AIP

AERONAUTICAL INFORMATION PUBLICATION

Republic of Namibia

PART **3**

AERODROME (AD)

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PART 3 – AERODROMES (AD)

AD 0.

AD 0.1 PREFACE

1. Name of the Publishing Authority

The AIP is published by authority of the Namibia Civil Aviation Authority.

2. Applicable ICAO documents

The AIP is prepared in accordance with the Standards and Recommended Practices (SARPs) of Annex 15 to the Convention on International Civil Aviation and the Aeronautical Information Services Manual (ICAO Doc 8126) and the *Procedures for Air Navigation Services Aeronautical Information Management* (ICAO Doc 10066). Charts contained in the AIP are produced in accordance with Annex 4 to the Convention on International Civil Aviation and the Aeronautical Chart Manual (ICAO Doc 8697). Differences from ICAO Standards, Recommended Practices and Procedures are given in sub-section GEN 1.7.

3. The AIP structure and established regular amendment interval

3.1 The AIP Structure

3.1.1 The AIP forms part of the Aeronautical Information Product, details of which are given in sub-section GEN 3.1. The principal AIP structure is shown in graphic form on page GEN 0.1-3.

3.1.2 The AIP is made up of three Parts, General (GEN), En-route (ENR) and Aerodromes (AD), each divided into sections and sub-sections as applicable, containing various types of information subjects.

3.1.3 **Part 3 – Aerodromes (AD)**

Part 3 consists of four sections containing information as briefly described hereafter.

a) AD 0 - Preface; Record of AIP Amendments; Record of AIP Supplements; Checklist of AIP pages; List of hand amendments to the AIP; and the Table of Contents to Part 3.

b) AD 1. Aerodromes/Heliports - Introduction - Aerodrome/heliport availability; Rescue and firefighting services and Snow plan; Index to aerodromes and heliports; and Grouping of aerodromes/heliports.

c) AD 2. Aerodromes - Detailed information about aerodromes, including helicopter landing areas, if located at the aerodrome, listed under 24 sub-sections.

d) AD 3. Heliports - Detailed information about heliports (not located at aerodromes), listed under 23 sub-sections.

3.2 Regular amendment interval

3.2.1 Permanent changes to the AIP shall be published as AIP Amendment.

3.2.2 Amendments to AIP shall be issued every 4 months at the following pre-determined months:

a) March
b) July
c) November

3.2.3 When an AIP AMDT will not be published on the established publication date, a NIL notification shall be originated and distribution by means of the monthly printed Plain Language Summary of NOTAM in force (NIF).

4. Service to contact in case of detected AIP errors or omissions

In the compilation of the AIP, care has been taken to ensure that the information contained therein is accurate and complete. Any errors and omissions which may nevertheless be detected, as well as any correspondence concerning the Aeronautical Information Product, should be referred to:

Namibia Civil Aviation Authority
Aeronautical Information Service Centre
Private Bag 12003
Ausspannplatz
Windhoek
TEL: +264 61 702082/2203
Email: aip@ncaa.na

AD 0.2 RECORD OF AIP AMENDMENTS

AIP AMENDMENT			
NR/Year	Publication date	Date inserted	Inserted by

AIRAC AIP AMENDMENT			
NR/Year	Publication date	Effective date	Inserted by
A01/2019	31-01-2019	28-03-2019	NCAA
A02/2019	23-05-2019	18-07-2019	NCAA
A03/2019	24-10-2019	05-12-2019	NCAA
A01/2020	19-12-2019	30-01-2020	NCAA
A02/2020	12-03-2020	23-04-2020	NCAA
A03/2020	27-08-2020	08-10-2020	NCAA
A01/2021	25-03-2021	20-05-2021	NCAA
A02/2021	15-07-2021	09-09-2021	NCAA
A03/2021	07-10-2021	02-12-2021	NCAA
A01/2022	24-03-2022	19-05-2022	NCAA
A02/2022	14-07-2022	08-09-2022	NCAA
A03/2022	08-09-2022	03-11-2022	NCAA
A01/2023	23-03-2023	18-05-2023	NCAA
A02/2023	15-06-2023	10-08-2023	NCAA
A03/2023	05-10-2023	30-11-2023	NCAA
A01/2024	25-01-2024	21-03-2024	NCAA
A02/2024	16-05-2024	11-07-2024	NCAA
A03/2024	03-10-2024	28-11-2024	NCAA
A01/2025	20-03-2025	15-05-2025	NCAA
A02/2025	12-06-2025	07-08-2025	NCAA
A03/2025	02-10-2025	27-11-2025	NCAA

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AD 0.3 RECORD OF AIP SUPPLEMENTS

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record

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AD 0.4 CHECKLIST OF AIP PAGES

Page	Date	Page	Date	Page	Date
PART 3 - AERODROMES		0.6-9	08 OCT 2020	FYAR AD 2-3	12 NOV 2015
AD 0		0.6-10	08 OCT 2020	FYAR AD 2-4	12 NOV 2015
0.1-1	28 NOV 2024	0.6-11	27 NOV 2025	FYAR AD 2-5	12 NOV 2015
0.1-2	28 NOV 2024	0.6-12	27 NOV 2025	FYAR AD 2-6	12 NOV 2015
0.2-1	27 NOV 2025	0.6-13	28 NOV 2024	FYGB AD 2-1	26 MAY 2016
0.2-2	27 NOV 2025	0.6-14	28 NOV 2024	FYGB AD 2-2	26 MAY 2016
0.3-1	30 JAN 2020	0.6-15	28 NOV 2024	FYGB AD 2-3	15 OCT 1997
0.3-2	30 JAN 2020	0.6-16	28 NOV 2024	FYGB AD 2-4	15 OCT 1997
0.4-1	27 NOV 2025	0.6-17	28 NOV 2024	FYGB AD 2-5	05 DEC 2019
0.4-2	27 NOV 2025	0.6-18	28 NOV 2024	FYGB AD 2-6	05 DEC 2019
0.4-3	27 NOV 2025	**AD 1**		FYGB AD 2-7	30 JAN 2020
0.4-4	27 NOV 2025	1.1-1	10 NOV 2016	FYGB AD 2-8	30 JAN 2020
0.4-5	27 NOV 2025	1.1-2	10 NOV 2016	FYGF AD 2-1	29 MAR 2018
0.4-6	27 NOV 2025	1.2-1	15 DEC 2011	FYGF AD 2-2	29 MAR 2018
0.5-1	30 JAN 2020	1.2-2	15 DEC 2011	FYGF AD 2-3	15 MAY 2007
0.5-2	30 JAN 2020	1.3-1	19 JUL 2018	FYGF AD 2-4	15 MAY 2007
0.6-1	28 NOV 2024	1.3-2	19 JUL 2018	FYGF AD 2-5	15 NOV 2002
0.6-2	28 NOV 2024	1.4-1	05 DEC 2019	FYGF AD 2-6	15 NOV 2002
0.6-3	18 JUL 2019	1.4-2	05 DEC 2019	FYGF AD 2-7	08 OCT 2020
0.6-4	18 JUL 2019	1.5-1	07 AUG 2025	FYGF AD 2-8	08 OCT 2020
0.6-5	08 OCT 2020	1.5-2	07 AUG 2025	FYGF AD 2-9	05 DEC 2019
0.6-6	08 OCT 2020	**AD 2**		FYGF AD 2-10	05 DEC 2019
0.6-7	08 OCT 2020	FYAR AD 2-1	21 MAR 2024	FYKM AD 2-1	21 MAR 2024
0.6-8	08 OCT 2020	FYAR AD 2-2	21 MAR 2024	FYKM AD 2-2	21 MAR 2024

Page	Date	Page	Date	Page	Date
FYKM AD 2-3	28 JUN 2012	FYKT AD 2-14	08 OCT 2020	FYMO AD 2-1	26 MAY 2016
FYKM AD 2-4	28 JUN 2012	FYKT AD 2-15	08 OCT 2020	FYMO AD 2-2	26 MAY 2016
FYKM AD 2-5	09 SEP 2021	FYKT AD 2-16	08 OCT 2020	FYMO AD 2-3	15 APR 1996
FYKM AD 2-6	09 SEP 2021	FYKT AD 2-17	08 OCT 2020	FYMO AD 2-4	15 APR 1996
FYKM AD 2-7	09 SEP 2021	FYKT AD 2-18	08 OCT 2020	FYMO AD 2-5	15 APR 1998
FYKM AD 2-8	09 SEP 2021	FYLZ AD 2-1	21 MAR 2024	FYMO AD 2-6	15 APR 1998
FYKM AD 2-9	23 APR 2020	FYLZ AD 2-2	21 MAR 2024	FYMO AD 2-7	15 APR 1996
FYKM AD 2-10	23 APR 2020	FYLZ AD 2-3	30 NOV 2023	FYMO AD 2-8	15 APR 1996
FYKM AD 2-11	23 APR 2020	FYLZ AD 2-4	30 NOV 2023	FYOA AD 2-1	21 MAR 2024
FYKM AD 2-12	23 APR 2020	FYLZ AD 2-5	23 APR 2020	FYOA AD 2-2	21 MAR 2024
FYKM AD 2-13	23 APR 2020	FYLZ AD 2-6	23 APR 2020	FYOA AD 2-3	03 NOV 2022
FYKM AD 2-14	23 APR 2020	FYLZ AD 2-7	21 MAR 2024	FYOA AD 2-4	03 NOV 2022
FYKT AD 2-1	21 MAR 2024	FYLZ AD 2-8	21 MAR 2024	FYOA AD 2-5	03 NOV 2022
FYKT AD 2-2	21 MAR 2024	FYLZ AD 2-9	23 APR 2020	FYOA AD 2-6	03 NOV 2022
FYKT AD 2-3	11 JUL 2024	FYLZ AD 2-10	23 APR 2020	FYOA AD 2-7	18 MAY 2023
FYKT AD 2-4	11 JUL 2024	FYLZ AD 2-11	23 APR 2020	FYOA AD 2-8	18 MAY 2023
FYKT AD 2-5	23 APR 2020	FYLZ AD 2-12	23 APR 2020	FYOA AD 2-9	11 JUL 2024
FYKT AD 2-6	23 APR 2020	FYLZ AD 2-13	23 APR 2020	FYOA AD 2-10	11 JUL 2024
FYKT AD 2-7	10 NOV 2016	FYLZ AD 2-14	23 APR 2020	FYOA AD 2-11	21 MAR 2024
FYKT AD 2-8	10 NOV 2016	FYML AD 2-1	26 MAY 2016	FYOA AD 2-12	21 MAR 2024
FYKT AD 2-9	08 OCT 2020	FYML AD 2-2	26 MAY 2016	FYOA AD 2-13	08 OCT 2020
FYKT AD 2-10	08 OCT 2020	FYML AD 2-3	10 NOV 2016	FYOA AD 2-14	08 OCT 2020
FYKT AD 2-11	08 OCT 2020	FYML AD 2-4	10 NOV 2016	FYOA AD 2-15	08 OCT 2020
FYKT AD 2-12	08 OCT 2020	FYML AD 2-5	15 APR 1996	FYOA AD 2-16	08 OCT 2020
FYKT AD 2-13	08 OCT 2020	FYML AD 2-6	15 APR 1996	FYOA AD 2-17	08 OCT 2020

Page	Date	Page	Date	Page	Date
FYOA AD 2-18	08 OCT 2020	FYRU AD 2-5	23 APR 2020	FYWB AD 2-8	28 NOV 2024
FYOA AD 2-19	21 MAR 2024	FYRU AD 2-6	23 APR 2020	FYWB AD 2-9	28 NOV 2024
FYOA AD 2-20	21 MAR 2024	FYRU AD 2-7	28 NOV 2024	FYWB AD 2-10	28 NOV 2024
FYOA AD 2-21	21 MAR 2024	FYRU AD 2-8	28 NOV 2024	FYWB AD 2-11	28 NOV 2024
FYOA AD 2-22	21 MAR 2024	FYSA AD 2-1	26 MAY 2016	FYWB AD 2-12	28 NOV 2024
FYOG AD 2-1	27 NOV 2025	FYSA AD 2-2	26 MAY 2016	FYWB AD 2-13	28 NOV 2024
FYOG AD 2-2	27 NOV 2025	FYSA AD 2-3	23 APR 2020	FYWB AD 2-14	28 NOV 2024
FYOG AD 2-3	27 NOV 2025	FYSA AD 2-4	23 APR 2020	FYWB AD 2-15	15 MAY 2025
FYOG AD 2-4	27 NOV 2025	FYSA AD 2-5	15 MAY 2003	FYWB AD 2-16	15 MAY 2025
FYOG AD 2-5	27 NOV 2025	FYSA AD 2-6	15 MAY 2003	FYWB AD 2-17	15 MAY 2025
FYOG AD 2-6	27 NOV 2025	FYSM AD 2-1	28 NOV 2024	FYWB AD 2-18	15 MAY 2025
FYOG AD 2-7	27 NOV 2025	FYSM AD 2-2	28 NOV 2024	FYWB AD 2-19	28 NOV 2024
FYOG AD 2-8	27 NOV 2025	FYSM AD 2-3	28 NOV 2024	FYWB AD 2-20	28 NOV 2024
FYOG AD 2-9	27 NOV 2025	FYSM AD 2-4	28 NOV 2024	FYWB AD 2-21	28 NOV 2024
FYOG AD 2-10	27 NOV 2025	FYSM AD 2-5	28 NOV 2024	FYWB AD 2-22	28 NOV 2024
FYOG AD 2-11	27 NOV 2025	FYSM AD 2-6	28 NOV 2024	FYWB AD 2-23	28 NOV 2024
FYOG AD 2-12	27 NOV 2025	FYSM AD 2-7	28 NOV 2024	FYWB AD 2-24	28 NOV 2024
FYOG AD 2-13	27 NOV 2025	FYSM AD 2-8	28 NOV 2024	FYWB AD 2-25	28 NOV 2024
FYOG AD 2-14	27 NOV 2025	FYWB AD 2-1	15 MAY 2025	FYWB AD 2-26	28 NOV 2024
FYOG AD 2-15	27 NOV 2025	FYWB AD 2-2	15 MAY 2025	FYWB AD 2-27	15 MAY 2025
FYOG AD 2-16	27 NOV 2025	FYWB AD 2-3	28 NOV 2024	FYWB AD 2-28	15 MAY 2025
FYRU AD 2-1	21 MAR 2024	FYWB AD 2-4	28 NOV 2024	FYWB AD 2-29	28 NOV 2024
FYRU AD 2-2	21 MAR 2024	FYWB AD 2-5	28 NOV 2024	FYWB AD 2-30	28 NOV 2024
FYRU AD 2-3	28 JUN 2012	FYWB AD 2-6	28 NOV 2024	FYWB AD 2-31	28 NOV 2024
FYRU AD 2-4	28 JUN 2012	FYWB AD 2-7	28 NOV 2024	FYWB AD 2-32	28 NOV 2024

Page	Date
FYWB AD 2-33	28 NOV 2024
FYWB AD 2-34	28 NOV 2024
FYWB AD 2-35	28 NOV 2024
FYWB AD 2-36	28 NOV 2024
FYWB AD 2-37	15 MAY 2025
FYWB AD 2-38	15 MAY 2025
FYWE AD 2-1	11 JUL 2024
FYWE AD 2-2	11 JUL 2024
FYWE AD 2-3	28 NOV 2024
FYWE AD 2-4	28 NOV 2024
FYWE AD 2-5	28 NOV 2024
FYWE AD 2-6	28 NOV 2024
FYWE AD 2-7	28 NOV 2024
FYWE AD 2-8	28 NOV 2024
FYWE AD 2-9	28 NOV 2024
FYWE AD 2-10	28 NOV 2024
FYWE AD 2-11	28 NOV 2024
FYWE AD 2-12	28 NOV 2024
FYWE AD 2-13	28 NOV 2024
FYWE AD 2-14	28 NOV 2024
FYWE AD 2-15	27 NOV 2025
FYWE AD 2-16	27 NOV 2025
FYWE AD 2-17	27 NOV 2025
FYWE AD 2-18	27 NOV 2025
FYWE AD 2-19	28 NOV 2024
FYWE AD 2-20	28 NOV 2024
FYWE AD 2-21	28 NOV 2024
FYWE AD 2-22	28 NOV 2024
FYWE AD 2-23	28 NOV 2024
FYWE AD 2-24	28 NOV 2024
FYWE AD 2-25	28 NOV 2024
FYWE AD 2-26	28 NOV 2024
FYWE AD 2-27	28 NOV 2024
FYWE AD 2-28	28 NOV 2024
FYWE AD 2-29	28 NOV 2024
FYWE AD 2-30	28 NOV 2024
FYWH AD 2-1	27 NOV 2025
FYWH AD 2-2	27 NOV 2025
FYWH AD 2-3	27 NOV 2025
FYWH AD 2-4	27 NOV 2025
FYWH AD 2-5	27 NOV 2025
FYWH AD 2-6	27 NOV 2025
FYWH AD 2-7	27 NOV 2025
FYWH AD 2-8	27 NOV 2025
FYWH AD 2-9	27 NOV 2025
FYWH AD 2-10	27 NOV 2025
FYWH AD 2-11	27 NOV 2025
FYWH AD 2-12	27 NOV 2025
FYWH AD 2-13	27 NOV 2025
FYWH AD 2-14	27 NOV 2025
FYWH AD 2-15	27 NOV 2025
FYWH AD 2-16	27 NOV 2025
FYWH AD 2-17	27 NOV 2025
FYWH AD 2-18	27 NOV 2025
FYWH AD 2-19	28 NOV 2024
FYWH AD 2-20	28 NOV 2024
FYWH AD 2-21	08 OCT 2020
FYWH AD 2-22	08 OCT 2020
FYWH AD 2-23	15 MAY 2025
FYWH AD 2-24	15 MAY 2025
FYWH AD 2-25	15 MAY 2025
FYWH AD 2-26	15 MAY 2025
FYWH AD 2-27	21 MAR 2024
FYWH AD 2-28	21 MAR 2024
FYWH AD 2-29	21 MAR 2024
FYWH AD 2-30	21 MAR 2024
FYWH AD 2-31	15 MAY 2025
FYWH AD 2-32	15 MAY 2025
FYWH AD 2-33	15 MAY 2025
FYWH AD 2-34	15 MAY 2025
FYWH AD 2-35	15 MAY 2025
FYWH AD 2-36	15 MAY 2025
FYWH AD 2-37	07 AUG 2025
FYWH AD 2-38	07 AUG 2025
FYWH AD 2-39	07 AUG 2025
FYWH AD 2-40	07 AUG 2025
FYWH AD 2-41	15 MAY 2025

Page	Date	Page	Date	Page	Date
FYWH AD 2-42	15 MAY 2025				
FYWH AD 2-43	21 MAR 2024				
FYWH AD 2-44	21 MAR 2024				
FYWH AD 2-25	28 NOV 2024				
FYWH AD 2-46	28 NOV 2024				

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PART 3 - AERODROMES (AD)

AD 0.

AD 0.6 TABLE OF CONTENTS TO PART 3

Page

AD 2. AERODROMES

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AD 1. AERODROMES/HELIPORTS - INTRODUCTION

AD 1.1 AERODROME/HELIPORT AVAILABILITY

1. General conditions under which aerodromes/heliports and associated facilities are available for use

i) General conditions

This section contains information on aerodromes situated within the Republic of Namibia are:

a) Available for use in international aircraft operations.

b) Ports of entry.

c) Aerodromes for domestic use.

d) Private aerodromes

These aerodromes are tabulated in AD 1.3 and classified in AD 1.4.

Aerodromes that have been certified (Licensed) are listed in AD 1.5

The administration of an aerodrome is the responsibility of the license holder or administrator. The names, postal and telegraphic addresses of the license holders or administrators are listed in AD 2.

Operators should ensure that an aerodrome is suitable and available for the intended use before planning on using such aerodrome.

ii) Responsibilities of operators/pilots when selecting an aerodrome/heliport for intended use

1) Operators should obtain the relevant permissions required, where applicable, before operating into an aerodrome

2) Except in a case of emergency, a pilot-in-command shall ensure that where an aerodrome is

i) licensed for private use, prior permission from the owner/operator of the aerodrome has been obtained before planning to use such an aerodrome, or

ii) operated as an unlicensed aerodrome, that the aerodrome meets the requirements for the type of operation being flown in accordance with applicable regulations and, where required, has obtained prior permission from the owner/operator of the aerodrome to make use of such aerodrome. It should be noted that unlicensed aerodromes may not meet the safety standards stipulated in NAMCAR Part 139 and operators should take due consideration of such when planning to use such an aerodrome.

3) The Pilot-in-command is expected to obtain information on the condition and serviceability of the aerodrome, landing area, approach aids and applicable ground lighting as required prior to planning to make use of such an aerodrome.

4) The pilot-in-command of a particular aircraft may only make use of an aerodrome provided due account has been taken of

a) the meteorological conditions pertaining at the time or expected to occur at the time of use, and

b) the aircraft's performance, design, PCN and other such aspects are consistent with the physical characteristics of the aerodrome and its facilities, and

c) the condition of the aerodrome's manoeuvring area and facilities, and that operations on such will not endanger safety of the aircraft or its crew and passengers.

2. Applicable ICAO documents

The standards and recommended practices of ICAO, Annexes 9, 14 and 17 are applied without differences.

3. Civil use of military air bases

Prior permission for the use of military aerodromes must be obtained from:

Chief of the Defence Force
Private Bag 13307
Windhoek

4. CAT II/III operations at aerodromes

Only CAT I available at Hosea Kutako INTL Airport.

5. Friction measuring device used and friction level below which the runway is declared slippery when it is wet

Not used at this stage.

6. Other information

Pilots and operators should note that Kunene River Mouth airstrip is strictly reserved for Northern Namibia Development Company PTY Ltd aircrafts only or if prior written clearance has been provided by Northern Namibia Development Company PTY Ltd. Note that the RWY will be closed with barricade for security purposes.
Aircraft overflying the airstrip should consider the height restriction of 1000M AGL.

AD 1.2 RESCUE AND FIRE FIGHTING SERVICES AND SNOW PLAN

1. Rescue and fire fighting services

1.1 Adequate rescue and fire fighting vehicles, equipment and personnel have been provided at most of the aerodromes available for use by international commercial air transport. At the other major aerodromes the rescue and fire fighting equipment provided is usually suitable for the operating requirements.

1.2 The scale of protection has been determined in accordance with the guidance given in Attachment C to Annex 14. Details concerning the equipment available at the aerodromes is given on the relevant page for each aerodrome.

1.3 Each individual service is categorized according to the table shown below. Temporary changes will be published by NOTAM.

Rescue and fire fighting services	
Aerodrome category	Amount of water in litres for production of performance level A foam
1	350
-	-
3	1 800
4	3 600
5	8 100
6	11 800
7	18 200
8	27 300
9	36 400
10	48 200

2. Snow plan

Nil.

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AD 1.3 INDEX TO AERODROMES AND HELIPORTS

Notes:
(1) The location indicators marked with an asterisk (*) cannot be used in the address component of the messages.
(2) The aerodromes marked with# are not equipped for IFR traffic but said traffic can execute a VMC descent or cancel IFR.

Aerodrome/heliport name Location indicator		Type of traffic permitted to use the aerodrome/heliport			Reference to AP Section and Remarks
		International - National (INTL-NTL)	IFR-VFR	S=Scheduled NS=Non-scheduled P=Private	
1		2	3	4	5
ARANDIS/Arandis	FYAR*	NTL	IFR - VFR#	NS - P	AD 2 - FYAR
GOBABIS /Gobabis	FYGB*	INTL-NTL	VFR	NS - P	AD 2 - FYGB
GROOTFONTEIN/ Grootfontein	FYGF	INTL-NTL	IFR-VFR	S - NS – P	AD 2 – FYGF
KATIMA MULILO/Mpacha	FYKM	INTL-NTL	IFR-VFR	S - NS - P	AD 2 - FYKM
KEETMANSHOOP/ Keetmanshoop	FYKT*	INTL-NTL	IFR-VFR	S - NS - P	AD 2 - FYKT
LUDERITZ/Luderitz	FYLZ	INTL-NTL	IFR - VFR #	S - NS - P	AD 2 - FYLZ
MARIENTAL/Mariental	FYML*	NTL	VFR	NS - P	AD 2 - FYML
MOKUTI LODGE/Mokuti Lodge	FYMO*	NTL	IFR - VFR #	NS - P	AD 2 - FYMO
ONDANGWA/Ondangwa	FYOA	INTL-NTL	IFR-VFR	S - NS - P	AD 2 - FYOA
ORANJEMUND/Oranjemund	FYOG*	INTL-NTL	IFR - VFR #	NS - P	AD 2 - FYOG
RUNDU/Rundu	FYRU*	INTL-NTL	IFR - VFR #	NS - P	AD 2 - FYRU
SWAKOPMUND/ Swakopmund	FYSM*	NTL	IFR - VFR #	S - NS - P	AD 2 - FYSM
WALVIS BAY/Walvis Bay	FYWB	INTL-NTL	IFR-VFR	S - NS - P	AD 2 - FYWB

Aerodrome/heliport name Location indicator		Type of traffic permitted to use the aerodrome/heliport			Reference to AP Section and Remarks
		International - National (INTL-NTL)	IFR-VFR	S=Scheduled NS=Non-scheduled P=Private	
1		2	3	4	5
WINDHOEK/Eros	FYWE	INTL-NTL	IFR - VFR	NS - P	AD 2 - FYWE
Hosea Kutako International Airport, Windhoek	FYWH	INTL-NTL	IFR-VFR	S - NS - P	AD 2 - FYWH

AERODROMES AND HELIPORTS INDEX - CHART

To be developed.

AD 1.4 GROUPING OF AERODROMES/HELIPORTS

The criteria applied by Namibia in grouping aerodromes/heliports for the provision of information in this AIP are as follows:

1. Primary/major international aerodrome/heliport

The aerodrome/heliport of entry and departure for international air traffic, where all formalities concerning customs, immigration, health, animal and plant quarantine and similar procedures are carried out and where air traffic services are available on a regular basis.

