 WBV	102.00 WBV
Fix Formation Distance	17.0 WBV	17.0 WBV	14.1 WBV	6.3 WBV	4.2 WBV	1.9 WBV	3.0 WBV	15.0 WBV

Holding Identification

Holding Fix	Latitude / Longitude	Inbound True Track (degrees)	Inbound Magnetic Track (degrees)	Maximum Indicated Airspeed (kts)	Maximum/ Minimum Holding Altitude (ft)	DME distance (NM)	Direction of Turn
IF / SCANO	225402.31S 0145300.97E	249.72	262.72	230	- / 4000	14.0	L