Walvis Bay

Hosea Kutako International Airport

2. Secondary/other international aerodrome/heliport

Another aerodrome/heliport available for the entry or departure of international air traffic, where all formalities concerning customs, immigration, health and similar and air traffic services are made available, on a restricted basis, to flights with prior approval only.

Eros

Gobabis

Grootfontein (Military)

Katima Mulilo

Keetmanshoop

Luderitz

Ondangwa

Oranjemund

Rundu

3. National aerodrome/heliport

An aerodrome/heliport available only for domestic air traffic, including those military aerodromes/heliports where civil air traffic is allowed under certain conditions.

Arandis

Mariental

Mokuti Lodge

Scorpion Mine

Swakopmund

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AD 1.5 STATUS OF CERTIFICATION OF AERODROMES

Aerodrome name *Location indicator*	*Date of certification*	*Validity of certification*	*Remark*
1	2	3[1]	4
ARANDIS *FYAR	Not certified		
GOBABIS *FYGB	Not certified		
GROOTFONTEIN FYGF	Not certified		
KATIMA MULILO FYKM	Not certified		
KEETMANSHOP *FYKT	Not certified		
LUDERITZ FYLZ	Not certified		
MARIENTAL *FYML	Not certified		
MOKUTI *FYMO	Not certified		
ONDANGWA FYOA	Not certified		
ORANJEMUND *FYOG	Not certified		
RUNDU *FYRU	Not certified		
SCORPION MINE *FYSA	Not certified		
SWAKOPMUND *FYSM	Not certified		
WALVIS BAY FYWB	06 Dec 2023	2 Years	Certified by NCAA No simultaneous movement of aircraft landing and taxiing on the runway and parallel taxiway respectively.
WINDHOEK EROS FYWE	07 February 2025	07 February 2028	Certified by NCAA
HOSEA KUTAKO/Intl. FYWH	06 Dec 2023	2 Years	Certified by NCAA No simultaneous use of RWY 08/26 and the main taxiway parallel to RWY 08/26.

1. In column 3, a dash (-) indicates that a certificate does not have an expiry date and has been issued as perpetual.
2. An asterisk (*) alongside a location indicator indicates that the aerodrome is not connected to the AFS messaging services and the location indicator cannot be used as an address component for messaging.

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AD 2. AERODROMES

FYAR AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYAR - Arandis Aerodrome

FYAR AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AP*	222800S 0145900E
2.	*Direction and distance from (city)*	E 55 KM from Swakopmund
3.	*Elevation/reference temperature*	1 905 FT
4.	*MAG VAR/annual change*	13° W (2016)/ 0.10° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	Arandis Airport (Pty)Ltd PO Box 1228 Walvis Bay Tel: (064) 203 951 Fax: (064) 203 984 Cell: +264811502454 E-mail: walvisbay@sec.com.na Telex: No facility AFS: No facility
6.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7.	*Remarks*	Private aerodrome. Prior permission required from the owner Arandis Aerodrome is not a state/parastatal-owned or operated aerodrome but is owned and operated by Arandis Airport (Pty) Ltd, which is a private entity.

FYAR AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	MON-FRI: 0600 – 1500 SAT, SUN and Public Holidays: Closed
2.	*Customs and immigration*	Nil facilities
3.	*Health and sanitation*	Nil facilities
4.	*AIS briefing office*	Nil facilities
5.	*ATS reporting office (ARO)*	Nil facilities
6.	*MET briefing office*	Nil facilities
7.	*ATS*	Nil facilities
8.	*Fuelling*	Nil facilities
9.	*Handling*	Nil facilities
10.	*Security*	Nil facilities
11.	*De-icing*	Nil facilities

12.	*Remarks*	Nil

FYAR AD 2.4 HANDLING SERVICES AND FACILITIES

Nil facilities.

FYAR AD 2.5 PASSENGER FACILITIES

Nil facilities.

FYAR AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	Not determined
2.	*Rescue equipment*	Nil facilities
3.	*Capability for removal of disabled aircraft*	Nil facilities
4.	*Remarks*	Nil

FYAR AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities.

FYAR AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Asphalt Strength: LCN 25
2.	*Taxiway width, surface and strength*	Width: 20 Surface: Asphalt Strength: LCN 25
3.	*ACL location and elevation*	Location: Nil info Elevation: 1905’
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Nil

FYAR AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY designators, THR, centre line
3.	*Stop bars*	Nil facilities
4.	*Remarks*	Nil

FYAR AD 2.10 AERODROME OBSTACLES

Area 2					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT FT*	*Markings / Type, Colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
Wireless high Mast 1	Wireless high Mast	222619.43S 0150050.22E	634M	Nil info	Distance and bearing: 3.53 km & 48.01° Aircaraft must remain well clear of mining area
Wireless high Mast 2	Wireless high Mast	222524.42S 0150318.55E	652M	Nil info	Distance and Bearing:7.97 km & 59.31° Aircraft must remain well clear of mining area
Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT FT*	*Markings / Type, Colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

FYAR AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Nil facilities.

FYAR AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (M)	Strength (LCN) and surface of RWY and SWY	THR Co-ordinates	THR Elevation and Highest Elevation of TDZ of Precision APP RWY
1	2	3	4	5	6
10	100° MAG	1920 x 20	LCN 25 Asphalt	Nil info	THR 1827 FT
28	280° MAG	1920 x 20	LCN 25 Asphalt	Nil info	THR 1905 FT

Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+1,2%	62 M	Nil info	Nil info	Nil info	Nil
-1,2%	62 M	Nil info	Nil info	Nil info	Nil

FYAR AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
10	Nil info	1920	Nil info	Nil info	Nil
28	Nil info	1920	Nil info	Nil info	Nil

FYAR AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil information available.

FYAR AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	*ABN/IBN location, characteristics and hours of operation*	Nil facilities
2.	*LDI location and LGT* *Anemometer location and LGT*	Nil facilities
3.	*TWY edge and centre line lighting*	Nil facilities
4.	*Secondary power supply/switch-over time*	Nil facilities
5.	*Remarks*	Other than lighting on apron, RWY lights are available by prior arrangement. TEL NR 085 544 2004. Permanent parachute drop zone established, occasional skydiving activity takes place. Pilots involved in parachuting activities will broadcast intentions on 123 MHz. Occasional radio controlled aircraft takes place, operators obliged to broadcast their activity on 123.5 MHz.

FYAR AD 2.16 HELICOPTER LANDING AREA

Nil facilities.

FYAR AD 2.17 ATS AIRSPACE

Nil ATS airspace

FYAR AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
Unmanned	Arandis TFC	123.5 MHZ	Unmanned	Nil

FYAR AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Nil facilities

FYAR AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

TPI. RWY 10 - left, RWY 28 right.

2. Taxiing to and from stands

Nil INFO

3. Parking area for small aircraft (general aviation)

Limited parking available – by prior arrangement

4. Parking area for helicopters

Nil INFO

5. Apron - Taxiing during winter conditions

Nil INFO

6. Taxiing - Limitations

Nil INFO

7. School and training flights - Technical test flights - Use of runways

By prior arrangement with prior approval.

8. Helicopter traffic - Limitation

Nil INFO

9. Removal of disabled aircraft from runways

Nil INFO

FYAR AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures.

FYAR AD 2.22 FLIGHT PROCEDURES

Nil procedures.

FYAR AD 2.23 ADDITIONAL INFORMATION

Permanent parachute drop zone established, occasional Skydiving Activities taking place. Pilots involved in parachuting activities will broadcast intentions on 123.5 MHZ.

Occasional radio controlled aircraft takes place. Operators obliged to broadcast their activity on FREQ 123.5 MHZ

FYAR AD 2.24 CHARTS RELATED TO ARANDIS

Nil charts available for Arandis Aerodrome.

AD 2. AERODROMES

FYGB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYGB - Gobabis Aerodrome

FYGB AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AP*	223017S 0185929E
2.	*Direction and distance from (city)*	S 3 NM from Gobabis
3.	*Elevation/reference temperature*	4 729 FT
4.	*MAG VAR/annual change*	12° W (2016)/ 0.07° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	CHF: DOT Namibia PB 12003 Ausspannplatz Namibia Tel: (061) 239850 Telefax: (061) 238884/5 Telex: 50908-811/812 AFS: FYHQYACC
6.	*Types of traffic permitted (IFR/VFR)*	VFR
7.	*Remarks*	Public aerodrome, designated port of entry/exit

FYGB AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	HJ
2.	*Customs and immigration*	Nil facilities
3.	*Health and sanitation*	Nil facilities
4.	*AIS briefing office*	Nil facilities
5.	*ATS reporting office (ARO)*	Nil facilities
6.	*MET briefing office*	Nil facilities
7.	*ATS*	Nil facilities
8.	*Fuelling*	0800-1700 (LOCAL)
9.	*Handling*	Nil facilities
10.	*Security*	Nil facilities
11.	*De-icing*	Nil facilities
12.	*Remarks*	Nil

FYGB AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil facilities
2.	*Fuel/oil types*	AVGAS D100
3.	*Fuelling facilities/capacity*	Sold in drums
4.	*De-icing facilities*	Nil facilities
5.	*Hangar space for visiting aircraft*	Nil facilities
6.	*Repair facilities for visiting aircraft*	Nil facilities
7.	*Remarks*	Supplier BP Telephone: (062) 562818 (work) Fax: (062) 562975

FYGB AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town
2.	*Restaurants*	In town
3.	*Transportation*	Nil services
4.	*Medical facilities*	Hospital in town
5.	*Bank and post office*	In town
6.	*Tourist office*	Nil facilities
7.	*Remarks*	Nil

FYGB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

Nil facilities available.

FYGB AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYGB AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Gravel Strength: Nil available
2.	*Taxiway width, surface and strength*	Nil taxiways
3.	*ACL location and elevation*	Nil information
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Nil

FYGB AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY designators
3.	*Stop bars*	Nil facilities
4.	*Remarks*	Nil

FYGB AP 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			In circling areas and at AP		Remarks
1			2		3
RWY/Area affected	Obstacle Type Elevation Markings/ LGT	Co-ordinates	Obstacle type Elevation Markings/ LGT	Co-ordinates	
a	b	c	a	b	
Nil information available					Radio mast at 2227.24S 01858.60E ; Height 98 feet; Site Elevation 4725 feet ; Top of mast 4823 feet AMSL. Day and night markings.

FYGB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Nil facilities
2.	*Hours of service* *MET office outside hours*	Nil facilities
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Nil facilities
5.	*Briefing/consultation provided*	Nil facilities
6.	*Flight documentation* *Language(s) used*	Nil facilities
7.	*Charts and other information available for briefing or consultation*	Nil facilities
8.	*Supplementary equipment available for providing information*	Nil facilities
9.	*ATS units provided with information*	Nil facilities
10.	*Additional information (limitation of service, etc.)*	Nil

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	31.8	30.3	29.0	27.2	24.6	21.9	22.2	25.0	28.8	31.1	31.6	32.4
Min	17.4	16.6	15.1	11.6	6.3	3.1	2.5	4.6	8.8	12.9	15.2	17.0
Relative and absolute humidity at approximately the times of MAX (a) and MNM (b) temperatures												
Rel(a)	60	68	73	72	65	66	61	49	40	40	45	51
% (b)	31	37	36	33	26	26	24	18	17	19	24	26

FYGB AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (M)	Strength (LCN) and surface of RWY and SWY	THR Co-ordinates	THR Elevation and Highest Elevation of TDZ of Precision APP RWY
1	2	3	4	5	6
07	070° MAG	2260 x 30	30 GRAV	Nil information available	Nil information available
25	250° MAG	2260 x 30	30 GRAV	Nil information available	Nil information available
11	110° MAG	1600 x 30	Nil information available	Nil information available	Nil information available
29	290° MAG	1600 x 30	Nil information available	Nil information available	Nil information available

Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
Nil information available	Nil information available	Nil information available	Nil information available	Nil information available	Nil

FYGB AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
07	Nil information available	2260	Nil information available	Nil information available	
25	Nil information available	2260	Nil information available	Nil information available	
11	Nil information available	1600	Nil information available	Nil information available	
29	Nil information available	1600	Nil information available	Nil information available	Nil

FYGB AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil facilities available.

FYGB AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Nil facilities available.

FYGB AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYGB AD 2.17 ATS AIRSPACE

Nil ATS airspace.

FYGB AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
Unmanned	Gobabis Traffic	124.8 MHZ	HJ	Nil

FYGB AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Nil facilities available.

FYGB AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

All crew of an aircraft landing at FYGB AD will be required to complete a general declaration for aircraft. A form will be available at the gate.

2. Taxiing to and from stands

Nil limits.

3. Parking area for small aircraft (general aviation)

On apron.

4. Parking area for helicopters

Nil limits.

5. Apron - Taxiing during winter conditions

Nil limits.

6. Taxiing - Limitations

Nil limits.

7. School and training flights - Technical test flights - Use of runways

Nil training.

8. Helicopter traffic - Limitation

Nil limits.

9. Removal of disabled aircraft from runways

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed, after permission was obtained by the Executive Director of Namibia Civil Aviation Authority. If a wrecked aircraft is not removed from the runway by the owner or user, the aircraft will be removed by the appropriate aerodrome authority at the owner's or user's expense.

9. Removal of disabled aircraft from runways

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed, after permission was obtained by the Executive Director: Namibia Civil Aviation Authority. If a wrecked aircraft is not removed from the runway by the owner or user, the aircraft will be removed by the appropriate aerodrome authority at the owner's or user's expense.

FYGB AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures.

FYGB AD 2.22 FLIGHT PROCEDURES

Nil procedures.

FYGB AD 2.23 ADDITIONAL INFORMATION

Nil

FYGB AD 2.24 CHARTS RELATED TO GOBABIS

Nil charts available for Gobabis Aerodrome.

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AD 2. AERODROMES

FYGF AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYGF - Grootfontein Aerodrome

FYGF AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AP*	193600S 0180800E
2.	*Direction and distance from (city)*	SSE 1.5 NM from Grootfontein
3.	*Elevation/reference temperature*	4 636 FT
4.	*MAG VAR/annual change*	9° W (2016)
5.	*AD administration, address, telephone, telefax, telex, AFS*	Namibia Defence Force Airbase Commander Namibian Air Force Tel: (067) 2491218 ATC Tel: (067) 2491342 FAX ATC: (067) 242542 AFS: FYHQYACC
6.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7.	*Remarks*	1. Military aerodrome 2. FPL to be forwarded to Grootfontein ATC two hours before departures

FYGF AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	Nil facilities
2.	*Customs and immigration*	O/R Tel: (067) 243328 (office)
3.	*Health and sanitation*	Nil facilities
4.	*AIS briefing office*	Nil facilities
5.	*ATS reporting office (ARO)*	Nil facilities
6.	*MET briefing office*	HOD: 0600 - 1500
7.	*ATS*	H24
8.	*Fueling*	Nil facilities
9.	*Handling*	Nil facilities
10.	*Security*	H24
11.	*De-icing*	No facilities
12.	*Remarks*	Nil

FYGF AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil facilities
2.	*Fuel/oil types*	Nil fuel available. Nearest airfield with fuel, Tsumeb
3.	*Fueling facilities/capacity*	Nil facilities
4.	*De-icing facilities*	Nil facilities
5.	*Hangar space for visiting aircraft*	Nil facilities
6.	*Repair facilities for visiting aircraft*	Nil facilities
7.	*Remarks*	Nil

FYGF AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town
2.	*Restaurants*	In town
3.	*Transportation*	O/R
4.	*Medical facilities*	First aid on AD Hospital in town
5.	*Bank and post office*	In town
6.	*Tourist office*	In town
7.	*Remarks*	Nil

FYGF AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	Cat 5
2.	*Rescue equipment*	3 Fire trucks, Water=10800L, Foam=6400L Dry powder=100KG
3.	*Capability for removal of disabled aircraft*	Available
4.	*Remarks*	Nil

FYGF AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYGF AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Concrete Strength: LCN Nil available
2.	*Taxiway width, surface and strength*	Width: 35 M Surface: Asphalt Strength: Nil information available
3.	*ACL location and elevation*	Nil information available
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Old RWY 08/26 now in use as TWY

FYGF AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	08/26 RWY: Designator, THR, TDZ, centre line, edge RWY end TWY: Centre line, holding positions at all RWY/TWY intersections
3.	*Stop bars*	Nil facilities
4.	*Remarks*	Nil

FYGF AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			In circling areas and at AP		Remarks
1			2		3
RWY/Area affected	Obstacle Type Elevation Markings/ LGT	Co-ordinates	Obstacle type Elevation Markings/ LGT	Co-ordinates	
a	b	C	A	b	
08/TKOF	Red and white radio mast left of extended centre line 100 FT high	Nil information available	Radio mast 100 FT high Radio mast 131 FT high	193600S 0180754E 193525S 0180701E	Nil
26/APCH	Red and white radio mast 4 NM THR RWY 26 100 FT high	Nil information available	2 NDB masts 75 FT high S of old RWY 08/26 near intersection with RWY 17/35 LGT	Nil information available	Nil
17	Nil info	Nil information available	Radio mast ± 100 FT high N of RWY 08/26 on left base leg RWY 17	Nil information available	Nil

FYGF AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Grootfontein
2.	*Hours of service* *MET office outside hours*	0600 – 1500
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Nil forecast
5.	*Briefing/consultation provided*	MET observation only
6.	*Flight documentation* *Language(s) used*	Nil info English
7.	*Charts and other information available for briefing or consultation*	Nil facilities
8.	*Supplementary equipment available for providing information*	Nil facilities
9.	*ATS units provided with information*	FYWH
10.	*Additional information (limitation of service, etc.)*	Telephone : (067) 242509

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	29.5	28.2	27.9	27.3	25.2	22.6	22.8	25.9	29.7	31.8	30.7	30.5
Min	17.6	17.2	16.6	14.9	11.1	8.1	8.3	10.8	14.4	17.0	17.3	17.7
Relative and absolute humidity at approximately the times of MAX (a) and MNM (b) temperatures												
Rel(a)	69	76	77	71	58	56	50	40	35	38	52	61
% (b)	43	49	47	41	29	29	25	21	19	23	32	37

FYGF AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG BRG*	*Dimensions of RWY (M)*	*Strength (LCN) and surface of RWY and SWY*	*THR Coordinates*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	2	3	4	5	6
08	080º MAG	3560 M x 45 M	74 ASPH	Nil info	THR 4602 FT
26	260º MAG	3560 M x 45 M	74 ASPH	Nil info	THR 4561 FT
17	170º MAG	1040 M x 30 M	35 ASPH	Nil info	THR 4610 FT
35	350º MAG	1040 M x 30 M	35 ASPH	Nil info	THR 4586 FT

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	8	9	10	11	12
Nil info	300 M	Nil info	Nil info	Nil info	Run up area established on TWY to RWY 24 and then on THR RWY 35
Nil info	300 M	Nil info	Nil info	Nil info	
Nil info	80 M	Nil info	Nil info	Nil info	
Nil info	80 M	Nil info	Nil info	Nil info	

FYGF AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
08	Nil info	3560	Nil info	Nil info	Nil
26	Nil info	3560	Nil info	Nil info	Nil
17	Nil info	1040	Nil info	Nil info	Nil
35	Nil info	1040	Nil info	Nil info	Nil

FYGF AD 2.14 APPROACH AND RUNWAY LIGHTING

Remote control switching for Lights of RWY 08/ RWY26 on frequency 124.5 MHz.

Rwy lights on: click 3 times
Rwy Brightness: click 8 times
Dim: click 5 times

NOTE: Once on maximum brightness lights cannot be dimmed. Lights automatically switch off after 15 minutes

FYGF AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Nil facilities available.

FYGF AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYGF AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Grootfontein ATZ Circle 5NM Centre: 193610S 0180717E
2.	*Vertical limits*	GND to 6500 FT ALT
3.	*Airspace classification*	C
4.	*ATS unit call sign* *Language(s)*	Grootfontein Tower English
5.	*Transition altitude*	6500 FT ALT
6.	*Remarks*	HOD: See AD 2.3 on ATS

FYGF AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	2	3	4	5
TWR	Grootfontein Tower	123.3 MHZ	See AD 2.3	Nil

FYGF 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 coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	2	3	4	5	6	7
VOR/DME (9°W/2016)	GFV	115.7 MHz CH 104X	H24	193617.70S 0180707.00E	4614 FT	Nil

FYGF AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

1.1 Circuit altitude

a) Turbine-powered aircraft 6 000 FT ALT

b) Reciprocating engine powered aircraft 5500FT ALT.

c) RTF communication failure 7 500 FT ALT.

2. Taxiing to and from stands

Nil limits.

3. Parking area for small aircraft (general aviation)

Small aircraft to park in front of old terminal building.

4. Parking area for helicopters

Nil

5. Apron - Taxiing during winter conditions

Nil

6. Taxiing - Limitations

Nil limits.

7. School and training flights - Technical test flights - Use of runways

Nil training.

8. Helicopter traffic - Limitation

Nil limits.

9. Removal of disabled aircraft from runways

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed, after permission was obtained by the Executive Director: Namibia Civil Aviation Authority. If a wrecked aircraft is not removed from the runway by the owner or user, the aircraft will be removed by the appropriate aerodrome authority at the owner's or user's expense.

FYGF AD 2.21 NOISE ABATEMENT PROCEDURES

1. Traffic departing runway 08/26 to maintain runway heading until passing 5 500 FT before a turn is made.
2. Traffic to avoid flying overhead the Military Base or Grootfontein town at low altitude.
3. Unless in an emergency no aircraft shall fly on a right downwind for RWY 26 or left downwind for RWY08.

FYGF AD 2.22 FLIGHT PROCEDURES

Radio Communication Failure (RCF)

a) Aircraft to join overhead the aerodrome at 7500 FT ALT.

b) Make all turns to left as far as practical unless directed by ATC.

c) Land as soon as possible.

d) Report to Air Traffic Control immediately.

FYGF AD 2.23 ADDITIONAL INFORMATION

1. Bird concentrations in the vicinity of the aerodrome

2. Concentration of large birds (storks) in vicinity of aerodrome.

FYGF AD 2.24 CHARTS RELATED TO GROOTFONTEIN

Nil charts available for Grootfontein Aerodrome.

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AD 2. AERODROMES

FYKM AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYKM - Katima Mulilo Aerodrome

FYKM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP co-ordinates and site at AD*	173803S 0241036E
2.	*Direction and distance from (city)*	SW 11 NM from Katima Mulilo
3.	*Elevation/reference temperature*	3144 FT/958.2 M
4.	*MAG VAR/annual change*	7° W (2016)/ 0.05° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	Namibia Airports Company Limited P.O. Box 23061 Windhoek Namibia AD Tel: +264 66 250211 Telefax: +264 66 250212 ATC. Tel: +264 66 250202/3 Controlling AD: +264 61 295 55500 Fax: +264 61 295 55600 E-mail: sinvulab@airports.com.na Telex: Nil info available AFS: Nil info available
6.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7.	*Remarks*	Public aerodrome, designated port of entry/exit

FYKM AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	MON – FRI & SUN: 0600 – 1500 SAT: CLOSED
2.	*Customs and immigration*	Customs: +264-66-250200 Immigration: +264-66-250200 24 HR prior notice required.
3.	*Health and sanitation*	Nil facilities
4.	*AIS briefing office*	Nil
5.	*ATS reporting office (ARO)*	Refer number 7.
6.	*MET briefing office*	Nil facilities

7.	*ATS*	ATC HOD MON – FRI: 0600 - 1030 and 1100 - 1400 SAT: NIL SUN: 0700 - 1300.
8.	*Fuelling*	MON – FRI: 0600 - 1500 SAT, SUN, and Public HOL: Call out
9.	*Handling*	Nil facilities
10.	*Security*	24 HR
11.	*De-icing*	Nil facilities
12.	*Remarks*	Except in the case of emergency or with prior permission no ACFT may take off or land outside AD HOD

FYKM AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil facilities
2.	*Fuel/oil types*	AVGAS and Jet A1 available
3.	*Fuelling facilities/capacity*	Southern Energy Company P.O Box 1228 Walvis Bay Tel/Fax: +264 66 250210 Refueller: Vistronel Mabuki: +264 81 4807772 Chaze Mukulumui: +264 81 275 7649 Office: +264 66 250 210 **Controlling Office** Tel: +264 64 203951 / 203984 (office hours) +264 81 122 7019 (After hours) Fax: +264 64 203984 Cell: +264 81 149 0114 Email: sharonb@sec.com.na 7 000 Litre Jet A1 Isotainer 10 000 Litre Jet A1 Torpedo 30 000 Litre Jet A1 bulk underground tank 23 000 Litre AVGAS bulk underground tank
4.	*De-icing facilities*	Nil facilities
5.	*Hangar space for visiting aircraft*	1 Hangar
6.	*Repair facilities for visiting aircraft*	Nil facilities
7.	*Remarks*	Nil

FYKM AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In Katima Mulilo
2.	*Restaurants*	In Katima Mulilo
3.	*Transportation*	Nil facilities
4.	*Medical facilities*	Hospital in Katima Mulilo
5.	*Bank and post office*	In Katima Mulilo
6.	*Tourist office*	Nil facilities
7.	*Remarks*	Nil

FYKM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 5
2.	*Rescue equipment*	1 vehicle, 9000 litres water
3.	*Capability for removal of disabled aircraft*	NIL
4.	*Remarks*	Fire and rescue service HOD: Mon-Fri: 0600 - 1500 Sat: NIL service Sun: 0800 - 1200

FYKM AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYKM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron surface and strength*	Surface: Asphalt Strength: Nil information available
2	*Taxiway width, surface and strength*	Width: 14 M Surface: asphalt Strength: Nil information available
3	*ACL location and elevation*	Nil information available
4	*VOR/INS checkpoints*	Nil facilities
5	*Remarks*	ACFT must backtrack and use RWY-TWY intersection abeam old ATC tower only – former full length parallel taxiways and intersections permanently closed.

FYKM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY: Designators, THR, TDZ, Centre line TWY: Centre line and holding positions at RWY/TWY intersections
3.	*Stop bars*	Nil facilities
4.	*Remarks*	Nil

FYKM AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			In circling areas and at AD		Remarks
1			2		3
RWY/Area affected	Obstacle Type Elevation Markings/ LGT	Co-ordinates	Obstacle type Elevation Markings/ LGT	Co-ordinates	
a	b	c	a	b	
Nil	Nil	Nil	Radio Mast Elevation: 3220FT Top of mast: 3483FT Height 263FT(80M) Day and Night	173845.9S 0240938.7E	
			NBC Tower Elevation: 3125 FT Height: 235 M AGL/770 FT Top of mast: 3895 FT	173106.4S 0241618.2E	NBC Tower is 8.81NM North East from AD

FYKM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Nil facilities
2.	*Hours of service* *MET office outside hours*	Nil facilities
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Nil facilities
5.	*Briefing/consultation provided*	Nil facilities
6.	*Flight documentation* *Language(s) used*	English
7.	*Charts and other information available for briefing or consultation*	Nil facilities
8.	*Supplementary equipment available for providing information*	Nil facilities
9.	*ATS units provided with information*	Nil facilities
10.	*Additional information (limitation of service, etc.)*	Nil

FYKM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (LCN) and surface of RWY and SWY*	*THR coordinates RWY end coordinates THR geoid undulation*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	**2**	**3**	**4**	**5**	**6**
09	80.35°	2292 x 21	LCN 29 Asphalt	173809.55S 0240957.74E GUND 8.8 M	3144 FT
27	260.35°	2292 x 21	LCN 29 Asphalt	173757.12S 0241113.96E GUND 8.8 M	3126 FT

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	**8**	**9**	**10**	**11**	**12**
Nil information available	Nil information available	Nil information available	Nil information available	Nil information available	Nil

FYKM AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	**2**	**3**	**4**	**5**	**6**
09	2292	Nil info	Nil info	Nil info	Nil
27	2292	Nil info	Nil info	Nil info	Nil

FYKM AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil facilities available.

FYKM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Nil facilities available.

FYKM AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYKM AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Katima Mulilo CTR: Lateral Limits 173502.46S 0235749.61E - 173109.75S 0242136.54E - clockwise along the arc of a circle, radius 12NM, centred at 173757.12S 0241113.96E - 174643.67S 0241950.68E - 174910.27S 0240451.74E - clockwise along the arc of a circle, radius 12NM, centred at 173809.55S 0240957.74E to point of origin
2.	*Vertical limits*	SFC to 6500FT MSL
3.	*Airspace classification*	D
4.	*ATS unit call sign* *Language(s)*	Katima Tower English
5.	*Transition altitude*	10 000FT MSL
6.	*Remarks*	AD Control/FIS Katima TWR provides FIS in the Zambezi Zipfel 1500FT AGL to FL145 The provision of air traffic services in the Zambezi Zipfel area east of Divundu from 1500FT AGL to FL145 has been delegated to Katima Mulilo ATS unit on FREG 125.6MHz. If no contact is established or if operating outside ATS hours of operation, broadcast TIBA on FREQ 125.6MHz.

FYKM AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
Tower/FIS	Katima Tower	a) 125.6 MHz	SUN-FRI: 0400-1600 SAT: Nil Or as per NOTAM	Aircraft are to transmit on TIBA outside these hours

FYKM 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 coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**	**7**
RNP APCH	N/A	1575.42 MHz	H24	N/A	N/A	Transmitting antennas are satellite based

FYKM AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

1.1 Circuit altitude

a) Turbine-powered aircraft 5000FT ALT

b) Reciprocating engine powered aircraft 4500FT ALT

c) RTF communication failure 5500FT ALT

1.2 Right hand circuit on RWY 09 and left hand circuit on RWY 27 due to training area N of AP.

1.3 All pilots operating at Katima Mulilo aerodrome must wear a lime green reflective jacket depicting their airlines concerned on the rear of the jacket for safety reasons as well as easy identification

2. Taxiing to and from stands

ACFT must backtrack and use RWY-TWY intersection abeam old ATC tower only – former full length parallel taxiways and intersections permanently closed.

3. Parking area for small aircraft (general aviation)

Nil limits.

4. Parking area for helicopters

Apron.

5. Apron - Taxiing during winter conditions

Nil limits.

6. Taxiing - Limitations

Nil limits.

7. School and training flights - Technical test flights - Use of runways

Nil training.

8. Helicopter traffic - Limitation

Nil limits.

9. Removal of disabled aircraft from runways

Nil facilities.

FYKM AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures.

FYKM AD 2.22 FLIGHT PROCEDURES

Radio Communication Failure (RCF)

a) Aircraft to join overhead the Aerodrome at 2000FT AGL

b) Observe and join the Aerodrome TFC

c) Make all turns to the left whenever possible

d) Land as soon as possible and report to the ATC

All aircraft departing RWY27 to maintain runway until passing 4500 FT ALT or 5 NM. All aircraft landing RWY09 to be established on final approach at 5 NM, 4500 FT ALT or higher.

FYKM AD 2.23 ADDITIONAL INFORMATION

Nil.

FYKM AD 2.24 CHARTS RELATED TO KATIMA MULILO AERODROME

Aerodrome Chart - ICAO

RESERVED

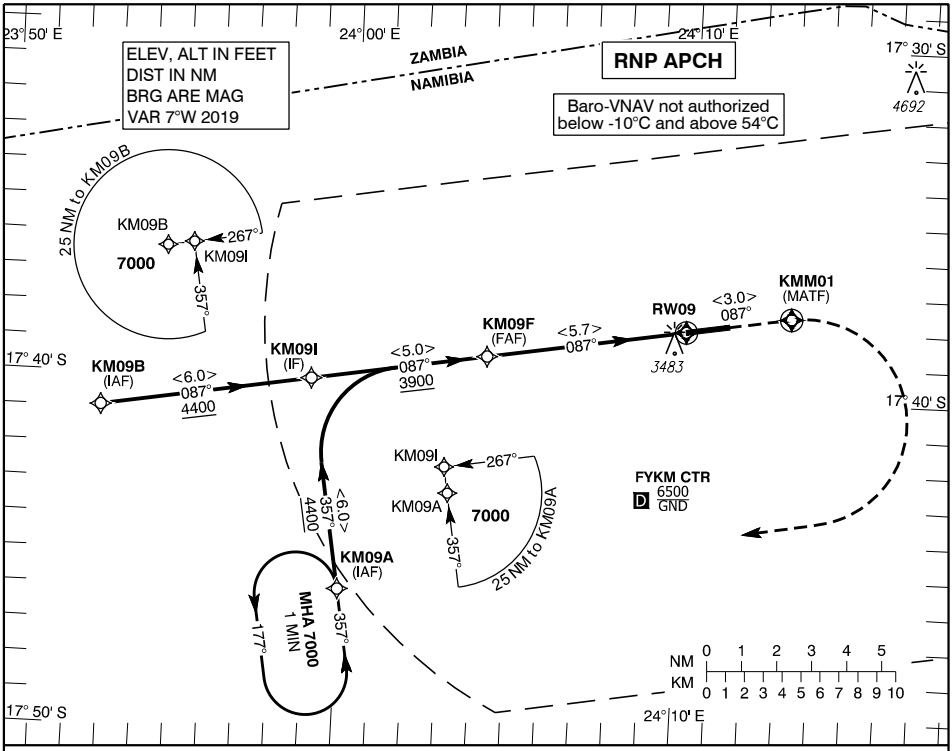
INTENTIONALLY LEFT BLANK

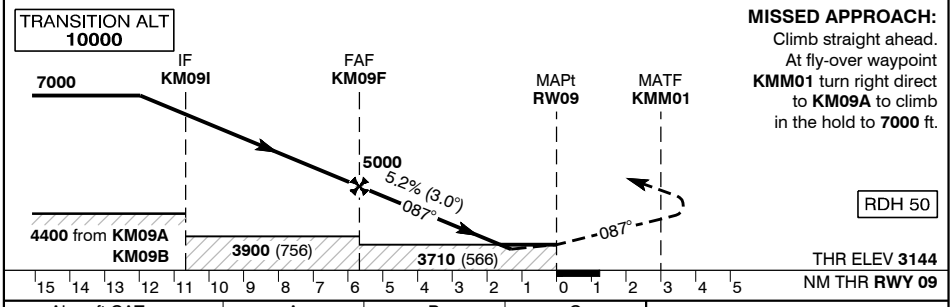
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **3144 FT**
HEIGHT RELATED TO
THR RWY - **09** ELEV - **3144 FT**

TWR 125.60

KATIMA MULILO (FYKM)
RNP RWY 09





MISSED APPROACH:
Climb straight ahead. At fly-over waypoint **KMM01** turn right direct to **KM09A** to climb in the hold to **7000** ft.

Aircraft CAT		A	B	C
MDA (OCH) VIS	LNAV	**3710** (566) 2600		
	LNAV/VNAV	**3610** (466) 2200	**3620** (476) 2200	**3630** (486) 2300
Circling South of RWY only		**3780** (636)	**3780** (636)	**3880** (646)

Distance to MAPt	NM	5	4	3	2	
Altitude	FT	**4785** (1641)	**4470** (1326)	**4150** (1006)	**3830** (686)	
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

NOTES:
1. Right hand circuits on RWY 09 and Left hand circuits on RWY 27 due training area North of RWY.

Circling to the NORTH prohibited

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KM09A	174553.04S 0235959.50E	-	-	-	-	-	-	-	IAF
2	RNP APCH	TF	KM09I	173956.66S 0235856.59E	N	350.4 / 357	6.0	-	-	-	-	IF
3	RNP APCH	TF	KM09F	173906.50S 0240406.38E	N	080.4 / 087	5.0	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RW09	173809.55S 0240957.74E	Y	080.4 / 087	5.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KMM01	173739.45S 0241303.58E	Y	080.4 / 087	3.0	-	-	-	-	MATP
6	RNP APCH	DF	KM09A	174553.04S 0235959.50E	N	-	-	R	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KM09B	174056.84S 0235244.82E	-	-	-	-	-	-	-	IAF
2	RNP APCH	TF	KM09I	173956.66S 0235856.59E	N	080.4 / 087	6.0	-	-	-	-	IF
3	RNP APCH	TF	KM09F	173906.50S 0240406.38E	N	080.4 / 087	5.0	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RW09	173809.55S 0240957.74E	Y	080.4 / 087	5.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KMM01	173739.45S 0241303.58E	Y	080.4 / 087	3.0	-	-	-	-	MATP
6	RNP APCH	DF	KM09A	174553.04S 0235959.50E	N	-	-	R	-	-	-	IAF / MAHP

Hold Identification

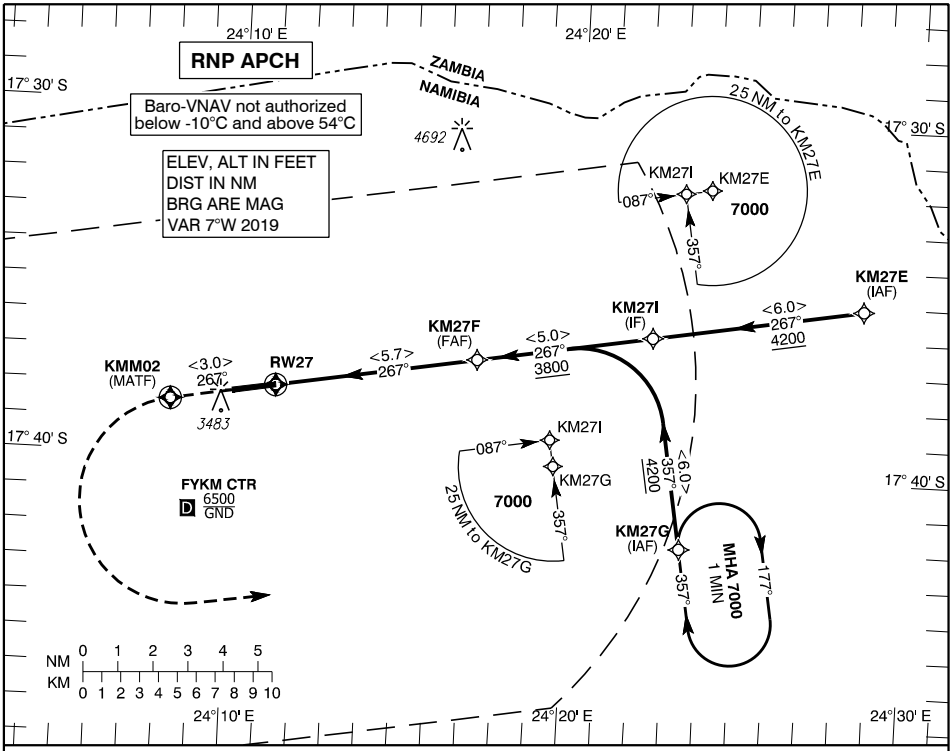
Holding Fix	Latitude / Longitude	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
KM09A	174553.04S 0235959.50E	350.4	357	240	7000	-	1	L

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **3144 FT**
HEIGHT RELATED TO
THR RWY - **27** ELEV - **3126 FT**

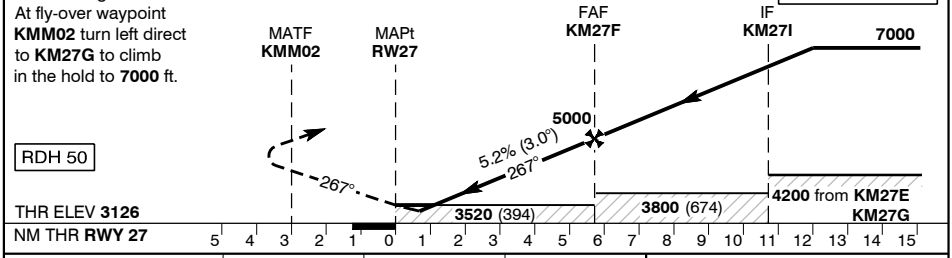
TWR 125.60

KATIMA MULILO (FYKM)
RNP RWY 27



MISSED APPROACH:
Climb straight ahead.
At fly-over waypoint **KMM02** turn left direct to **KM27G** to climb in the hold to **7000** ft.

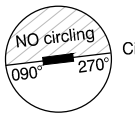
TRANSITION ALT **10000**



Aircraft CAT		A	B	C
MDA (OCH) VIS	LNAV	**3520** (394) 1800		
	LNAV/VNAV	**3400** (274) 1300	**3420** (294) 1400	**3430** (304) 1400
Circling South of RWY only		**3780** (636)	**3780** (636)	**3880** (646)

Distance to MAPt	NM	2	3	4	5	
Altitude	FT	**3815** (689)	**4130** (1004)	**4450** (1324)	**4770** (1644)	
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

NOTES:
1. Right hand circuits on RWY 09 and Left hand circuits on RWY 27 due training area North of RWY.



Circling to the NORTH prohibited

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KM27E	173507.13S 0242829.71E	-	-	-	-	-	-	-	IAF
2	RNP APCH	TF	KM27I	173608.13S 0242218.24E	N	260.3 / 267	6.0	-	-	-	-	IF
3	RNP APCH	TF	KM27F	173658.95S 0241708.66E	N	260.3 / 267	5.0	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RW27	173757.12S 0241113.96E	Y	260.3 / 267	5.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KMM02	173827.61S 0240808.18E	Y	260.3 / 267	-	-	-	-	-	MATP
6	RNP APCH	DF	KM27G	174204.40S 0242321.78E	N	-	-	L	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KM27G	174204.40S 0242321.78E	-	-	-	-	-	-	-	IAF
2	RNP APCH	TF	KM27I	173608.13S 0242218.24E	N	350.3 / 357	6.0	-	-	-	-	IF
3	RNP APCH	TF	KM27F	173658.95S 0241708.66E	N	260.3 / 267	5.0	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RW27	173757.12S 0241113.96E	Y	260.3 / 267	5.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KMM02	173827.61S 0240808.18E	Y	260.3 / 267	-	-	-	-	-	MATP
6	RNP APCH	DF	KM27G	174204.40S 0242321.78E	N	-	-	L	-	-	-	IAF / MAHP

Hold Identification

Holding Fix	Latitude / Longitude	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
KM27G	174204.40S 0242321.78E	350.3	357	240	7000	-	1	R

AD 2. AERODROMES

FYKT AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYKT - Keetmanshoop Airport

FYKT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AD*	263220S 0180642E
2.	*Direction and distance from (city)*	NW 3 NM from Keetmanshoop
3.	*Elevation/reference temperature*	3 506 FT/1 069 M
4.	*MAG VAR/annual change*	17° W (2016)/ 0.02° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	Namibia Airports Company Limited The Airport Manager Private Bag 13357 Windhoek Namibia AD Tel: +264 63 225603 Telefax: +264 63 225608 Controlling AD Tel: +264 61 2955501 Fax: +264 61 2955522 AP Supervisor Tel: +264 63 225606 Fax: +264 63 225608 E-mail: sinvulab@airports.com.na Telex: NIL info available AFS: NIL
6.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7.	*Remarks*	Designated port of entry/exit

FYKT AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	MON - FRI: - 0600 – 1500 SAT: 0700 – 1300 SUN: CLOSED
2.	*Customs and immigration*	On Request Immigration: +264 63 222114 Customs & Excise: +264 63 222749
3.	*Health and sanitation*	NIL info available
4.	*AIS briefing office*	NIL info available
5.	*ATS reporting office (ARO)*	NIL

6.	*MET briefing office*	0300 – 1800
7.	*ATS*	NIL
8.	*Fuelling*	NIL
9.	*Handling*	NIL
10.	*Security*	24 HRS
11.	*De-icing*	NIL facilities
12.	*Remarks*	Except for emergency flight, 24 hours notification is required for Sundays and after hours of operations.

FYKT AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	NIL
2.	*Fuel/oil types*	NIL
3.	*Fuelling facilities/capacity*	NIL
4.	*De-icing facilities*	NIL
5.	*Hangar space for visiting aircraft*	NIL
6.	*Repair facilities for visiting aircraft*	NIL
7.	*Remarks*	NIL

FYKT AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town (Keetmanshoop)
2.	*Restaurants*	In town (Keetmanshoop)
3.	*Transportation*	O/R
4.	*Medical facilities*	First aid at AD Hospital in town
5.	*Bank and post office*	In town (Keetmanshoop)
6.	*Tourist office*	Municipality Southern Tourist Forum (STF) Tel (063) 22 2095
7.	*Remarks*	NIL

FYKT AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	NIL
2.	*Rescue equipment*	NIL
3.	*Capability for removal of disabled aircraft*	NIL
4.	*Remarks*	The aerodrome has 150kg of dry chemical powder in place that the airport supervisor may deploy as an initial response to an aircraft accident.

FYKT AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYKT AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Concrete Strength: NIL information
2.	*Taxiway width, surface and strength*	Width: 23 M Surface: Asphalt Strength: NIL information
3.	*ACL location and elevation*	NIL information
4.	*VOR/INS checkpoints*	NIL facilities
5.	*Remarks*	NIL

FYKT AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	None
2.	*RWY and TWY markings and LGT*	04/22 RWY: Designation: THR, TDZ, CL, edge runway end as appropriate, marked and LGTD TWY: CL, HLDG PSN at all TWY/RWY intersections, marked and LGT
3.	*Stop bars*	NIL facilities
4.	*Remarks*	NIL

FYKT AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			**In circling areas and at AP**		**Remarks**
1			**2**		**3**
RWY/Area affected	*Obstacle Type Elevation Markings/ LGT*	*Co-ordinates*	*Obstacle type Elevation Markings/ LGT*	*Co-ordinates*	
A	**b**	**c**	**A**	**B**	
04 APCH 22 TKOF	NIL info AVBL	NIL info AVBL	NIL info AVBL	NIL info AVBL	Radio mast ± 1.7 NM SSE THR 04 & 36 Height 125 FT AGL (300 FT above AD ELEV)

FYKT AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Windhoek
2.	*Hours of service* *MET office outside hours*	0300 – 1800 Windhoek TEL: +264 62 540059
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek MET
4.	*Type of landing forecast* *Interval of issuance*	METARS/SPECI Hourly
5.	*Briefing/consultation provided*	Nil
6.	*Flight documentation* *Language(s) used*	Nil information English
7.	*Charts and other information available for briefing or consultation*	Nil charts available
8.	*Supplementary equipment available for providing information*	Telefax, telephone, telex
9.	*ATS units provided with information*	FYWH ACC
10.	*Additional information (limitation of service, etc.)*	Nil

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	35.1	33.7	31.8	28.1	24.1	21.2	21.2	23.4	27.4	29.9	32.6	34.4
Min	18.6	18.5	17.5	13.7	9.8	7.2	6.2	7.2	10.5	13.1	15.6	17.3
Relative and absolute humidity at approximately the times of MAX (a) and MNM (b) temperatures												
Rel(a)	43	52	57	58	55	56	53	49	42	38	37	39
% (b)	19	25	28	27	25	27	24	20	17	15	15	17

FYKT AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (LCN) and surface of RWY and SWY*	*THR coordinates RWY end coordinates THR geoid undulation*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	2	3	4	5	6
04	015.90º	2316 x 45	LCN 62 ASPH	263258.99S 0180629.92E GUND 30.0 M	3439 FT
22	195.90º	2316 x 45	LCN 62 ASPH	263147.01S 0180652.71E GUND 30.0 M	3506 FT
18	155.26º	1434 x 30	LCN 16 GRAV	263154.46S 0180632.93E GUND 30.0 M	3502 FT
36	335.26º	1434 x 30	LCN 16 GRAV	263236.36S 0180654.39E GUND 30.0 M	3487 FT

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	8	9	10	11	12
0.87	Nil info	Nil info	Nil info	Nil info	Nil
0.87	Nil info	Nil info	Nil info	Nil info	Nil
0.35	Nil info	Nil info	Nil info	Nil info	Nil
0.35	Nil info	Nil info	Nil info	Nil info	Nil

FYKT AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
04	2316	Nil	Nil	Nil	Nil
22	2316	Nil	Nil	Nil	Nil
18	1434	Nil info	Nil info	Nil info	Nil
36	1434	Nil info	Nil info	Nil info	Nil

FYKT AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT, LEN*	*RWY Centre line LGT length, spacing, colour, INTST*
1	2	3	4	5	6
04	Nil info	Green	PAPI Angle 3º	Nil info	Nil info
22	Nil info	Green	PAPI Angle 3º	Nil info	Nil info
18	Nil info	Nil info	Nil info	Nil info	Nil info
36	Nil info	Nil info	Nil info	Nil info	Nil info

RWY edge LGT LEN spacing colour INTST	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
7	8	9	10
04 2361 M White/LIH/60 M	Red	Nil info	Nil RWY lighting outside AD HOD, except with 6 HR PN for emergency landing or mercy flights
22 2631 M White/LIH/60 M	Red	Nil info	Last 200 M of lights amber

FYKT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	*ABN/IBN location, characteristics and hours of operation*	Flashing green and white HS
2.	*LDI location and LGT* *Anemometer location and LGT*	None Pressure tube anemometer 300 M of intersection of RWY 04 and 36 Temperature: 100 M SW of intersection of RWY 04 and 36
3.	*TWY edge and centre line lighting*	Edge: Blue Centre line: Nil
4.	*Secondary power supply/switch-over time*	Secondary power for all AD lighting No automatic switch available. In the event of main power failure, nil secondary power available.
5.	*Remarks*	Nil

FYKT AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYKT AD 2.17 ATS AIRSPACE

NIL

FYKT AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	2	3	4	5
TIBA	Keetmanshoop Traffic	118.3 MHZ	HS	NIL ATS Services, pilots to broadcast PSN

FYKT 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 coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	2	3	4	5	6	7
VOR/DME (17°W/2016)	KTV	112.9MHz CH76X	H24	263214.69S 0180649.09E	3524FT	Nil
UHF DME	KTV	Tx 1163MHz Rx 1100MHz	H24	263214.69S 0180649.09E	Nil Info	Channel 76X co-axially located with VOR
RNP APCH	N/A	1575.42 MHz	H24	N/A	N/A	Transmitting antennas are satellite based

FYKT AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

1.1 Circuit altitude

a) Turbine-powered aircraft 5 000 FT ALT.

b) Reciprocating engine powered aircraft 4 500 FT ALT.

1.2 Except in case of an emergency or with prior permission, no aircraft may take off or land outside AD HOD.

1.3 All pilots operating at Keetmanshoop aerodrome must wear a lime green reflective jacket depicting their airlines concerned on the rear of the jacket for safety reasons as well as easy identification

2. Taxiing to and from stands

Nil procedures.

3. Parking area for small aircraft (general aviation)

All aircraft to follow marshaller's instructions.

4. Parking area for helicopters

All helicopters to follow marshaller's instructions.

5. Apron - Taxiing during winter conditions

Nil procedures.

6. Taxiing - Limitations

Nil limits.

7. School and training flights - Technical test flights - Use of runways

Nil training.

8. School and training flights - Technical test flights - Use of runways

Nil training.

9. Helicopter traffic - Limitation

Nil limits.

10. Removal of disabled aircraft from runways

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed, after permission was obtained by the Executive Director: Namibia Civil Aviation Authority. If a wrecked aircraft is not removed from the runway by the owner or user, the aircraft will be removed by the appropriate aerodrome authority at the owner's or user's expense.

FYKT AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures.

FYKT AD 2.22 FLIGHT PROCEDURES

Radio Communication Failure (RCF)

a) Aircraft to join overhead the Aerodrome at 2000feet AGL

b) Observe and join the Aerodrome TFC

c) Make all turns to the left whenever possible

d) Land as soon as possible

FYKT AD 2.23 ADDITIONAL INFORMATION

1. Bird concentrations in the vicinity of the aerodrome.

2. Warning: Occasional blasting is carried out at Namibia quarry 3NM of THR RWY 22.

FYKT AD 2.24 CHARTS RELATED TO KEETMANSHOOP

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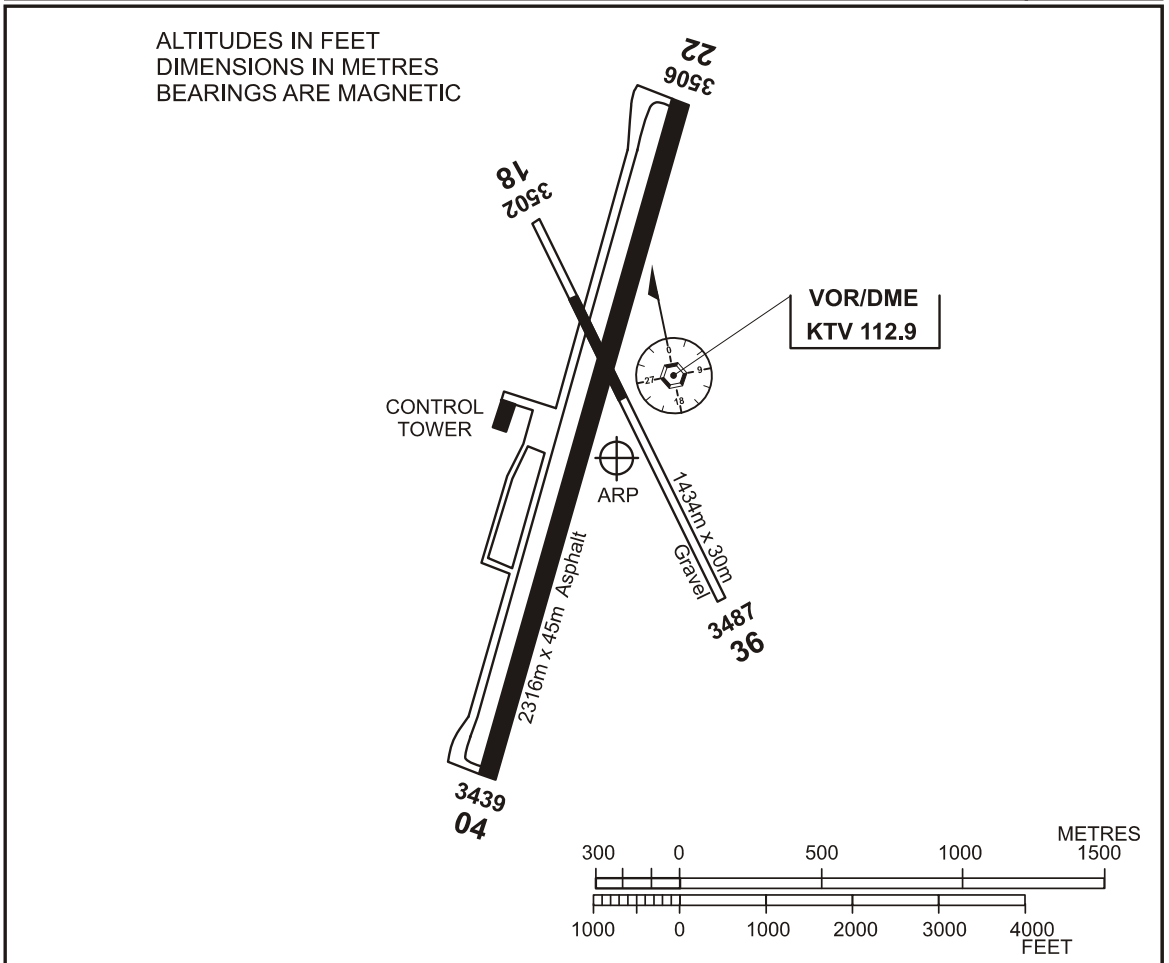
Elev	Var	ARP	
3506	17°W	S26°32'19.64" E018°06'42.31"	

KEETMANSHOOP
AERODROME

KEETMANSHOOP Traffic
118.3

Eff
10 NOV 16

FYKT



R/W	VASIS	APPROACH	THR	RUNWAY	L.DIST	SLOPE
04 (016°T)	P3°	Nil	Gr	LIH	Full	Nil
22 (196°T)					Full	Nil
18 (155°T)	Nil	Nil	Nil	Nil	Full	Nil
36 (335°T)					Full	Nil

OTHER LIGHTING: Taxiway

TAXIWAY WIDTHS
23m asphalt.

1. Bird concentrations in the vicinity of the aerodrome.
2. Warning: Occasional blasting 3 NM N of THR Rwy 22.

Rev : *VAR and Changed Tower to Traffic*

Namibia DCA

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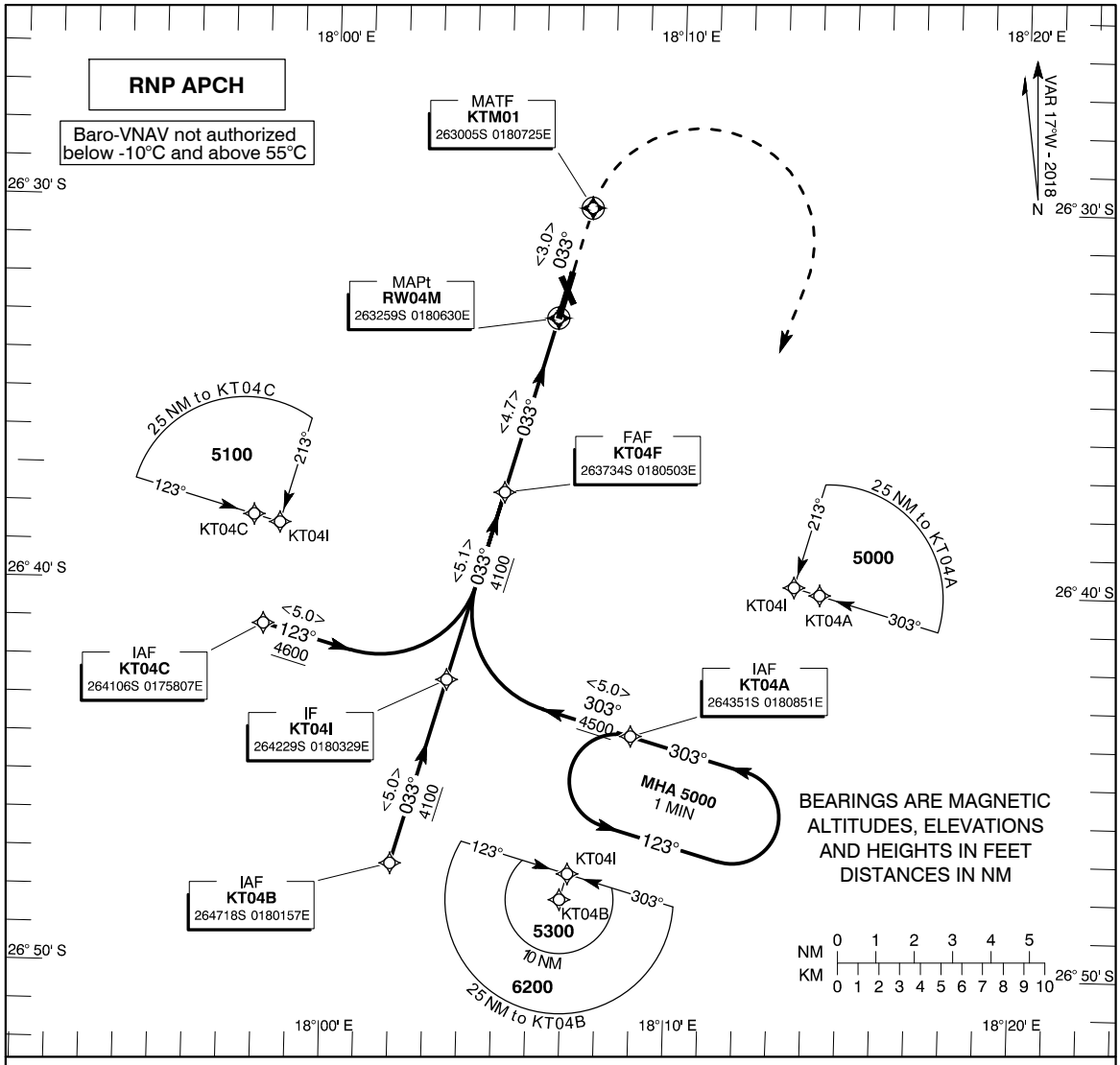
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **3506 FT**
HEIGHT RELATED TO
THR RWY - **04** ELEV - **3439 FT**

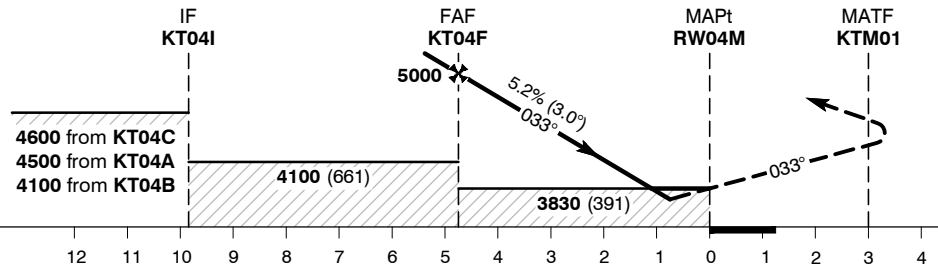
UNM 118.30

KEETMANSHOOP (FYKT)

RNP RWY 04



TRANSITION ALT
10000



MISSED APPROACH:
Climb straight ahead. At fly-over waypoint **KTM01** turn right direct to **KT04A** to join the hold (MHA **5000**).

RDH 50

THR ELEV **3439**

NM THR **RWY 04**

Aircraft cat		A	B	C	D
MDA (OCH) VIS	LNAV	**3830** (391) 1600			
	LNAV/VNAV	**3720** (281) 1200	**3730** (291) 1200	**3770** (331) 1300	**3780** (341) 1400

Distance to MAPt	NM	2		3		4
Altitude	FT	**4125** (686)		**4445** (1006)		**4765** (1326)
Ground Speed	KTS	80	100	120	140	160
Rate of Descent (3.0°)	FT/MIN	425	530	635	745	850

NOTES:

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KT04A	26°43'51.33"S / 018°08'51.44"E	-	-	-	-	- / 5000	-	-	IAF
2	RNP APCH	TF	KT04I	26°42'29.00"S / 018°03'29.19"E	N	285.9 / 303	5.0	-	-	-	-	IF
3	RNP APCH	TF	KT04F	26°37'33.86"S / 018°05'02.80"E	N	015.9 / 033	5.1	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RWY04	26°32'58.99"S / 018°06'29.92"E	Y	015.9 / 033	4.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KTM01	26°30'05.38"S / 018°07'24.92"E	Y	015.9 / 033	-	-	-	-	-	KTV 031° / KTV D2.2
6	RNP APCH	DF	KT04A	26°43'51.33"S / 018°08'51.44"E	N	-	-	R	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KT04B	26°47'18.35"S / 018°01'57.35"E	-	-	-	-	- / 5300	-	-	IAF
2	RNP APCH	TF	KT04I	26°42'29.00"S / 018°03'29.19"E	N	015.9 / 033	5.0	-	-	-	-	IF
3	RNP APCH	TF	KT04F	26°37'33.86"S / 018°05'02.80"E	N	015.9 / 033	5.1	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RWY04	26°32'58.99"S / 018°06'29.92"E	Y	015.9 / 033	4.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KTM01	26°30'05.38"S / 018°07'24.92"E	Y	015.9 / 033	-	-	-	-	-	KTV 031° / KTV D2.2
6	RNP APCH	DF	KT04A	26°43'51.33"S / 018°08'51.44"E	N	-	-	R	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KT04C	26°41'06.48"S / 017°58'07.07"E	-	-	-	-	- / 5100	-	-	IAF
2	RNP APCH	TF	KT04I	26°42'29.00"S / 018°03'29.19"E	N	105.9 / 123	5.0	-	-	-	-	IF
3	RNP APCH	TF	KT04F	26°37'33.86"S / 018°05'02.80"E	N	015.9 / 033	5.1	-	- / 5000	-	-	FAF
4	RNP APCH	TF	RWY04	26°32'58.99"S / 018°06'29.92"E	Y	015.9 / 033	4.7	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KTM01	26°30'05.38"S / 018°07'24.92"E	Y	015.9 / 033	-	-	-	-	-	KTV 031° / KTV D2.2
6	RNP APCH	DF	KT04A	26°43'51.33"S / 018°08'51.44"E	N	-	-	R	-	-	-	IAF / MAHP

Hold Identification

Holding Fix	Latitude / Longitude	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
KT04A	26°43'51.33"S / 018°08'51.44"E	285.8	303	250	5000	-	1	L

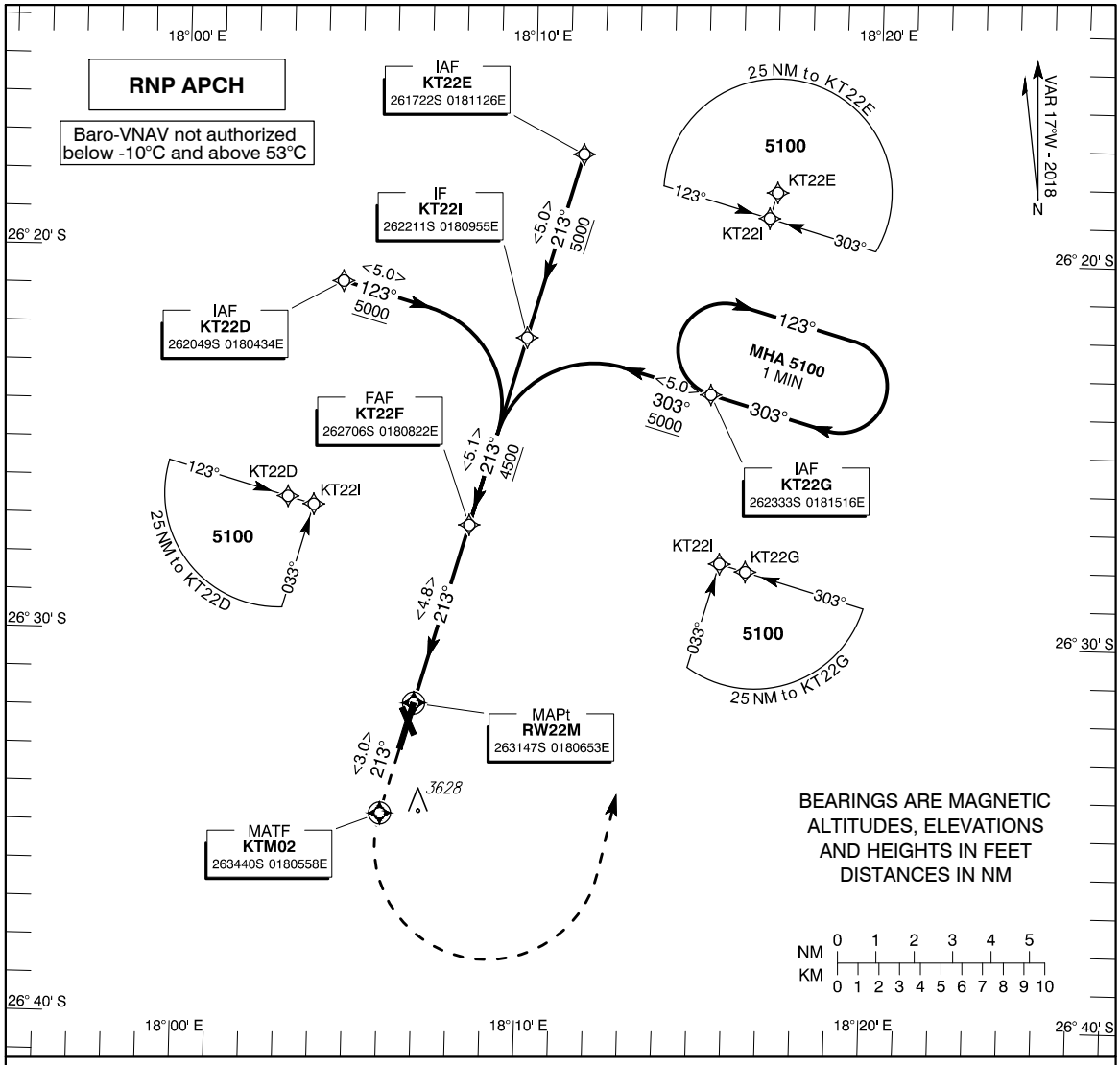
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **3506 FT**
HEIGHT RELATED TO
THR RWY - **22** ELEV - **3506 FT**

UNM 118.30

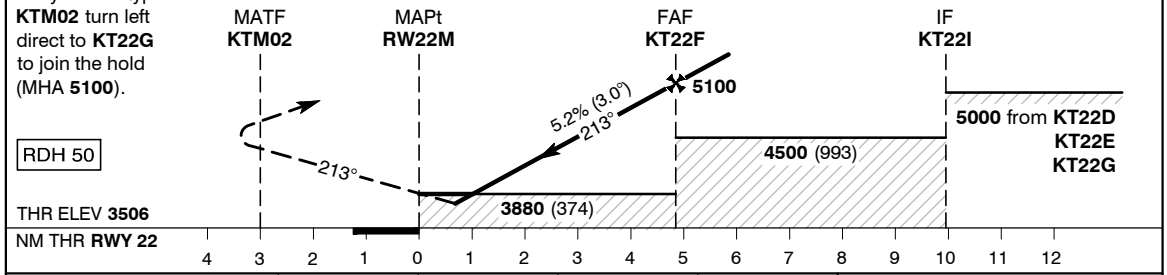
KEETMANSHOOP (FYKT)

RNP RWY 22



MISSED APPROACH:
Climb straight ahead.
At fly-over waypoint **KTM02** turn left direct to **KT22G** to join the hold (MHA **5100**).

TRANSITION ALT **10000**



Aircraft cat		A	B	C	D
MDA (OCH) VIS	LNAV	**3880** (374) 1500			
	LNAV/VNAV	**3770** (264) 1100	**3780** (274) 1100	**3790** (284) 1200	**3800** (294) 1200

Distance to MAPt	NM	2	3	4
Altitude	FT	**4195** (688)	**4510** (1003)	**4830** (1323)

Ground Speed	KTS	80	100	120	140	160
Rate of Descent (3.0°)	FT/MIN	425	530	635	745	850

NOTES:

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KT22D	26°20'48.60"S / 018°04'33.71"E	-	-	-	-	- / 5100	-	-	IAF
2	RNP APCH	TF	KT22I	26°22'11.13"S / 018°09'54.89"E	N	105.9 / 123	5.0	-	-	-	-	IF
3	RNP APCH	TF	KT22F	26°27'06.29"S / 018°08'21.55"E	N	195.9 / 213	5.1	-	- / 5100	-	-	FAF
4	RNP APCH	TF	RWY22	26°31'47.01"S / 018°06'52.71"E	Y	195.9 / 213	4.9	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KTM02	26°34'40.44"S / 018°05'57.80"E	Y	195.9 / 213	-	-	-	-	-	KTV 215° / KTV D2.5
6	RNP APCH	DF	KT22G	26°23'33.46"S / 018°15'16.19"E	N	-	-	L	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KT22E	26°17'21.75"S / 018°11'26.33"E	-	-	-	-	- / 5100	-	-	IAF
2	RNP APCH	TF	KT22I	26°22'11.13"S / 018°09'54.89"E	N	195.9 / 213	5.0	-	-	-	-	IF
3	RNP APCH	TF	KT22F	26°27'06.29"S / 018°08'21.55"E	N	195.9 / 213	5.1	-	- / 5100	-	-	FAF
4	RNP APCH	TF	RWY22	26°31'47.01"S / 018°06'52.71"E	Y	195.9 / 213	4.9	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KTM02	26°34'40.44"S / 018°05'57.80"E	Y	195.9 / 213	-	-	-	-	-	KTV 215° / KTV D2.5
6	RNP APCH	DF	KT22G	26°23'33.46"S / 018°15'16.19"E	N	-	-	L	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	KT22G	26°23'33.46"S / 018°15'16.19"E	-	-	-	-	- / 5100	-	-	IAF
2	RNP APCH	TF	KT22I	26°22'11.13"S / 018°09'54.89"E	N	285.9 / 303	5.0	-	-	-	-	IF
3	RNP APCH	TF	KT22F	26°27'06.29"S / 018°08'21.55"E	N	195.9 / 213	5.1	-	- / 5100	-	-	FAF
4	RNP APCH	TF	RWY22	26°31'47.01"S / 018°06'52.71"E	Y	195.9 / 213	4.9	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	KTM02	26°34'40.44"S / 018°05'57.80"E	Y	195.9 / 213	-	-	-	-	-	KTV 215° / KTV D2.5
6	RNP APCH	DF	KT22G	26°23'33.46"S / 018°15'16.19"E	N	-	-	L	-	-	-	IAF / MAHP

Hold Identification

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
KT22G	26°23'33.46"S / 018°15'16.19"E	285.8	303	250	5100	-	1	R

AD 2. AERODROMES

FYLZ AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYLZ - Luderitz Aerodrome

FYLZ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AD*	264107S 0151444E
2.	*Direction and distance from (city)*	SE 5 NM from Luderitz
3.	*Elevation/reference temperature*	457 FT/139 M
4.	*MAG VAR/annual change*	17° W (2016)
5.	*AD administration, address, telephone, telefax, telex, AFS*	Namibia Airports Company Luderitz P.O.Box 2307, Walvis Bay, Namibia Tuhafeni Hishitelwa: +264 81 408 3328 Administration Tel: +264 63 202035 ATC Tel: +264 63 703590/ 202228 Additional ATC Tel: +264 63 703591 ATC Fax: +264 63 703599 Telefax: +264 63 202037 Controlling AD Tel S/B : +264 63 202035 Fax: +264 64 202037 Email: Hishitelwat@airports.com.na Telex: Nil info available AFS: Nil info available
6.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7.	*Remarks*	Public aerodrome, designated port of entry/exit

FYLZ AD 2.3 OPERATIONAL HOURS

1.	*AD operator*	MON-FRI: 0600-1500, SAT: 0700-1300, SUN: 0800-1200 24 HR notification for AFT HR OPS, except MEDEVAC and Mercy flight
2.	*Customs and immigration*	AVBL on request Customs Tel: +264 63 202259 / 202190 Immigration Tel: +264 63 203440
3.	*Health and sanitation*	AVBL on request Tel: +264 63 202446
4.	*AIS briefing office*	Nil services
5.	*ATS reporting office (ARO)*	Nil services
6.	*MET briefing office*	Nil services
7.	*ATS*	MON-FRI: 0600-1500, SAT: 0700-1300, SUN: 0800-1200
8.	*Fuelling*	MON – FRI: 0600 – 1500 SAT: 0700-1300 SUN: 0800-1200 Public HOL: Call out.

9.	*Handling*	Nil services
10.	*Security*	24 HRS
11.	*De-icing*	Nil services
12.	*Remarks*	Except in the case of emergency or with prior permission no ACFT may take off or land outside AD OPR HR.

FYLZ AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil info
2.	*Fuel / oil types*	AVGAS, Jet A1
3.	*Fueling facilities /capacity*	Southern Energy Company P.O Box 1228 Walvis Bay Tel/Fax: +264 63 203605 Refueler: Gregory Bock, Cell: +264 81 150 2462 Werner Losper Cell +264 81 735 5758 Office: +264 63 203605 SDBY cell phone: +264 81 142 9958 **Controlling Office** Tel: +264 64 203951 / 203984 (office hours) +264 81 407 1421 (After hours) Fax: +264 64 203984 Cell: +264 81 407 1421 Email: walvisbay@sec.com.na 2 000 Litre AVGAS tank 10 000 Litre AVGAS Torpedo 14 000 Litre Jet A1 tanks 30 000 Litre Jet A1 Container Tank
4.	*De-icing facilities*	Nil info
5.	*Hangar space for visiting aircraft*	Nil info
6.	*Repair facilities for visiting aircraft*	Nil info
7.	*Remarks*	Nil info

FYLZ AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town
2.	*Restaurants*	In town
3.	*Transportation*	Nil
4.	*Medical facilities*	Hospital in town
5.	*Bank and post office*	In town
6.	*Tourist office*	In town
7.	*Remarks*	Nil

FYLZ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 4
2.	*Rescue Equipment*	1 vehicle, 6200 Litres of water, 750 Litres foam, 135kg DCP

3.	*Capability for removal of disabled aircraft*	NIL
4.	*Remarks*	Fire & rescue service HOD: MON-FRI: 0600-1500 SAT: 0700-1300 SUN: 0800-1200

FYLZ AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYLZ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Concrete Strength: Nil info available
2.	*Taxiway width, surface and strength*	Nil taxiways
3.	*ACL location and elevation*	Nil facilities
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Nil

FYLZ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY designators, centre line
3.	*Stop bars*	Nil
4.	*Remarks*	Nil

FYLZ AD 2.10 AERODROME OBSTACLES

Area 2					
OBST ID/ Designation	***OBST Type***	***OBST position***	***ELEV/HGT (M)***	***Markings/ Type, colour***	***Remarks***
a	***b***	***c***	***d***	***e***	***f***
Luderitz Wind farm	Wind turbines	263820.67S 0151058.97E 263812.77S 0151114.21E 263759.38S 0151140.00E	200	NIL INFO AVBL	NIL INFO AVBL

FYLZ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Nil facilities
2.	*Hours of service* *MET office outside hours*	Nil services
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Nil information available
5.	*Briefing/consultation provided*	Nil services
6.	*Flight documentation* *Language(s) used*	Nil English
7.	*Charts and other information available for briefing or consultation*	Nil facilities
8.	*Supplementary equipment available for providing information*	Nil facilities
9.	*ATS units provided with information*	FYWH
10.	*Additional information (limitation of service, etc.)*	Nil

FYLZ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (LCN) and surface of RWY and SWY*	*THR Co-ordinates RWY end coordinates THR geoid undulation*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	2	3	4	5	6
04	016.88°	1830 x 30	LCN 35 Asphalt	264129.52S 0151429.17E GUND 32.1 M	420 FT
22	196.88°	1830 x 30	LCN 35 Asphalt	264032.99S 0151448.27E GUND 32.1 M	392 FT
12	098.65°	1193 x 30	LCN 20 GR	264113.87S 0151431.56E GUND 32.1 M	421 FT
30	278.65°	1193 x 30	LCN 20 GR	264119.69S 0151514.21E GUND 32.1 M	457 FT

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	8	9	10	11	12
Nil info	Nil info	Nil info	Nil info	Nil info	Nil
Nil info	Nil info	Nil info	Nil info	Nil info	Nil
Nil info	Nil info	Nil info	Nil info	Nil info	Nil
Nil info	Nil info	Nil info	Nil info	Nil info	Nil

FYLZ AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
04	1830	1830	1830	1830	Nil
22	1830	1830	1830	1830	Nil
12	1193	1193	1193	1193	Nil
30	1193	1193	1193	1193	Nil

FYLZ AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil facilities available.

FYLZ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Nil facilities available.

FYLZ AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYLZ AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Luderitz CTR: Lateral Limits: From point 264455.99S 0150138.68E - 263116.12S 0150616.96E – clockwise along the arc of a circle, radius 12NM, centred at 264032.99S 0151448.27E - 263132.00S 0152340.26E – 265325.05S 0151617.09E - clockwise along the arc of a circle, radius 12NM, centred at 264129.52S 0151429.17E to point of origin.
2.	*Vertical limits*	SFC–3500FT MSL
3.	*Airspace classification*	D
4.	*ATS unit call sign* *Language(s)*	Luderitz Tower English
5.	*Transition altitude*	10 000 FT AMSL
6.	*Remarks*	NIL

FYLZ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
TWR	Luderitz Tower	118.6MHz	MON-FRI: 0600-1500 SAT: 0700-1300 SUN: 0800-1200	All ACFT to BCST Luderitz TWR FREQ 118.6MHz when TWR unmanned

FYLZ 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 coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**	**7**
VOR/DME (17°W / 2016)	LZV	115.6 MHz CH 103X	H24	264057.20S 0151448.23E	492FT	NIL

FYLZ AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

1.1 All pilots operating at Luderitz aerodrome must wear a lime green reflective jacket depicting their airlines concerned on the rear of the jacket for safety reasons as well as easy identification

1.2 Circuit Altitude:

a) Turbine powered aircraft 2000 FT AMSL

b) Reciprocating Engine powered aircraft

1500 FT AMSL

2. Taxiing to and from stands

Nil

3. Parking area for small aircraft (general aviation)

Parking on the apron.

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

Nil

8. Helicopter traffic - Limitation

Nil

9. Removal of disabled aircraft from runways

Nil

FYLZ AD 2.21 NOISE ABATEMENT PROCEDURES

Not applicable.

FYLZ AD 2.22 FLIGHT PROCEDURES

1. Radio Communication failure:

   a) Aircraft to join overhead the aerodrome at 2500 FT AMSL.

   b) Observe and join the aerodrome TFC.

   c) Make all turns to the left whenever possible.

   d) Watch for ATC light signals from the TWR.

   e) Land as soon as possible and report to the ATC.

2. Circuits patterns during ATC HOD:

RWY 22/04: All ACFT can expect to fly circuits to the east.

RWY 22 Left - hand circuits

RWY 04 Right - hand circuits

FYLZ AD 2.23 ADDITIONAL INFORMATION

NIL

FYLZ AD 2.24 CHARTS RELATED TO LUDERITZ

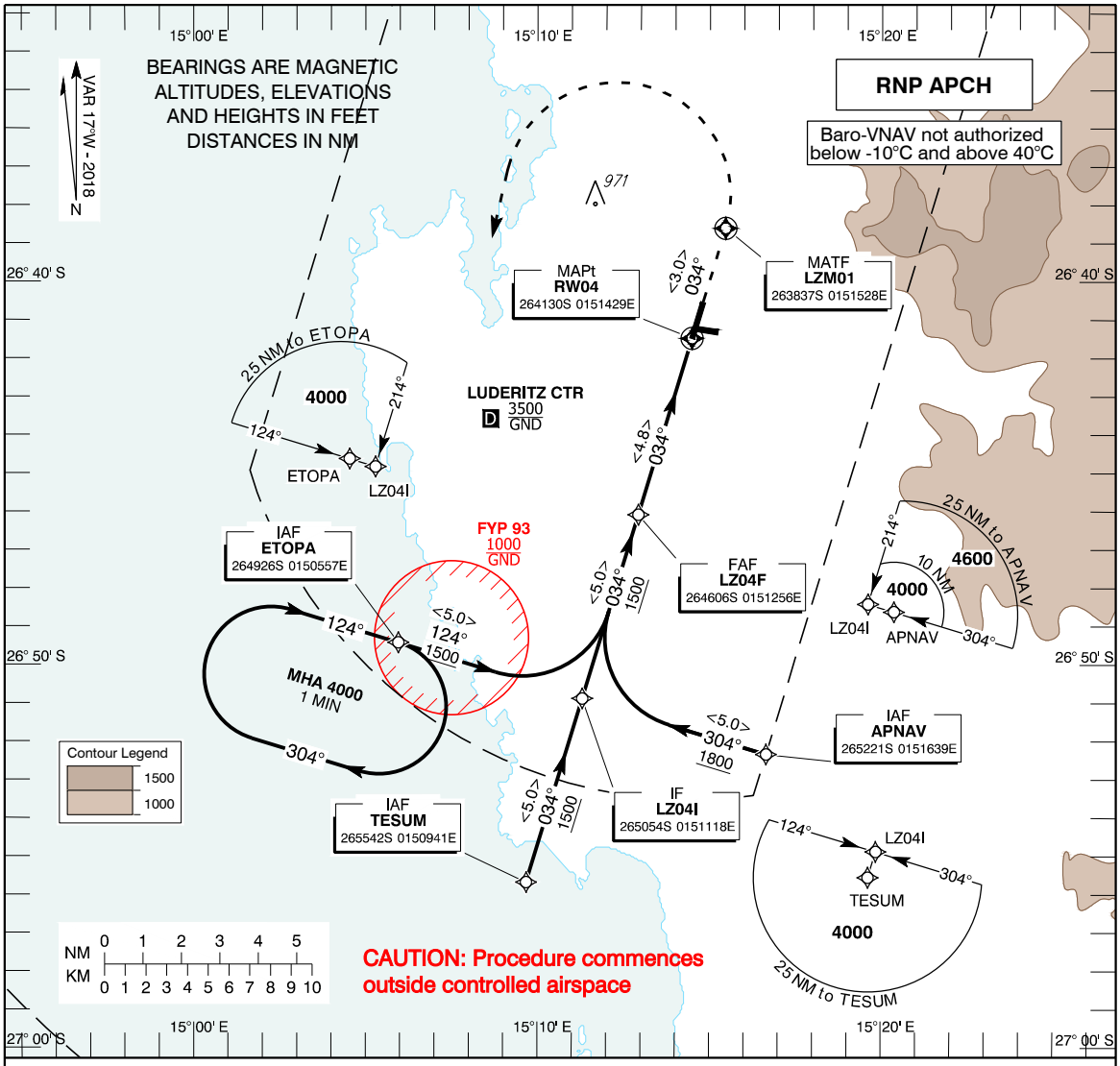
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **457 FT**
HEIGHT RELATED TO
THR RWY - **04** ELEV - **420 FT**

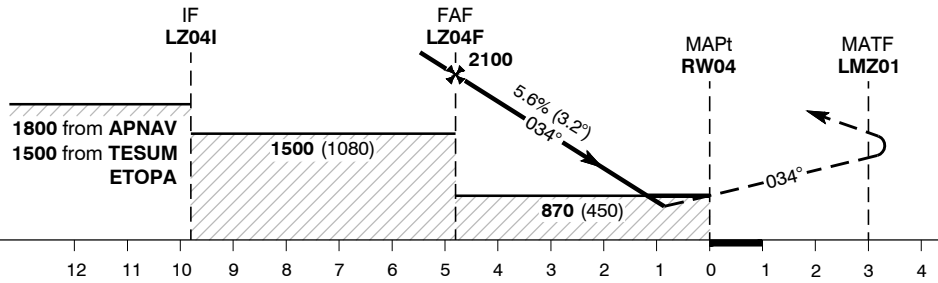
TWR	118.60
UNM	118.60

LUDERITZ (FYLZ)

RNP RWY 04



TRANSITION ALT
10000



MISSED APPROACH:
Climb straight ahead.
At fly-over waypoint
LZM01 turn left
direct to **ETOPA**
to join the hold
(MHA **4000**).

RDH 50

THR ELEV **420**
NM THR **RWY 04**

Aircraft CAT		A	B	C
MDA (OCH) VIS	LNAV	**870** (450) 1900		
	LNAV/VNAV	**760** (340) 1300	**770** (350) 1400	**780** (360) 1400
Distance to MAPt	NM	4	3	2
Altitude	FT	**1830** (1410)	**1490** (1070)	**1150** (730)

Ground Speed	KTS	80	100	120	140	160
Rate of Descent (3.2°)	FT/MIN	455	565	680	795	905

NOTES:
1. Track shortening inside IAF not permitted.
2. Procedure commences outside controlled airspace.
3. Strong winds and severe sandstorms possible.
4. Broadcast intentions on 123.8MHz and 124.8MHz until established within CTR.
5. Visual segment penetrated - terrain right of track.

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	APNAV	265221.19S 0151639.12E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	LZ04I	265053.83S 0151118.12E	N	286.9 / 304	5.0	-	-	-	-	IF
3	RNP APCH	TF	LZ04F	264605.96S 0151255.63E	N	016.9 / 034	5.0	-	- / 2100	-	-	FAF
4	RNP APCH	TF	RW04	264129.71S 0151429.11E	Y	016.9 / 034	4.8	-	-	-	3.20 / 50	MAPt
5	RNP APCH	CF	LZM01	263836.98S 0151527.54E	Y	016.9 / 034	-	-	-	-	-	MATP
6	RNP APCH	DF	ETOPA	264926.26S 0150557.26E	N	-	-	L	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	TESUM	265541.69S 0150940.55E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	LZ04I	265053.83S 0151118.12E	N	016.9 / 034	5.0	-	-	-	-	IF
3	RNP APCH	TF	LZ04F	264605.96S 0151255.63E	N	016.9 / 034	5.0	-	- / 2100	-	-	FAF
4	RNP APCH	TF	RW04	264129.71S 0151429.11E	Y	016.9 / 034	4.8	-	-	-	3.20 / 50	MAPt
5	RNP APCH	CF	LZM01	263836.98S 0151527.54E	Y	016.9 / 034	-	-	-	-	-	MATP
6	RNP APCH	DF	ETOPA	264926.26S 0150557.26E	N	-	-	L	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	ETOPA	264926.26S 0150557.26E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	LZ04I	265053.83S 0151118.12E	N	106.9 / 124	5.0	-	-	-	-	IF
3	RNP APCH	TF	LZ04F	264605.96S 0151255.63E	N	016.9 / 034	5.0	-	- / 2100	-	-	FAF
4	RNP APCH	TF	RW04	264129.71S 0151429.11E	Y	016.9 / 034	4.8	-	-	-	3.20 / 50	MAPt
5	RNP APCH	CF	LZM01	263836.98S 0151527.54E	Y	016.9 / 034	-	-	-	-	-	MATP
6	RNP APCH	DF	ETOPA	264926.26S 0150557.26E	N	-	-	L	-	-	-	IAF / MAHP

Hold Identification

Holding Fix	Latitude / Longitude	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
ETOPA	264926.26S 0150557.26E	107.0	124	240	4000	-	1	R

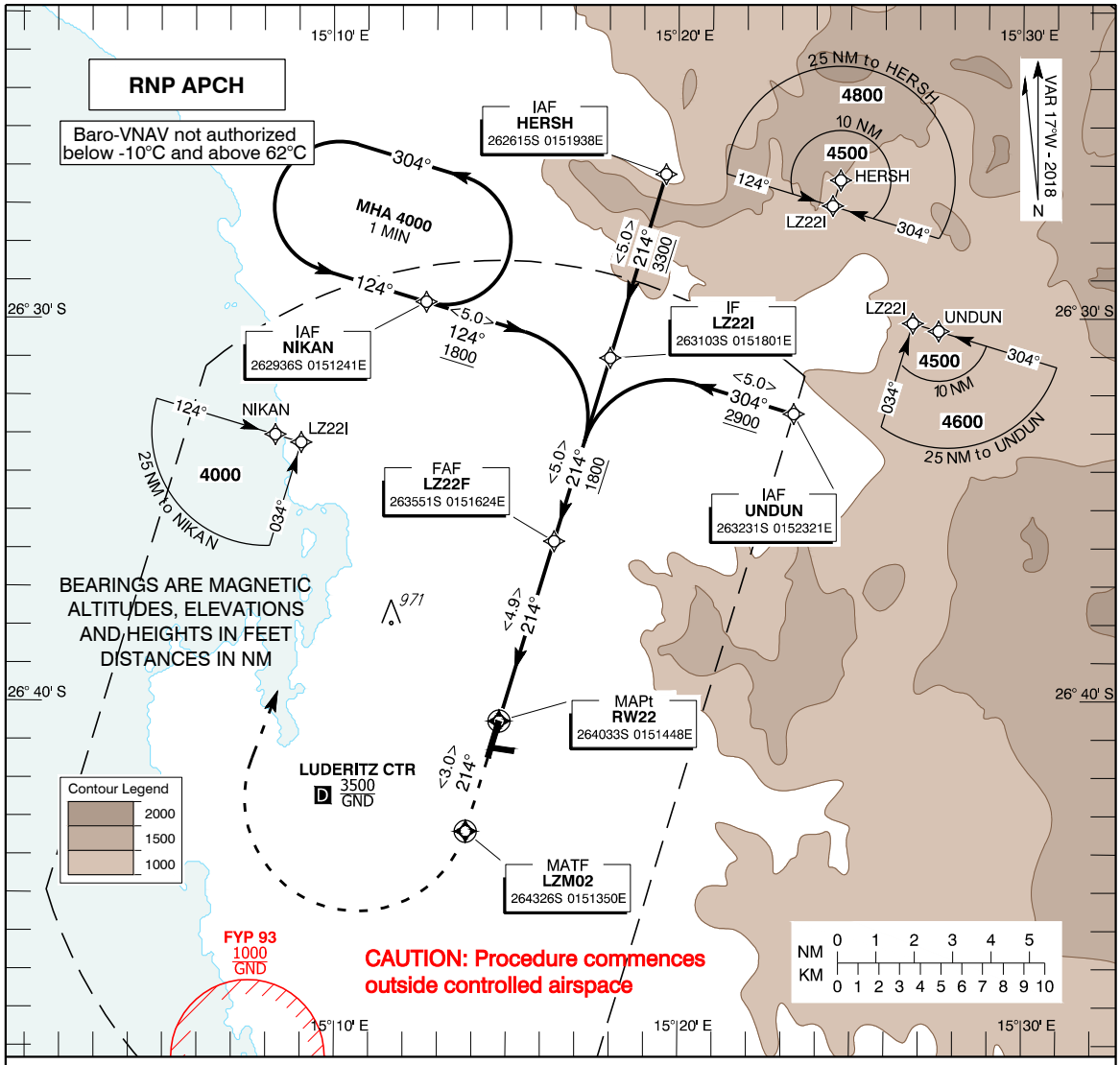
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **457 FT**
HEIGHT RELATED TO
THR RWY - **22** ELEV - **392 FT**

TWR	118.60
UNM	118.60

LUDERITZ (FYLZ)

RNP RWY 22



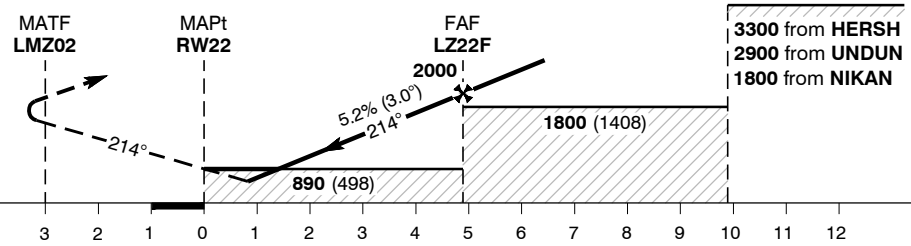
MISSED APPROACH:
Climb straight ahead.
At fly-over waypoint **LZM02** turn right direct to **NIKAN** to join the hold (MHA **4000**).

TRANSITION ALT **10000**

RDH 50

THR ELEV **392**

NM THR **RWY 22**



Aircraft CAT		A	B	C
MDA (OCH) VIS	LNAV	**890** (498) 2100		
	LNAV/VNAV	**780** (388) 1600	**790** (398) 1600	**800** (408) 1700
Distance to MAPt	NM	2	3	4
Altitude	FT	**1080** (688)	**1395** (1003)	**1715** (1323)

Ground Speed	KTS	80	100	120	140	160
Rate of Descent (3.0°)	FT/MIN	425	530	635	745	850

NOTES:
1. Track shortening inside IAF not permitted
2. Procedure commences outside controlled airspace.
3. Strong winds and severe sandstorms possible.
4. Broadcast intentions on 123.8MHz and 124.8MHz until established within CTR.
5. Visual segment penetrated - terrain left of track.
6. Descent gradient greater than 5.9% (3.4°) from UNDUN.

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	NIKAN	262935.63S 0151240.83E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	LZ22I	263103.19S 0151800.77E	N	106.9 / 124	5.0	-	-	-	-	IF
3	RNP APCH	TF	LZ22F	263551.08S 0151623.54E	N	196.9 / 214	5.0	-	- / 2000	-	-	FAF
4	RNP APCH	TF	RW22	264032.81S 0151448.34E	Y	196.9 / 214	4.9	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	LZM02	264325.54S 0151349.94E	Y	196.9 / 214	-	-	-	-	-	MATP
6	RNP APCH	DF	NIKAN	262935.63S 0151240.83E	N	-	-	R	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	HERSH	262615.30S 0151937.92E	-	-	-	-	- / 4500	-	-	IAF
2	RNP APCH	TF	LZ22I	263103.19S 0151800.77E	N	196.9 / 214	5.0	-	-	-	-	IF
3	RNP APCH	TF	LZ22F	263551.08S 0151623.54E	N	196.9 / 214	5.0	-	- / 2000	-	-	FAF
4	RNP APCH	TF	RW22	264032.81.S 0151448.34E	Y	196.9 / 214	4.9	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	LZM02	264325.54S 0151349.94E	Y	196.9 / 214	-	-	-	-	-	MATP
6	RNP APCH	DF	NIKAN	262935.63S 0151240.83E	N	-	-	R	-	-	-	IAF / MAHP

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	UNDUN	263230.56S 0152320.84E	-	-	-	-	- / 4500	-	-	IAF
2	RNP APCH	TF	LZ22I	263103.19S 0151800.77E	N	286.9 / 304	5.0	-	-	-	-	IF
3	RNP APCH	TF	LZ22F	263551.08S 0151623.54E	N	196.9 / 214	5.0	-	- / 2000	-	-	FAF
4	RNP APCH	TF	RW22	264032.81S 0151448.34E	Y	196.9 / 214	4.9	-	-	-	3.00 / 50	MAPt
5	RNP APCH	CF	LZM02	264325.54S 0151349.94E	Y	196.9 / 214	-	-	-	-	-	MATP
6	RNP APCH	DF	NIKAN	262935.63S 0151240.83E	N	-	-	R	-	-	-	IAF / MAHP

Hold Identification

Holding Fix	Latitude / Longitude	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
NIKAN	262935.63S 0151240.83E	107.0	124	240	4000	-	1	L

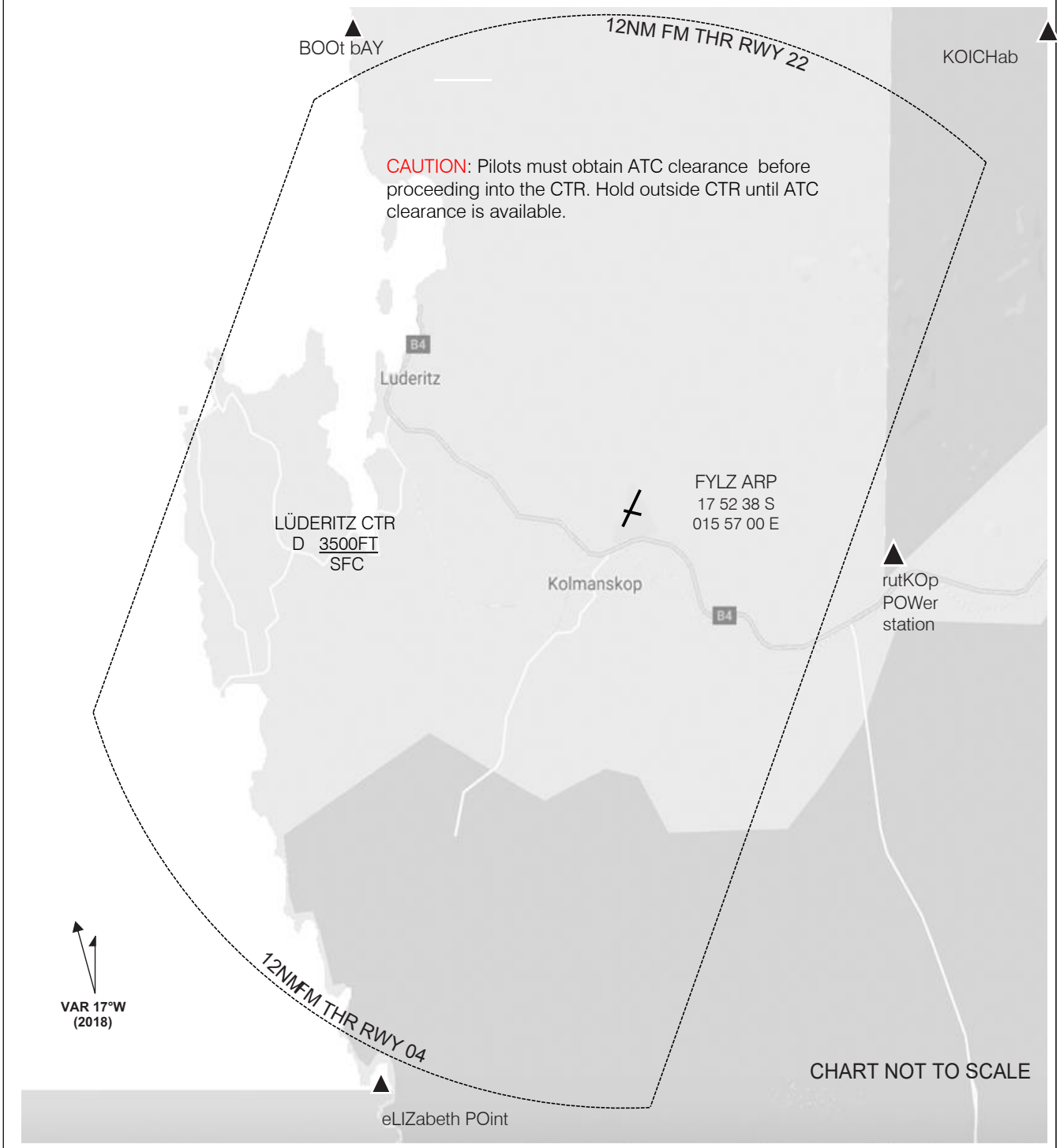
VISUAL APPROACH CHART - ICAO

AD ELEV - **457FT**
TA 10000FT

TWR 118.6
UNM 118.6

LÜDERITZ (FYLZ)

BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS
AND HEIGHTS IN FEET



CHANGES: NEW

FOR ADDITIONAL INFORMATION SEE VERSO

COM failure:
1. Squawk 7600
2. If possible CTC Lüderitz TWR on +264 63 202228
3. Aircraft to join overhead at 2500FT MSL
4. Observe and join the aerodrome traffic circuit
5. Make all turns left whenever possible
6. Watch for ATC light signals from TWR
7. Land as soon as possible and CTC ATC

WAYPOINTS

Waypoints	LAT/LONG	Must be spoken as
BOOAY	262733.00S 0150653.00E	BOOT BAY
LIZPO	265528.00S 0151126.00E	ELIZABETH POINT
KOICH	262555.00S 0152909.00E	KOICHAB SOUTH
KOPOW	264222.00S 0152150.00E	RUTKOP POWER STATION

AD 2. AERODROMES

FYML AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYML - Mariental Aerodrome

FYML AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AP*	243615S 0175530E
2.	*Direction and distance from (city)*	WNW 3 NM from Mariental
3.	*Elevation/reference temperature*	3 650 FT
4.	*MAG VAR/annual change*	15° W (2016)/ 0.05° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	CHF: DOT Namibia Private Bag 12003 Ausspannplatz Namibia Tel: (061) 23-9850 Telefax: (061) 23-8884/5 Telex: Nil facility AFS: Nil facility
6.	*Types of traffic permitted (IFR/VFR)*	VFR/IFR
7.	*Remarks*	Airfield Licence withdrawn

FYML AD 2.3 OPERATIONAL HOURS

Nil facilities available.

FYML AD 2.4 HANDLING SERVICES AND FACILITIES

Nil facilities available.

FYML AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town
2.	*Restaurants*	In town
3.	*Transportation*	Nil services
4.	*Medical facilities*	Hospital in town
5.	*Bank and post office*	In town
6.	*Tourist office*	Nil
7.	*Remarks*	Nil

FYML AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

Nil facilities available.

FYML AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYML AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Asphalt Strength: Nil info
2.	*Taxiway width, surface and strength*	Nil taxiways
3.	*ACL location and elevation*	Nil info
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Nil

FYML AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY designators, THR, centre line
3.	*Stop bars*	Nil facilities
4.	*Remarks*	Nil

FYML AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			In circling areas and at AP		Remarks
1			2		3
RWY/Area affected	*Obstacle Type Elevation Markings/ LGT*	*Coordinates*	*Obstacle type Elevation Markings/ LGT*	*Coordinates*	
a	b	c	a	b	
Nil info	Nil info	Nil info	Nil info	Nil info	Microwave tower 8 NM NNW Elev 4008 FT Radio mast 243900S 0180145E Height 68 FT Elev 3870 FT Mast top 3938 FT AMSL Day markings only

FYML AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Nil facilities
2.	*Hours of service* *MET office outside hours*	Nil facilities
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Nil facilities
5.	*Briefing/consultation provided*	Nil facilities
6.	*Flight documentation* *Language(s) used*	Nil facilities English
7.	*Charts and other information available for briefing or consultation*	Nil facilities
8.	*Supplementary equipment available for providing information*	Nil facilities
9.	*ATS units provided with information*	Nil facilities
10.	*Additional information (limitation of service, etc.)*	Nil

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	35.6	33.6	31.8	28.9	25.7	22.7	22.9	25.1	28.7	31.4	34.4	36.4
Min	18.5	19.4	16.2	11.4	6.5	2.8	2.0	3.4	7.4	11.1	13.7	17.6
Mean pressure for each month of the year at approximate the times of MAX and MIN temperatures in hPa												
Max	40.7	38.9	36.1	35.5	31.9	28.0	28.5	31.0	34.6	38.8	39.4	41.6
Min	10.3	12.9	7.0	2.9	-2.0	-4.2	-4.5	-5.3	-2.1	0.0	5.0	7.1
Relative and absolute humidity at approximately the times of MAX (a) and MNM (b) temperatures												
Rel(a)	25	35	36	29	26	26	24	22	19	18	17	21
% (b)	46	67	69	70	67	67	64	58	50	42	36	39

FYML AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG BRG*	*Dimensions of RWY (M)*	*Strength (LCN) and surface of RWY and SWY*	*THR Coordinates*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	2	3	4	5	6
01	Nil info	2000 x 25	LCN 35 Asphalt	Nil info	Nil info
19	Nil info	2000 x 25	LCN 35 Asphalt	Nil info	Nil info
12	Nil info	1500 x 30	LCN 15 GRAV	Nil info	Nil info
30	Nil info	1500 x 30	LCN 15 GRAV	Nil info	Nil info

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	8	9	10	11	12
Nil info	Nil info	Nil info	Nil info	Nil info	Nil

FYML AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
01	Nil info	2000	Nil info	Nil info	Nil
19	Nil info	2000	Nil info	Nil info	Nil
12	Nil info	1500	Nil info	Nil info	Nil
30	Nil info	1500	Nil info	Nil info	Nil

FYML AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil facilities available.

FYML AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Nil facilities available.

FYML AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYML AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Nil ATS airspace
2.	*Vertical limits*	Nil ATS airspace
3.	*Airspace classification*	Nil ATS airspace
4.	*ATS unit call sign* *Language(s)*	Nil ATS airspace English
5.	*Transition altitude*	Nil ATS airspace
6.	*Remarks*	Nil

FYML AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
Unmanned	Mariental Traffic	124.8 MHZ	HJ	Nil

FYML 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*	*Site of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	2	3	4	5	6	7
NDB	MA	340 KHZ	H24	Nil info	Nil info	Range 80 NM

FYML AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

Aircraft must adhere to RWY's and TWY's and park in the parking area.

2. Taxiing to and from stands

Nil procedures.

3. Parking area for small aircraft (general aviation)

Nil procedures.

4. Parking area for helicopters

Nil procedures.

5. Apron - Taxiing during winter conditions

Nil limits.

6. Taxiing - Limitations

Nil limits.

7. School and training flights - Technical test flights - Use of runways

Nil training.

8. Helicopter traffic - Limitation

Nil limits.

9. Removal of disabled aircraft from runways

Nil procedures.

FYML AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures.

FYML AD 2.22 FLIGHT PROCEDURES

Nil procedures.

FYML AD 2.23 ADDITIONAL INFORMATION

Nil.

FYML AD 2.24 CHARTS RELATED TO MARIENTAL

Nil charts available for Mariental Aerodrome.

AD 2. AERODROMES

FYMO AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYMO - Mokuti Lodge Aerodrome

FYMO AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AP*	184852S 0170307E
2.	*Direction and distance from (city)*	South 500 M from the lodge
3.	*Elevation/reference temperature*	3 650 FT
4.	*MAG VAR/annual change*	9° W (2016)/ 0.13° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	Namibia Resorts International PO Box 2862 Windhoek Namibia Tel: (067) 229084 Telefax: (067) 234512 Telex: Nil facility AFS: Nil facility
6.	*Types of traffic permitted (IFR/VFR)*	VFR/IFR
7.	*Remarks*	Unlicensed Aerodrome Public category

FYMO AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	HJ
2.	*Customs and immigration*	Nil facilities
3.	*Health and sanitation*	Nil facilities
4.	*AIS briefing office*	Nil facilities
5.	*ATS reporting office (ARO)*	Nil facilities
6.	*MET briefing office*	Nil facilities
7.	*ATS*	Nil facilities
8.	*Fuelling*	0400 - 1600
9.	*Handling*	Nil facilities
10.	*Security*	Nil facilities
11.	*De-icing*	Nil facilities
12.	*Remarks*	Nil

FYMO AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil facilities
2.	*Fuel/oil types*	AVGAS 100LL Sold in 200 L units by prior request
3.	*Fuelling facilities/capacity*	Drums Maximum 1 000 Litres
4.	*De-icing facilities*	Nil facilities
5.	*Hangar space for visiting aircraft*	15 M x 15 M
6.	*Repair facilities for visiting aircraft*	Nil facilities
7.	*Remarks*	Nil

FYMO AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	Yes
2.	*Restaurants*	Yes
3.	*Transportation*	Yes
4.	*Medical facilities*	Clinic
5.	*Bank and post office*	Nil facilities
6.	*Tourist office*	Yes
7.	*Remarks*	Nil

FYMO AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

Nil facilities available.

FYMO AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYMO AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Interlocking Strength: LCN 8
2.	*Taxiway width, surface and strength*	Width: Nil info Surface: Gravel Strength: LCN 8
3.	*ACL location and elevation*	Nil info
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Nil

FYMO AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY marked 08/26
3.	*Stop bars*	Nil facilities
4.	*Remarks*	Nil

FYMO AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			In circling areas and at AP		Remarks
1			2		3
RWY/Area affected	Obstacle Type Elevation Markings/ LGT	Co-ordinates	Obstacle type Elevation Markings/ LGT	Co-ordinates	
a	b	c	a	b	
Nil info	Nil info	Nil info	Nil info	Nil info	1. Lightning conductor 300 M north of RWY 2. Survey beacon 30 M AGL 300 M south of RWY 3. Fence N-S 188 M from THR RWY 08 Height 2.3 M

FYMO AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Nil facilities
2.	*Hours of service* *MET office outside hours*	Nil facilities
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Nil facilities
5.	*Briefing/consultation provided*	Nil facilities
6.	*Flight documentation* *Language(s) used*	Nil facilities English
7.	*Charts and other information available for briefing or consultation*	Nil facilities
8.	*Supplementary equipment available for providing information*	Nil facilities
9.	*ATS units provided with information*	Nil facilities
10.	*Additional information (limitation of service, etc.)*	Nil

FYMO AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (M)	Strength (LCN) and surface of RWY and SWY	THR Co-ordinates	THR Elevation and Highest Elevation of TDZ of Precision APP RWY
1	2	3	4	5	6
08	Nil info	2200 x 30	LCN 8 HARD GRAV (1)	Nil info	Nil info
26	Nil info	2200 x 30	LCN 8 HARD GRAV	Nil info	Nil info

Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
Nil info	Nil info	Nil info	Nil info	Nil info	(1) 700m of RWY is Concrete

FYMO AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	Nil info	2200	Nil info	Nil info	Nil
26	Nil info	2200	Nil info	Nil info	Nil

FYMO AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil facilities available.

FYMO AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Nil facilities available.

FYMO AD 2.16 HELICOPTER LANDING AREA

Nil facilities available.

FYMO AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Nil ATS airspace
2.	*Vertical limits*	Nil ATS airspace
3.	*Airspace classification*	Nil ATS airspace
4.	*ATS unit call sign* *Language(s)*	Nil ATS airspace English
5.	*Transition altitude*	Nil Info
6.	*Remarks*	Nil

FYMO AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
Unmanned	Mokuti Traffic	123.5 MHZ	HJ	Nil ATS - only arrival notification

FYMO AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Nil facilities available.

FYMO AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

1.1 Special instruction

a) AD borders on Etosha National Park. No aircraft may fly below 3000 FT AGL except for landing and take off.

b) In no wind conditions, land RWY 26 and take off RWY 08.

1.2 *Circuit procedure*

a) RWY 08 left.

b) RWY 26 right.

2. Taxiing to and from stands

Nil limits

3. Parking area for small aircraft (general aviation)

30 M x 30 M

4. Parking area for helicopters

Same as aircraft.

5. Apron - Taxiing during winter conditions

Nil limits.

6. Taxiing - Limitations

Nil limits.

7. School and training flights - Technical test flights - Use of runways

Nil training.

8. Helicopter traffic - Limitation

Nil limits.

9. Removal of disabled aircraft from runways

Nil procedures.

FYMO AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures.

FYMO AD 2.22 FLIGHT PROCEDURES

Nil procedures.

FYMO AD 2.23 ADDITIONAL INFORMATION

Nil.

FYMO AD 2.24 CHARTS RELATED TO MOKUTI LODGE

Nil charts available for Mokuti Lodge Aerodrome

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AD 2. AERODROMES

FYOA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYOA - Ondangwa Aerodrome

FYOA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AD*	175238S 0155700E ARP site not established with the survey
2.	*Direction and distance from (city)*	N, 2 NM from Ondangwa
3.	*Elevation/reference temperature*	3 599 FT / 38 ° C
4.	*Geoid undulation at AD Elevation PSN*	21 M
5.	*MAG VAR/annual change*	7° W (2023)/ 0.15° decreasing
6.	*Name of AD operator, address, telephone, telefax numbers, email address, AFS address and, if available, website address.*	Namibia Airports Company Limited P.O Box 2649 Ondangwa AD Tel: +264 65 240476 Fax: +264 65 240534 AFS: FYOAYDYX
7.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8.	*Remarks*	Public aerodrome Designated point of entry/exit

FYOA AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	MON & WED: 0530 – 1500 TUE, THU, FRI & SUN: 0530 – 1600; SAT: CLSD
2.	*Customs and immigration*	MON-FRI: 0600 - 1500
3.	*Health and sanitation*	HS
4.	*AIS briefing office*	NIL
5.	*ATS reporting office (ARO)*	NIL
6.	*MET briefing office*	SUN-FRI: 0600 – 1500 SAT: CLSD
7.	*ATS*	As AD Administration
8.	*Fuelling*	As AD Administration
9.	*Handling*	NIL
10.	*Security*	H24
11.	*De-icing*	NIL
12.	*Remarks*	**Customs Contact Details** Service Available on request during SAT & SUN at the following contact details: Tel: +264 65 22 9600 Mobile: +264 85 127 1999 / +264 81 208 5616 **Immigration contact details:** Tel: +264 65 241669 Cell: +264 81 2501397 / + 264 81 3067996 **AIS contact details**: Tel: +264 61 702080/1/3 Fax: +264 61 702088 Note: Briefing office only available in Windhoek **Meteorological Services contact details**: Tel: +264 65 240922 **Air Traffic Services contact details:** **ATC Tel:** +264 65 703190/1 **ATC Fax:** +264 65 703199 **AFS:** FYOAZTZX **Puma (Refuelling)** Public holidays, after Hours and Weekends: On Request contact details Mobile: +264 81 129 3014/+264 81 259 4707 Tel: +264 65 241465 Fax: +264 65 241465

FYOA AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	NIL
2.	*Fuel/oil types*	AVGAS, Jet-A1
3.	*Fuelling facilities/capacity*	Jet A1 Bowser/5 000 litres Jet A1 Tanks/56 000 litres AVGAS Tank/23 000 litres
4.	*De-icing facilities*	NIL
5.	*Hangar space for visiting aircraft*	NIL
6.	*Repair facilities for visiting aircraft*	NIL
7.	*Remarks*	NIL

FYOA AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town
2.	*Restaurants*	On AD
3.	*Transportation*	Taxi and car rental
4.	*Medical facilities*	NIL
5.	*Bank and post office*	NIL
6.	*Tourist office*	NIL
7.	*Remarks*	**Car rental:** Avis Rent a Car: +264 65 241281/ +264 81 562 3112 Bidvest Car Rental: +264 81 124 8262 Europe Car Hire: +264 65 240 261/+264 81 142 4091 Hertz Rent a Car: +264 81 159 6332 Profile Car Hire: +264 81 289 1849/+264 81 149 9773

FYOA AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 5
2.	*Rescue equipment*	18 700 Litres of water 2 250 litres Foam 385 kg DCP
3.	*Capability for removal of disabled aircraft*	When an aircraft is disabled on a runway, it is the duty of the owner or user of such aircraft to remove it as soon as possible. If a disabled aircraft is not removed within the timelines set by the AD operator, the aircraft will be removed by the AD operator at the expense of the owner or user.
4.	*Remarks*	NIL

FYOA AD 2.7 SEASONAL AVAILABILITY - CLEARING

1.	*Types of clearing equipment*	NIL
2.	*Clearance priorities*	NIL
3.	*Remarks*	NIL

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

1.	*Apron surface and strength*	Apron A: Asphalt Strength: 12/F/D/Y/U Apron B Concrete Strength: NIL
2.	*Taxiway width, surface and strength*	TWY: Bravo and Charlie Width: 15 M Surface: Asphalt Strength: 12/F/D/Y/U
3.	*ACL location and elevation*	NIL
4.	*VOR checkpoints*	175243S 0155653E
5.	*INS checkpoints*	NIL
6.	*Remarks*	NIL

FYOA AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	NIL
2.	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, Centreline, aiming points, RWY End, Turn pad marking, Displacement markings RWY LGT: Turn pad lights, wing bar lights, edge lights and runway end lights TWY: Centre line, holding positions at all TWY intersections TWY LGT: NIL
3.	*Stop bars*	NIL
4.	*Other runway protection measures*	NIL
5.	*Remarks*	NIL

FYOA AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	***OBST Type***	***OBST position***	***ELEV / HGT (FT/M)***	***Markings/Type, Colour, Lighting (LGT)***	***Remarks***
A	***B***	***C***	***D***	***E***	***F***
OLD ATC TOWER	TOWER	175256.8S0155647.9E	1109m	LGT	NIL
NAVI AIDS	AIRPORT ROTATING BEACON	175256.8S 0155647.9E	1107m	LGT	Nil
FIRE STATION	FIRE STATION	175258.6S0155647.0E	1104m	Nil	Nil
MET STATION	EQUIPMENT	175256.7S0155648.9E	1106m	Nil	Nil
VOR MONITOR	Nav Aid	175242.9S0155652.9E	1102m	Marked/LGT	Nil
CVOR	DME RED LIGHT	175243.3S0155653.0E	1105m	LGT	Nil
WINDSOCK 08(Apron)	WINDSOCK	175302.3S0155632.9E	1104m	Marked/LGT	Nil
WINDSOCK 26	WINDSOCK	175237.0S0155712.5E	1103m	Marked/LGT	Nil
POWER COM TOWER	TOWER	175435.5S0155806.0E	1155m	Marked/LGT	Nil
TELECOM TOWER	TOWER	175424.6S0155813.6E	1152m	Marked/LGT	Nil

In Area 3					
OBST ID/ Designation	***OBST Type***	***OBST position***	***ELEV / HGT***	***Markings/Type, Colour***	***Remarks***
A	***B***	***C***	***D***	***E***	***F***
NIL					

FYOA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Windhoek
2.	*Hours of service* *MET office outside hours*	Windhoek
3.	*Office responsible for TAF preparation* *Periods of validity*	MON – FRI: 0530 - 1500 SAT: NIL service SUN: 0530 – 1500
4.	*Type of landing forecast* *Interval of issuance*	HKIA Short TAF – 3HR Long TAF – 6 HR
5.	*Briefing/consultation provided*	TREND Every hour
6.	*Flight documentation* *Language(s) used*	P, T NIL
7.	*Charts and other information available for briefing or consultation*	PL, TB English
8.	*Supplementary equipment available for providing information*	S3, U85, U7, U5, U2, P5
9.	*ATS units provided with information*	NIL supplementary equipment
10.	*Additional information (limitation of service, etc.)*	Windhoek FIC

FYOA AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCN) 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	065°32' 51"	2824 x 45	48/F/B/X/T Asphalt	175259.75S 0155628.40E NIL 21 M	3599 FT
26	245°32' 51"	2824 x 45	48/F/B/X/T Asphalt	175221.73S 0155755.73E 175301.93S 0155623.37E 21 M	3599 FT

Designations RWY NR	*Slope of RWY-SWY*	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*Dimensions of runway end safety areas**(M)***
1	7	8	9	10	11
08	.005%	NIL	NIL	2944 x 150	240 x 90
26	.005%	NIL	NIL	2944 x 150	240 x 90
Designations RWY NR	*Location and description of arresting system*	*OFZ*	*Remarks*		
1	12	13	14		
08	NIL	NIL	NIL		
26	NIL	NIL	NIL		

FYOA AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**
08	2986	2986	2986	2824	PERM DTHR by 162M
26	2986	2986	2986	2986	NIL

FYOA AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT)PAPI*	*TDZ, LGT, LEN*	*RWY CL LGT LEN, spacing, colour INTST*
1	2	3	4	5	6
08	NIL	Bi-directional high intensity - Green	PAPI A 2° , 30 min PAPI B 2° , 50 min PAPI C 3° , 10 min PAPI D 3° , 30 min	NIL	NIL
26	NIL	Bi-directional high intensity - Green	PAPI A 2° , 30 min PAPI B 2° , 50 min PAPI C 3° , 10 min PAPI D 3° , 30 min	NIL	NIL

RWY Designator	*RWY edge LGT LEN spacing colour INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	7	8	9	10
08	Bi-directional high INTST 60M, white/LIH	Bi-directional high intensity - Green	NIL	NIL
26	Bi-directional high INTST 60M, white/LIH	Bi-directional high intensity - Green	NIL	NIL

FYOA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	*ABN/IBN location, characteristics and hours of operation*	ABN: At TWR, ABN flashes green and white, HS
2.	*LDI location and LGT anemometer location and LGT*	NIL
3.	*TWY edge lights, centre line lights and stop bars (if any)*	NIL
4.	*Secondary power supply/switch-over time*	Generator / 14 seconds
5.	*Remarks*	NIL

FYOA AD 2.16 HELICOPTER LANDING AREA

NIL information AVBL

FYOA AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Ondangwa CTR: Lateral limits 174638.49S 0154543.70E - 174028.05S 0155954.91E - clockwise along the arc of a circle, radius 12NM, centred at 175221.81S 0155755.55E - 175844.36S 0160836.27E - 180455.53S 0155423.66E - clockwise along the arc of a circle, radius 12NM, centred at 175301.85S 0155623.56E, to point of origin
2.	*Vertical limits*	SFC to 5500 FT MSL
3.	*Airspace classification*	D
4.	*ATS unit call sign* *Language(s)*	Ondangwa Tower English
5.	*Transition altitude*	10 000 FT MSL
6.	*Remarks*	AD Control

FYOA AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	2	3	4	5
Tower	Ondangwa Tower	125.6 MHz	HS	Tower HOD, refer to AD 2.3

FYOA 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 (8°W/2019)	OAV	116,3 MHz CH110X	H24	175243S 0155653E	3627 FT	NIL
RNP APCH	N/A	1575.42MHz	H24	NIL	NIL	Transmitting antennas are satellite based

FYOA AD 2.20 LOCAL AERODROME REGULATIONS

1. Airport regulations

All pilots operating at Ondangwa aerodrome must wear a lime green reflective jacket depicting their airlines concerned on the rear of the jacket for safety reasons as well as easy identification.

No smoking is allowed on the airside.

No photography is allowed to be taken on the airside unless authorised by the Airport Manager.

2. Standard Taxi Route

- Pilots that are taxiing for departure on runway 08, may exit the apron via intersection Bravo to enter the runway to proceed west toward threshold 08.
- Pilots that are taxiing for departure on runway 26, may exit the apron via intersection Charlie to enter the runway to proceed east toward threshold 26.
- Pilots that have landed on runway 26 may proceed to intersection Bravo or Charlie to enter the apron.
- Pilots that have landed on runway 08 can exit the runway using intersections Bravo or Charlie to enter the apron.

3. Limitations on the use of the aerodrome

The maximum allowable taxing speed at Ondangwa Airport is 16 km/h due to inadequate radii of the taxiway-turning curve.

4. Unserviceable Areas on the Apron due to surface deterioration

FYOA has portions of the Apron that is unserviceable and is demarcated with reflective cones.

5. Parking Area for small aircraft (General Aviation)

General aviation aircraft shall be guided by Marshallers to the parking area for small aircraft.

6. Parking Area for Helicopters

A designated parking area for Helicopters has not been established. All pilots will park the helicopter on the apron as directed by ATC.

7. Apron – Taxing during winter conditions

Not applicable

8. School and training flights — technical test flights — use of runways

Not applicable

9. Helicopter traffic — limitation

NIL

10. Removal of disabled aircraft from the runway

When an aircraft is disabled on a runway, it is the duty of the owner or user of such aircraft to have it removed as soon as possible. If a disabled aircraft is not removed from the runway as quickly as possible by the owner or user, the aircraft will be removed by the aerodrome operator at the owner's or user's expense.

FYOA AD 2.21 NOISE ABATEMENT PROCEDURES

Nil procedures

FYOA AD 2.22 FLIGHT PROCEDURES

Radio Communication Failure (RCF)

a) Aircraft to join overhead the Aerodrome at 2000FT AGL

b) Observe and join the Aerodrome TFC

c) Make all turns to the left whenever possible

d) Land as soon as possible and report to the ATC

FYOA AD 2.23 ADDITIONAL INFORMATION

Nil Information

FYOA AD 2.24 CHARTS RELATED TO ONDANGWA

Aerodrome Chart – ICAO - RESERVED

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Instrument Approach Chart – ICAO - RESERVED

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Instrument Approach Chart – ICAO - RESERVED

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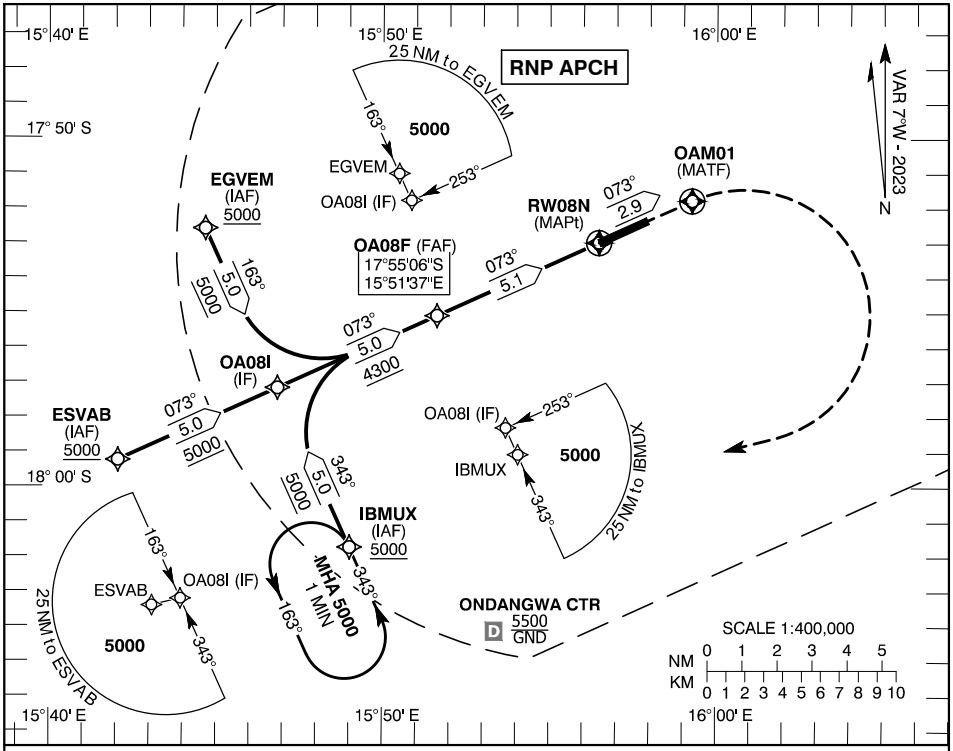
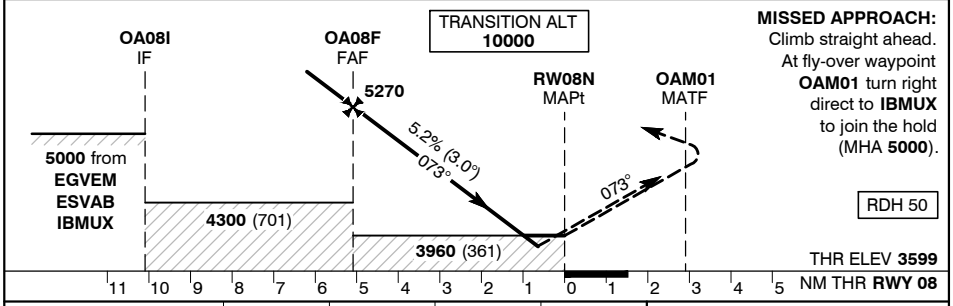
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **3599 FT**
HEIGHT RELATED TO
THR RWY - **08** ELEV - **3599 FT**

APP	125.60
TWR	125.60

Ondangwa (FYOA)
RNP RWY 08
MNM TEMP -5°C
MAX TEMP+53°C





MISSED APPROACH:
Climb straight ahead. At fly-over waypoint **OAM01** turn right direct to **IBMUX** to join the hold (MHA **5000**).

RDH 50

Aircraft CAT			A	B	C	D
OCA (H)	LNAV		**3960** (361)			
	LNAV/VNAV		**3850** (251)	**3850** (251)	**3860** (261)	**3870** (271)
Distance to THR		NM	5	4	3	2	1
Altitude		FT	**5240** (1641)	**4920** (1321)	**4605** (1006)	**4285** (686)	**3970** (371)
Ground Speed		KTS	80	100	120	140	160
Descent Rate (3.0°)		FT/MIN	425	530	635	745	850

CAUTION:
Procedure commences outside controlled airspace.

NOTE:
1. Track shortening inside IAF not permitted.

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

CHANGES: MAG VAR, MAX temp, TAA minimum, MAPt position, Bearings, LNAV/VNAV OCA, Initial & Intermediate MOCA, Initial WPT renamed.

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	IBMUX	18°01'44.9"S / 015°49'00.5"E	-	-	-	-	- / 5000	-	-	-
2	RNP APCH	TF	OA08I	17°57'10.6"S / 015°46'50.5"E	-	335.6 / 343	5.0	-	-	-	-	-
3	RNP APCH	TF	OA08F	17°55'06.3"S / 015°51'37.1"E	N	065.6 / 073	5.0	R	-	-	-	-
4	RNP APCH	TF	RW08N	17°52'59.7"S / 015°56'28.4"E	Y	065.6 / 073	5.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OAM01	17°51'47.2"S / 015°59'15.4"E	Y	065.6 / 073	-	-	-	-	-	-
6	RNP APCH	DF	IBMUX	18°01'44.9"S / 015°49'00.5"E	N	-	-	R	-	-	-	-

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	ESVAB	17°59'15.0"S / 015°42'03.8"E	-	-	-	-	- / 5000	-	-	-
2	RNP APCH	TF	OA08I	17°57'10.6"S / 015°46'50.5"E	-	065.6 / 073	5.0	-	-	-	-	-
3	RNP APCH	TF	OA08F	17°55'06.3"S / 015°51'37.1"E	N	065.6 / 073	5.0	-	-	-	-	-
4	RNP APCH	TF	RW08N	17°52'59.7"S / 015°56'28.4"E	Y	065.6 / 073	5.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OAM01	17°51'47.2"S / 015°59'15.4"E	Y	065.6 / 073	-	-	-	-	-	-
6	RNP APCH	DF	IBMUX	18°01'44.9"S / 015°49'00.5"E	N	-	-	R	-	-	-	-

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	EGVEM	17°52'36.3"S / 015°44'40.5"E	-	-	-	-	- / 5000	-	-	-
2	RNP APCH	TF	OA08I	17°57'10.6"S / 015°46'50.5"E	-	155.6 / 163	5.0	-	-	-	-	-
3	RNP APCH	TF	OA08F	17°55'06.3"S / 015°51'37.1"E	N	065.6 / 073	5.0	L	-	-	-	-
4	RNP APCH	TF	RW08N	17°52'59.7"S / 015°56'28.4"E	Y	065.6 / 073	5.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OAM01	17°51'47.2"S / 015°59'15.4"E	Y	065.6 / 073	-	-	-	-	-	-
6	RNP APCH	DF	IBMUX	18°01'44.9"S / 015°49'00.5"E	N	-	-	R	-	-	-	-

Hold Identification

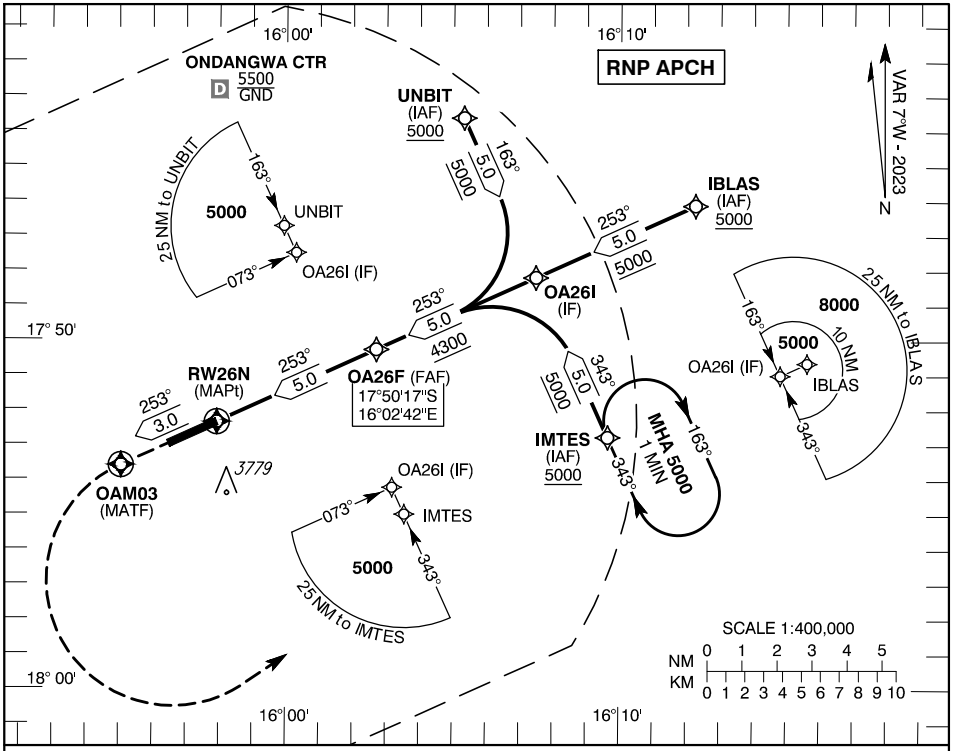
Holding Fix	Latitude (S) / Longitude (E)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
IBMUX	18°01'44.9"S / 015°49'00.5"E	335.6	343	250	5000	-	1	L

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **3599 FT**
HEIGHT RELATED TO
THR RWY - **26** ELEV - **3599 FT**

APP	125.60
TWR	125.60

Ondangwa (FYOA)
RNP RWY 26
MNM TEMP -5°C
MAX TEMP+53°C

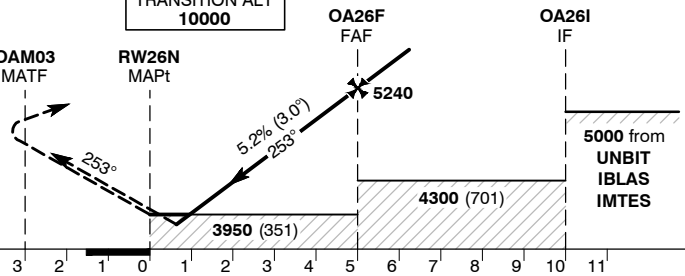


MISSED APPROACH:
Climb straight ahead. At fly-over waypoint **OAM03** turn left direct to **IMTES** to join the hold (MHA **5000**).

RDH 50

THR ELEV **3599**

TRANSITION ALT **10000**



Aircraft CAT		A	B	C	D
OCA (H)	LNAV	**3950** (351)			
	LNAV/VNAV	**3850** (251)	**3860** (261)	**3870** (271)	**3870** (271)

		1	2	3	4	5
Distance to THR	NM					
Altitude	FT	**3970** (371)	**4285** (686)	**4605** (1006)	**4925** (1326)	**5240** (1641)
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

CAUTION:
Procedure commences outside controlled airspace.

NOTE:
1. Track shortening inside IAF not permitted.

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

CHANGES: MAG VAR, MAX temp, TAA minimum, Bearings, LNAV & LNAV/VNAV OCA, All MOCAs, Initial WPT& MATF renamed.

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	UNBIT	17°43'38.5"S / 016°05'18.5"E	-	-	-	-	- / 5000	-	-	-
2	RNP APCH	TF	OA26I	17°48'12.8"S / 016°07'28.3"E	-	155.6 / 163	5.0	-	-	-	-	-
3	RNP APCH	TF	OA26F	17°50'17.3"S / 016°02'41.9"E	N	245.6 / 253	5.0	R	-	-	-	-
4	RNP APCH	TF	RW26N	17°52'21.7"S / 015°57'55.7"E	Y	245.6 / 253	5.0	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OAM03	17°53'36.5"S / 015°55'03.7"E	Y	245.6 / 253	-	-	-	-	-	-
6	RNP APCH	DF	IMTES	17°52'47.1"S / 016°09'38.2"E	N	-	-	L	-	-	-	-

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	IBLAS	17°46'08.3"S / 016°12'14.6"E	-	-	-	-	- / 5000	-	-	-
2	RNP APCH	TF	OA26I	17°48'12.8"S / 016°07'28.3"E	-	245.6 / 253	5.0	-	-	-	-	-
3	RNP APCH	TF	OA26F	17°50'17.3"S / 016°02'41.9"E	N	245.6 / 253	5.0	-	-	-	-	-
4	RNP APCH	TF	RW26N	17°52'21.7"S / 015°57'55.7"E	Y	245.6 / 253	5.0	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OAM03	17°53'36.5"S / 015°55'03.7"E	Y	245.6 / 253	-	-	-	-	-	-
6	RNP APCH	DF	IMTES	17°52'47.1"S / 016°09'38.2"E	N	-	-	L	-	-	-	-

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	IMTES	17°52'47.1"S / 016°09'38.2"E	-	-	-	-	- / 5000	-	-	-
2	RNP APCH	TF	OA26I	17°48'12.8"S / 016°07'28.3"E	-	335.6 / 343	5.0	-	-	-	-	-
3	RNP APCH	TF	OA26F	17°50'17.3"S / 016°02'41.9"E	N	245.6 / 253	5.0	L	-	-	-	-
4	RNP APCH	TF	RW26N	17°52'21.7"S / 015°57'55.7"E	Y	245.6 / 253	5.0	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OAM03	17°53'36.5"S / 015°55'03.7"E	Y	245.6 / 253	-	-	-	-	-	-
6	RNP APCH	DF	IMTES	17°52'47.1"S / 016°09'38.2"E	N	-	-	L	-	-	-	-

Hold Identification

Holding Fix	Latitude (S) / Longitude (E)	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
IMTES	17°52'47.1"S / 016°09'38.2"E	335.6	343	250	5000	-	1	R

GAD 2. AERODROMES

FYOG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYOG - Oranjemund International Airport

FYOG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	283505.3S 0162646.9E
2	*Direction and distance from (city)*	SSE 2 NM from Oranjemund
3	*Elevation/reference temperature*	13FT/ 25ºC
4	*Geoid undulation at AD ELEV PSN*	32M
5	*MAG VAR/annual change*	19ºW (2023) /2'W
6	*AD administration, address, telephone, telefax, telex, AFS*	De Beers Marine Namibia (pty) ltd. P.O. Box 23016 Windhoek Airport Manager Golden Siteketa Contact Details: APM Cell: +264 81 1433736 E-mail: golden.siteketa@debmarine.com Telex: NIL AFS: NIL www.debmarine.com
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	Public aerodrome, designated port of entry/exit.

FYOG AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0500-1430. SAT, SUN and public HOL: Closed
2	*Customs and Immigration*	O/R 2 HRS in advance during AD hours
3	*Health and sanitation*	As AD administration
4	*Aeronautical Information Service AIS) briefing office*	As AD administration
5	*ATS reporting office (ARO)*	As AD administration
6	*MET briefing office*	As AD administration
7	*ATS*	See AD 2.18
8	*Fuelling*	As AD administration
9	*Handling*	As AD administration
10	*Security*	24 HRS
11	*De-icing*	NIL
12	*Remarks*	24HR notification for after-hours operations and 2HR notification for MEDEVAC and mercy flight.

FYOG AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel/oil types*	Jet A1
3	*Fuelling facilities/capacity*	Refuel Cabinet, 80 000 litres, 50 litres/sec
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

FYOG AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In town
2	*Restaurants*	At AD and in town
3	*Transportation*	Car hire in town
4	*Medical facilities*	Medical aid at AD. Hospital in town
5	*Bank and post office*	In town
6	*Tourist office*	OMDIS, +264 63 234344
7	*Remarks*	NIL

FYOG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 5
2	*Rescue equipment*	6500 litres of water. Foam: AFFF 3% all-purpose foam, 1800 litres/NM @ 11Bar, range 25M. Powder: 250kg DCP, 100kg/NM range 9M. Additional 8000 litres water bowser and 50 000 litres of water reservoir.
3	*Capability for removal of disabled aircraft*	2 x Fetter Bags and 2 Hydraulic Jacks
4	*Remarks*	See AD 2.3, Part 12, and AD 2.20, Part 1, Sub-par 1.6 and for afterhours request

FYOG AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	NIL

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

1	*Apron designation, surface, and strength*	Apron Red Zone, Asphalt, PCN 15/F/B/W/T Apron General, Concrete, PCN 15/R/B/W/T
2	*Taxiway designation, width, surface and strength*	TWY A, 15 M, Asphalt, PCN 11/F/B/W/T TWY B, 15 M, Asphalt, PCN 11/F/B/W/T TWY C, 15 M, Asphalt, PCN 11/F/B/W/T TWY D, 18 M, Asphalt, PCN 11/F/B/W/T
3	*Altimeter checkpoint location and elevation*	Location: At Apron Elevation: 3.437M
4	*VHF omnidirectional radio range (VOR) checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	Restricted area, no ACFT allowed to park at northern side of the apron behind the yellow line.

FYOG AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	*Use of aircraft stand ID signs, TWY guidelines and visual docking/ parking guidance system of aircraft stands*	NIL Parking of ACFT as per ARFF Marshaller
2	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, Centreline, edge runway end as appropriately marked and RWY edge LGT TWY: Centreline, holding positions at all TWY/RWY intersections, marked, and TWY edge LGT
3	*Stop bars*	NIL
4	*Other runway protection measures*	NIL
5	*Remarks*	NIL

FYOG AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT (FT)*	*Markings / Type, Colour (LGT)*	*Remarks*
a	**b**	**c**	**d**	**e**	**f**
Telcom Tower	Mast	283327.67S 0162516.82E	262	Marked and LGTD	On Southern Edge of town.

In Area 3					
OBST ID/ Designation	*OBST Type*	*Obst position*	*ELEV/HGT (FT)*	*Markings/ Type, Colour, lighting, lighting (LGT)*	*Remarks*
a	***b***	***c***	***d***	***e***	***f***
Wind sensor 02	Equipment	283521.53S 0162642.18E	43	LGTD	NIL
Fire Station	Structure	283513.44S 0162640.60E	33	NIL	NIL
Hangar	Structure	283515.80S 0162638.88E	49	NIL	NIL

FYOG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated Met office*	Windhoek
2	*Hours of service* *MET office outside hours*	H24
3	*Office responsible for terminal aerodrome forecast (TAF) preparation* *Periods of validity*	Windhoek 9,18 HR Tel: +264 62 540327/ 540059
4	*Trend forecast Interval of issuance*	NIL
5	*Briefing/consultation provided*	ATIS 127.15MHz Tel: +264 63 237 704
6	*Flight documentation* *Language(s) used*	Charts, abbreviated plain language text English
7	*Charts and other information available for briefing or consultation*	NIL facilities
8	*Supplementary equipment available for providing information*	ATIS 127.15MHz Tel: +264 63 237 704
9	*ATS units provided with information*	NIL facilities
10	*Additional information (limitation of service, etc.)*	NIL

FYOG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification number (PCN) and surface of RWY and SWY*	*THR Coordinates RWY end coordinates THR geoid undulation*	*THR Elevation and highest elevation of TDZ of precision APPRWY*
1	**2**	**3**	**4**	**5**	**6**
02	0°26'20''	1600 x 30M	PCN 13/F/B/W/U Asphalt	283531.29S 0162646.67E 32 M/ 104.99 FT	13FT
20	180°26'20''	1600 x 30M	PCN 13/F/B/W/U Asphalt	283439.33S 0162647.12E 32 M/104.99 FT	13FT

Designations 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**
02	0.02%	NIL	NIL	1720 x 140	90 x 60 M
20	0.02%	NIL	NIL	1720 x 140	90 x 60 M

Designations RWY NR	*Location and description of engineering material arresting system (EMAS)*	*OFZ*	*Remarks*
1	**12**	**13**	**14**
02	NIL facilities	NIL	NIL
20	NIL facilities	NIL	NIL

FYOG AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**
02	1600	1600	1600	1600	NIL
20	1600	1600	1600	1600	NIL

FYOG AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT, LEN*	*RWY Centre line LGT length, spacing, colour, INTST*
1	**2**	**3**	**4**	**5**	**6**
02	NIL	Green	NIL	NIL	NIL
20	NIL	Green	PAPI LEFT/3º (14 FT)	NIL	NIL

RWY Designator	*RWY edge LGT LEN, spacing colour INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	**7**	**8**	**9**	**10**
02	1600M 60M White Last 600M Amber	Red	NIL	NIL
20	1600M 60M White Last 600M Amber	Red	NIL	

FYOG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics, and hours of operation*	NIL
2	*LDI location and LGT* *Anemometer location and LGT*	NIL
3	*TWY edge lights, centre line lights and stop bars (if any)*	Edge: Blue Centre Line: NIL
4	*Secondary power supply/switch-over time*	AVBL to all Airport facilities (Terminal Building, RWY LGT, TWY LGT and UPS) 15 Sec
5	*Remarks*	NIL

FYOG AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates touchdown and lift-off (TLOF) or THR of final approach and take-off (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

FYOG AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	NIL
2	*Vertical limits*	NIL
3	*Airspace classification*	G
4	*ATS unit call sign* *Language(s)*	NIL
5	*Transition altitude*	NIL
6	*Hours of applicability (or activation)*	NIL
7	*Remarks*	NIL

FYOG AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Cal sign*	*Frequency*	*Hours of Operation*	*Remarks*
1	**2**	**3**	**4**	**5**
ATIS	ATIS	127.15MHz	H24	Fully operational 50NM radius around the airport on this FREQ 127.15 MHz or TEL: +264 63 237 704
Traffic in FYOG circuit to follow TIBA procedures on FAAB frequency 118.7MHz.				

FYOG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, type of Supported OPS (for VOR/ILS/MLS, give declination)	*ID*	*Frequency*	*Hours of Operation*	*Position of transmitting antenna coordinates*	*Elevation of Distance Measuring Equipment (DME) transmitting antenna*	*Service volume radius from the GBAS reference point*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
RNP APCH	N/A	1575.42 MHz	H24	N/A	N/A		Transmitting antennas are satellite based

FYOG AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

1.1 **Hazard, Incident Accident**:

a) All safety hazards, incidents and accidents are to be reported to FYOG Fire Station Control Room at +264 81 145 4194 or +264 63 7762/3.

1.2 **Blasting Warning**

a) Pilots are warned to avoid flying below 1500 FT along the coast between Oranjemund AD and Chamais Bay where blasting may take place at irregular intervals.

b) Occasional blasting on the northern bank of the Orange River from FYOG aerodrome to Sendelings Drift, Aircraft to remain clear of area and do not overfly less than 1500 FT.

1.3 **Navigation Warning**

a) Low level helicopter operations outside ATA operate on 124.8 MHz. Doing ship service.

1.4 **Reflective Jackets**

a) All pilots and crew operating at FYOG must wear a lime green reflective jacket for safety reasons.

1.5 Overload Operations

a) Overloading of pavements can result either from loads too large, or from a substantially increased application rate, or both.

b) Loads larger than the defined (design or evaluation) load shortens the design life, whilst smaller loads extend it.

c) Occasional minor overloading is acceptable, when expedient, with only limited loss in pavement life expectancy and relatively small acceleration of pavement deterioration.

d) For operations in which magnitude of overload and/or the frequency of use do not justify a detailed analysis, the following criteria will be used:

   i. For flexible pavements, occasional movements by aircraft with ACN not exceeding 10 per cent above the reported PCN should not adversely affect the pavement.

   ii. For rigid or composite pavements, in which a rigid pavement layer provides a primary element of the structure, occasional movements by aircraft with ACN not exceeding 5 per cent above the reported PCN should not adversely affect the pavement.

   iii. If the pavement structure is unknown, the 5 per cent limitation should apply.

   iv. The annual number of overload movements should not exceed approximately 5 per cent of the total annual aircraft movements.

e) Such overload movements will not normally be permitted on pavements exhibiting signs of distress or failure.

f) Furthermore, overloading will be avoided during any periods of that following frost penetration, or when the strength of the pavement or its subgrade could be weakened by water.

g) Where overload operations are conducted, the Airport Manager will ensure that a review of the relevant pavement condition regularly and will review the criteria for overload operations periodically since excessive repetition of overloads can cause severe shortening of pavement life or require major rehabilitation of pavement.

h) Aircraft Operators intending to use aircraft with a high an ACN exceeding the published PCN must request for approval from the Airport Manager via email (See FYOG AD 2.2, Section 6).

1.6. **After Hours Operations**

a) Notify the Airport Manager (See FYOG AD 2.2, Section 6) 24HR in advance for after-hours operations and 2HR in advance for MEDEVAC and mercy flight via email and a message or call.

b) Provide the following information:

   i. Pilot in command

   ii. Type of aircraft

   iii. Call sign

   iv. Number of passengers on board

   v. Date and time of Arrival and Departure

   vi. Destination

   vii. Service required

c) Other details relevant to the evaluation of the request must be provided as required.

d) An after-hours application will be sent to the aircraft operator to complete and returned to the Airport Manager or a Designate Person, who after consultation with service providers at FYOG will approve or reject the request.

2. Taxiing to and from stands

2.1 Taking off on runway 02

a) Exit the apron via taxiway bravo to enter the runway to proceed to threshold 02.

2.2 Taking off on runway 20

a) Exit the apron via taxiway alpha to enter the runway to proceed east to threshold 20.

2.3 Landing on runway 02

a) Proceed to taxiway alpha or bravo to enter the apron.

2.4 Landing on runway 20.

a) Exit the runway using Taxiway bravo or Charlie to enter the apron.

3. Parking area for small aircraft.

(GENERAL AVIATION)

a) There are no designated stands for the parking of small aircraft, pilots are strictly requested to adhere to the marshalling signals from the Marshaller.

b) Restricted area (Redzone), no aircraft allowed to park at the northern side of the apron behind the yellow line.

4. Parking area for helicopters

a) Restricted area (Redzone), no aircraft allowed to park at the northern side of the apron behind the yellow line.

5. Apron - Taxiing during winter conditions

NIL.

6. Taxiing - Limitations

NIL.

7. School and training flights - Technical test flights - Use of runways

a) Training flights and technical test flights are necessary for the purpose of ascertaining the airworthiness of an aircraft during flight must take caution not to cause disruption or risk normal operations.

8. Helicopter traffic - Limitation

a) Low level helicopter operations outside ATA operate on 124.8 MHz. Doing ship service.

9. Removal of disabled aircraft from runways

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

b) An aircraft owner or operator must remove their aircraft within the following hours: 8 hours for light aircraft (MTOW of 7000 kg or less) and 24 hours for medium aircraft (MTOW of 7001 kg to 136 000 kg).

c) If a disabled aircraft is not removed within the specified hours, the airport operator (FYOG) will remove the disabled aircraft at the cost of the aircraft owner or operator and the airport operator (FYOG) will be indemnified of any damages caused when removing of the disabled aircraft.

FYOG AD 2.21 NOISE ABATEMENT PROCEDURES

Avoid flights over town

FYOG AD 2.22 FLIGHT PROCEDURES

a) Pilots are requested to avoid overflying the Ramsar Nature site from the Orange River mouth to the Border Bridge.

FYOG AD 2.23 ADDITIONAL INFORMATION

a) Sporadic large birds activities due to proximity to Riverine Ramsar site and Coastal Environment. Pilots to exercise caution.

FYOG AD 2.24 CHARTS RELATED TO ORANJEMUND

INTENTIONALLY LEFT BLANK

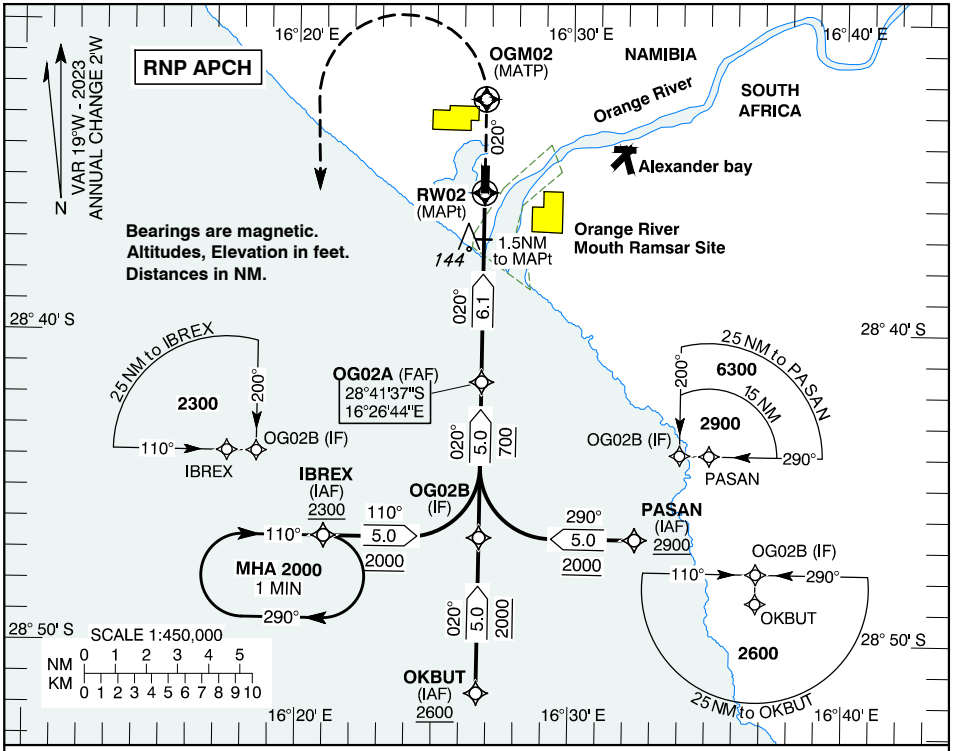
INSTRUMENT APPROACH CHART - ICAO

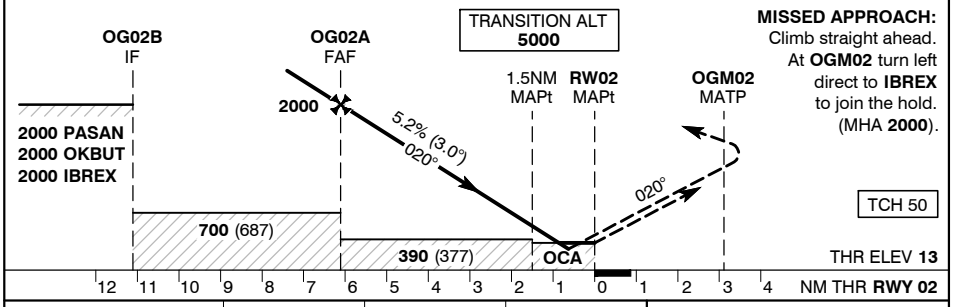
AERODROME ELEV - **13 FT**
HEIGHT RELATED TO
THR RWY - **02** ELEV - **13 FT**

UNM	118.70
ATIS	127.15

Oranjemund (FYOG)
RNP RWY 02

MNM TEMP -10°C
MAX TEMP+60°C





MISSED APPROACH:
Climb straight ahead.
At **OGM02** turn left direct to **IBREX** to join the hold.
(MHA **2000**).

Aircraft CAT			A		B		C	
OCA (H)	LNAV		**340** (327)					
	LNAV/VNAV		**270** (257)		**270** (257)		**280** (267)	
Circling (Heights AAL)			**640** (627)		**740** (727)		**960** (947)	
Distance to MAPt		NM	6	5	4	3	2	1
Altitude		FT	**1975** (1962)	**1655** (1642)	**1335** (1322)	**1015** (1002)	**700** (687)	**380** (367)
Ground Speed		KTS	80	100	120	140	160	
Descent Rate (3.0°)		FT/MIN	425	530	635	745	850	

CAUTION:
1. Sporadic large bird's activities.
2. Avoid overflying the Ramsar Nature Site between the Oranje River Mouth and the Border Bridge.

NOTE:
1. Only attempt LNAV/VNAV app. once QNH is received from ATIS.

COMMUNICATION FAILURE PROCEDURE:
Squawk 7600. Follow the Missed Approach Procedure to IBREX. Enter the Hold at IBREX. Hold for 5 mins, then complete the Approach.A

CHANGES: New procedure.

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	PASAN	284640.17S / 0163222.74E	-	-	-	-	- / 2900	-	-	-
2	RNP APCH	TF	OG02B	284638.19S / 0162641.35"E	N	270.4 / 290	5.0	-	- / 2000	-	-	-
3	RNP APCH	TF	OG02A	284137.41S / 0162643.73E	N	000.4 / 020	5.0	R	- / 700	-	-	-
4	RNP APCH	TF	RW02	283531.29S / 0162646.67E	Y	000.4 / 020	6.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OGM02	283230.83S / 0162648.11E	Y	000.4 / 020	-	-	-	-	-	-
6	RNP APCH	DF	IBREX	284635.97S / 0162059.97E	N	-	-	L	- / 2000	-	-	-

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	OKBUT	285138.96S / 0162638.96E	-	-	-	-	- / 2600	-	-	-
2	RNP APCH	TF	OG02B	284638.19S / 0162641.35E	N	000.4 / 020	5.0	-	- / 2000	-	-	-
3	RNP APCH	TF	OG02A	284137.41S / 0162643.73E	N	000.4 / 020	5.0	-	- / 700	-	-	-
4	RNP APCH	TF	RW02	283531.29S / 0162646.67E	Y	000.4 / 020	6.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OGM02	283230.83S / 0162648.11E	Y	000.4 / 020	-	-	-	-	-	-
6	RNP APCH	DF	IBREX	284635.97S / 0162059.97E	N	-	-	L	- / 2000	-	-	-

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	IBREX	284635.97S / 0162059.97E	-	-	-	-	- / 2300	-	-	-
2	RNP APCH	TF	OG02B	284638.19S / 0162641.35E	N	090.4 / 110	5.0	-	- / 2000	-	-	-
3	RNP APCH	TF	OG02A	284137.41S / 0162643.73E	N	000.4 / 020	5.0	L	- / 700	-	-	-
4	RNP APCH	TF	RW02	283531.29S / 0162646.67E	Y	000.4 / 020	6.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OGM02	283230.83S / 0162648.11E	Y	000.4 / 020	-	-	-	-	-	-
6	RNP APCH	DF	IBREX	284635.97S / 0162059.97E	N	-	-	L	- / 2000	-	-	-

Hold Identification

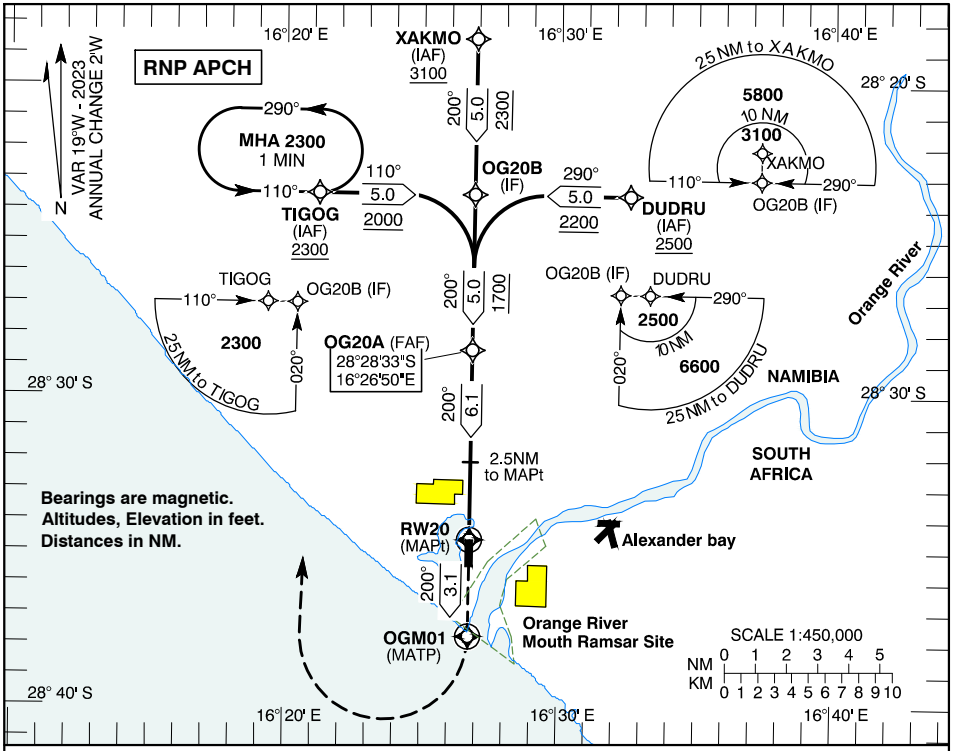
Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
IBREX	284635.97S / 0162059.97E	090.5	110	-	2000	-	1	R

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **13 FT**
HEIGHT RELATED TO
THR RWY - **20** ELEV - **13 FT**

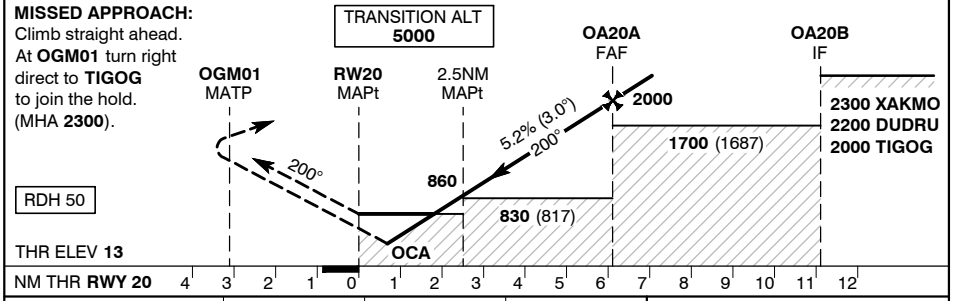
UNM	118.70
ATIS	127.15

Oranjemund (FYOG)
RNP RWY 20
MNM TEMP -10°C
MAX TEMP+60°



MISSED APPROACH:
Climb straight ahead.
At **OGM01** turn right direct to **TIGOG** to join the hold. (MHA **2300**).

TRANSITION ALT **5000**



Aircraft CAT		A	B	C
OCA (H)	LNAV	**640** (627)		
	LNAV/VNAV	**290** (277)	**300** (287)	**310** (297)
Circling (Heights AAL)		**640** (627)	**740** (727)	**960** (947)

Distance to MAPt	NM	2	3	4	5	6
Altitude	FT	**700** (687)	**1020** (1007)	**1335** (1322)	**1655** (1642)	**1975** (1962)
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

CAUTION:
1. Sporadic large bird's activities.
2. Avoid overflying the Ramsar Nature Site between the Oranje River Mouth and the Border Bridge.

NOTE:
1. Only attempt LNAV/VNAV app. once QNH is received from ATIS.

COMMUNICATION FAILURE PROCEDURE:
Squawk 7600. Follow the Missed Approach Procedure to TIGOG. Enter the Hold at TIGOG. Hold for 5 mins, then complete the Approach.

CHANGES: New procedure.

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	TIGOG	282330.24S / 0162112.28E	-	-	-	-	- / 2300	-	-	-
2	RNP APCH	TF	OG20B	282332.45S / 0162652.42E	N	090.4 / 110	5.0	-	- / 2000	-	-	-
3	RNP APCH	TF	OG20A	282833.24S / 0162650.04E	N	180.4 / 200	5.0	R	- / 1700	-	-	-
4	RNP APCH	TF	RW20	283439.33S / 0162647.12E	Y	180.4 / 200	6.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OGM01	283745.81S / 016245.62"E	Y	180.4 / 200	-	-	-	-	-	-
6	RNP APCH	DF	TIGOG	282330.24S / 016212.28"E	N	-	-	R	- / 2300	-	-	-

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	XAKMO	281831.66S / 016254.79"E	-	-	-	-	- / 3100	-	-	-
2	RNP APCH	TF	OG20B	282332.45S / 0162652.42E	N	180.4 / 200	5.0	-	- / 2300	-	-	-
3	RNP APCH	TF	OG20A	282833.24S / 0162650.04E	N	180.4 / 200	5.0	-	- / 1700	-	-	-
4	RNP APCH	TF	RW20	283439.33S / 0162647.12E	Y	180.4 / 200	6.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OGM01	283745.81S / 0162645.62E	Y	180.4 / 200	-	-	-	-	-	-
6	RNP APCH	DF	TIGOG	282330.24S / 0162112.28E	N	-	-	R	- / 2300	-	-	-

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	DUDRU	282334.44S / 0163232.56E	-	-	-	-	- / 2500	-	-	-
2	RNP APCH	TF	OG20B	282332.45S / 0162652.42E	N	270.4 / 290	5.0	-	- / 2200	-	-	-
3	RNP APCH	TF	OG20A	282833.24S / 0162650.04E	N	180.4 / 200	5.0	L	- / 1700	-	-	-
4	RNP APCH	TF	RW20	283439.33S / 0162647.12E	Y	180.4 / 200	6.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	OGM01	283745.81S / 0162645.62E	Y	180.4 / 200	-	-	-	-	-	-
6	RNP APCH	DF	TIGOG	282330.24S / 0162112.28E	N	-	-	R	- / 2300	-	-	-

Hold Identification – AD 2-11

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
TIGOG	282330.24S / 0162112.28E	090.5	110	-	2300	-	1	L

AD 2. AERODROMES

FYRU AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYRU - Rundu Aerodrome

FYRU AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP co-ordinates and site at AD*	175722S 0194314E
2.	*Direction and distance from (city)*	SW 5 NM from Rundu
3.	*Elevation/reference temperature*	3 627 FT/1 105 M
4.	*MAG VAR/annual change*	7° W (2016) / 0.10º decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	Namibia Airports Company Limited P.O.Box 2307 Walvis Bay Namibia AD Tel +264 66 255462 Fax +264 66 255463 Controlling AD Tel: +264 64 271100 Telefax: +264 64 200164 E-mail: sinvulab@airports.com.na Telex: Nil info available AFS: Nil
6.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7.	*Remarks*	Public aerodrome, designated port of entry/exit

FYRU AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	MON-FRI: 0600-1500 SAT: CLOSED SUN: 0600-1500
2.	*Customs and immigration*	Customs and excise: +264 66 2650090/10/11 Immigration: +264 66 255356
3.	*Health and sanitation*	Nil facilities
4.	*AIS briefing office*	Nil facilities
5.	*ATS reporting office (ARO)*	Nil facilities
6.	*MET briefing office*	Nil facilities
7.	*ATS*	Nil facilities
8.	*Fuelling*	Service available sunrise to sunset or 'PN', Cell: +264811246878 /+264811243898 /+264 81 1508604
9.	*Handling*	Nil facilities
10.	*Security*	Nil facilities
11.	*De-icing*	Nil facilities
12.	*Remarks*	Except in the case of emergency flights, 24HR notification is required for Saturdays and after-hours operations.

FYRU AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil facilities
2.	*Fuel/oil types*	AVGAS and JET A1
3.	*Fuelling facilities/capacity*	JET A1 hydrant and AVGAS hydrant
4.	*De-icing facilities*	Nil facilities
5.	*Hangar space for visiting aircraft*	Consult AD Supervisor
6.	*Repair facilities for visiting aircraft*	Nil facilities
7.	*Remarks*	Nil

FYRU AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	Only lodges in town and vicinity (Rundu)
2.	*Restaurants*	In town
3.	*Transportation*	Nil services
4.	*Medical facilities*	Hospital in town
5.	*Bank and post office*	In town
6.	*Tourist office*	Nil facilities
7.	*Remarks*	Nil

FYRU AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 5
2.	*Rescue equipment*	1 vehicle, 9000 litres of water
3.	*Capability for removal of disabled aircraft*	NIL
4.	*Remarks*	Firefighting and Rescue Service HOD: Summer Mon-Fri: 0600-1500, Sat: NIL services, Sun: 0600-1100 Winter Mon-Fri: 0700-1600, Sat: NIL services, Sun: 0700-1200

FYRU AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil facilities available.

FYRU AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Concrete and Asphalt Strength: Nil info
2.	*Taxiway width, surface and strength*	Width: 23 M Surface: Asphalt Strength: Nil info
3.	*ACL location and elevation*	Nil info
4.	*VOR/INS checkpoints*	Nil facilities
5.	*Remarks*	Nil

FYRU AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil facilities
2.	*RWY and TWY markings and LGT*	RWY: THR, TDZ, centre line markings TWY: Centre line markings, holding position at all RWY/TWY intersections
3.	*Stop bars*	Nil
4.	*Remarks*	Nil

FYRU AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			In circling areas and at AD		Remarks
1			2		3
RWY/Area affected	Obstacle Type Elevation Markings/ LGT	Co-ordinates	Obstacle type Elevation Markings/ LGT	Co-ordinates	
a	b	c	a	b	
			NBC Tower Elevation: 3771 FT Height: 212 M AGL/696 FT Top of mast: 4467 FT	180230.9S 0193728.9E	NBC Tower is 7.5NM South West from AD

FYRU AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Nil facilities
2.	*Hours of service* *MET office outside hours*	Not applicable
3.	*Office responsible for TAF preparation* *Periods of validity*	Windhoek
4.	*Type of landing forecast* *Interval of issuance*	Not applicable
5.	*Briefing/consultation provided*	Not applicable
6.	*Flight documentation* *Language(s) used*	English
7.	*Charts and other information available for briefing or consultation*	Not applicable
8.	*Supplementary equipment available for providing information*	Not applicable
9.	*ATS units provided with information*	FYWH
10.	*Additional information (limitation of service, etc.)*	Nil

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	31.0	30.0	30.2	29.3	28.4	25.9	26.3	29.5	33.3	34.7	32.8	32.2
Min	18.8	18.4	17.6	14.9	9.8	6.1	6.0	8.7	13.4	17.7	18.4	18.5
Mean pressure for each month of the year at approximate the times of MAX and MIN temperatures in hPa												
Max	39.0	39.3	37.5	36.5	33.3	31.6	32.9	35.7	38.2	40.8	40.0	39.3
Min	9.5	11.5	6.4	7.0	-0.7	-2.8	-4.2	-0.5	3.4	8.5	8.1	12.0
Relative and absolute humidity at approximately the times of MAX (a) and MIN (b) temperatures												
Rel(a)	52	54	50	41	32	28	27	23	22	27	38	45
% (b)	84	88	86	81	74	73	70	58	46	50	68	77

FYRU AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (LCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR Elevation and Highest Elevation of TDZ of Precision APP RWY
1	2	3	4	5	6
08	071.82°	3054 x 30	LCN 63 Asphalt	175740.34S 0194215.80E GUND 17.5 M	3627 FT
26	251.82°	3054 x 30	LCN 63 Asphalt	175706.44S 0194403.69E GUND 17.5 M	3581 FT
18/36	Permanently Closed				

Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
Nil info available					Nil

FYRU AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	3354	3354	3354	3354	Nil
26	3354	3354	3354	3054	Displaced THR of 300M
18/36	Permanently Closed				

FYRU AD 2.14 APPROACH AND RUNWAY LIGHTING

NIL facilities available.

FYRU AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

NIL facilities available.

FYRU AD 2.16 HELICOPTER LANDING AREA

NIL facilities available.

FYRU AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	NIL
2.	*Vertical limits*	NIL
3.	*Airspace classification*	NIL
4.	*ATS unit call sign* *Language(s)*	NIL
5.	*Transition altitude*	NIL
6.	*Remarks*	NIL

FYRU AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
Unmanned	Rundu Traffic	124.8 MHz	HJ	NIL

FYRU 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**
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FYRU AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Aerodrome regulations

All pilots operating at Rundu aerodrome must wear a lime green reflective jacket depicting their airlines concerned on the rear of the jacket for safety reasons as well as easy identification.

2. Taxiing to and from stands

NIL procedures.

3. Parking area for small aircraft (general aviation)

ACFT must adhere to RWY's and TWY's and park in the parking area.

4. Parking area for helicopters

On apron.

5. Apron - Taxiing during winter conditions

NIL

6. Taxiing - Limitations

NIL limits.

7. School and training flights - Technical test flights - Use of runways

NIL training.

8. Helicopter traffic - Limitation

NIL limits.

9. Removal of disabled aircraft from runways

NIL facilities.

FYRU AD 2.21 NOISE ABATEMENT PROCEDURES

NIL procedures.

FYRU AD 2.22 FLIGHT PROCEDURES

NIL procedures.

FYRU AD 2.23 ADDITIONAL INFORMATION

THR RWY 26 Permanently displaced to 300M West of Eastern extremity of Asphalted pavement. New RWY dimension is 3054M by 30M.

FYRU AD 2.24 CHARTS RELATED TO RUNDU

NIL

AD 2. AIRPORTS

FYSA AD 2.1 AIRPORT LOCATION INDICATOR AND NAME

FYSA – Skorpion Mine Aerodrome

FYSA AD 2.2 AIRPORT GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP co-ordinates and site at AD*	S275233,632 E0163851,802 Mid point of RWY17/35
2.	*Direction and distance from (city)*	8.04NM North West
3.	*Elevation/reference temperature*	570M
4.	*MAG VAR/annual change*	18°W (2016)/ 0.02° decreasing
5.	*AD administration, address, telephone, telefax, telex, AFS*	Skorpion Zinc (PVT)Ltd Private Bag 2003 Rosh Pinah Tel: +264 63 271 2100 Telefax: +264 63 271 2526 Telex: Nil AFS: Nil
6.	*Types of traffic permitted (IFR/VFR)*	VFR
7.	*Remarks*	Aerodrome situated within desert, dust abound during windy days, non instrument runway, daylight operations only. 24 Hours PN required.

FYSA AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	HJ
2.	*Customs and immigration*	HJ
3.	*Health and sanitation*	Nil
4.	*AIS briefing office*	Nil
5.	*ATS reporting office (ARO)*	Nil
6.	*MET briefing office*	Nil
7.	*ATS*	Nil
8.	*Fueling*	See NOTAM
9.	*Handling*	Nil
10.	*Security*	Nil
11.	*De-icing*	Nil
12.	*Remarks*	Nil

FYSA AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Nil
2.	*Fuel/oil types*	JET-A1 available from November 2001
3.	*Fueling facilities/capacity*	One fuel tank , electrical driven Capacity: 23000 litres
4.	*De-icing facilities*	Nil
5.	*Hangar space for visiting aircraft*	Nil
6.	*Repair facilities for visiting aircraft*	Nil
7.	*Remarks*	Nil

FYSA AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	Nil
2.	*Hotels*	Nil
3.	*Restaurants*	Nil
4.	*Transportation*	By arrangement
5.	*Medical facilities*	Nil
6.	*Bank and post office*	Nil
7.	*Tourist office*	Nil
8.	*Remarks*	Nil

FYSA AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 1
2.	*Rescue equipment*	Nil
3.	*Capability for removal of disabled aircraft*	Nil
4.	*Remarks*	Rescue and fire fighting vehicle situated at mine site. Pilot to contact on duty personnel to make arrangement for protection. Tel: + 264 63 2712262/2911 Cell: +264 811 462610 FREQ: 109MHz

FYSA AD 2.7 SEASONAL AVAILABILITY - CLEARING

1.	*Types of clearing equipment*	Nil
2.	*Clearance priorities*	Nil
3.	*Remarks*	Available all season

FYSA AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron surface and strength*	Surface: Asphalt Strength: PCN 9/F/M/Y/T
2.	*Taxiway width, surface and strength*	Width: 12M Surface: Asphalt Strength: PCN/ 9 / F/M/Y/T
3.	*ACL location and elevation*	Location: On Apron Elevation: 574.7M
4.	*VOR/INS checkpoints*	Nil
5.	*Remarks*	Non instrument: visual approach aerodrome

FYSA AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	Nil
2.	*RWY and TWY markings and LGT*	RWY & TWY marked. No lighting
3.	*Stop bars*	Nil info available
4.	*Remarks*	Day light operations only

FYSA AD 2.10 AIRPORT OBSTACLES

Mountainous terrain: Pilots to exercise caution during approach procedure.

FYSA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

Nil

FYSA AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG BRG*	*Dimensions of RWY (M)*	*Strength (LCN) and surface of RWY and SWY*	*THR Co-ordinates*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	2	3	4	5	6
17	152°GEO 173°MAG	1750X18	PCN 9/F/M/Y/T	275208.463S 0163836.925E	
35	332°GEO 353°MAG	1750X18	PCN 9/F/M/Y/T	275258.801S 0163906.679E	

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	8	9	10	11	12
-0.620%	Nil	Nil	1810X60	Nil	Nil
+0.620%	Nil	Nil	1810X60	Nil	Nil

FYSA AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
17	1750	1750	1750	1750	Nil
35	1750	1750	1750	1750	Nil

FYSA AD 2.14 APPROACH AND RUNWAY LIGHTING

Nil

FYSA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

Blue edge reflector system for emergency night time use installed.

FYSA AD 2.16 HELICOPTER LANDING AREA

Nil

FYSA AD 2.17 ATS AIRSPACE

Nil

FYSA AD 2.18 ATS COMMUNICATION FACILITIES

Nil

FYSA AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Nil

FYSA AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

1.1 All flights except scheduled flights must inform mine management during office hours. 24 HR PN to arrival of the following:

(a) ACFT registration
(b) Persons on board including crew
(c) Date / Time of arrival
(d) Date / Time of departure

1.2 The contact person is Sarika Coleman at Tel: +264 63 2712386 or Fax: +264 63 2712526

FYSA AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

FYSA AD 2.22 FLIGHT PROCEDURES

Nil

FYSA AD 2.23 ADDITIONAL INFORMATION

Nil

FYSA AD 2.24 CHARTS RELATED TO FYSA

Nil

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AD 2. AERODROMES

FYSM AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYSM - Swakopmund Airport

FYSM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP coordinates and site at AD*	223930S 0143400E
2.	*Direction and distance from (city)*	ENE 2 NM from Swakopmund
3.	*Elevation/reference temperature*	170 FT
4.	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5.	*Magnetic (MAG) variation (VAR)/annual change*	13° W (2016)/ 0.12° decreasing
6.	*Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and, if available, website address*	Municipality of Swakopmund Engineering and Planning Department Aerodrome Administration P O Box 53 Swakopmund Namibia Tel: +264 64 410 4111 Swakopmund Municipal Aerodrome Office Tel: +264 64 410 4442 Cell: +264 81 150 4809 M U F Gaweseb Aerodrome Superintendent mgaweseb@swkmun.com.na
7.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8.	*Remarks*	Public aerodrome

FYSM AD 2.3 Operational Hours

1.	*Aerodrome operator*	MON-SUN: 0500 - 1700
2.	*Customs and immigration*	NIL facilities
3.	*Health and sanitation*	NIL facilities
4.	*Aeronautical Information Service (AIS) briefing office*	NIL service
5.	*ATS reporting office (ARO)*	NIL service
6.	*MET briefing office*	NIL facilities
7.	*ATS*	NIL service
8.	*Fuelling*	MON – FRI: 0600 – 1500 SAT: 0700 - 1500 SUN: 0700 - 1100
9.	*Handling*	As AD administration

10.	*Security*	H24
11.	*De-icing*	NIL
12.	*Remarks*	Except in the case of an emergency or with prior permission no aircraft may take off or land outside AD OPR HR within daylight OPR HR. Meteorology office based at Hosea Kutako International Airport Tel: +264 62 540 3327 Aeronautical Information Service (AIS) briefing office based at Windhoek Eros Airport Tel: +264 61 702 080/3/9.

FYSM AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	NIL facilities
2.	*Fuel/oil types*	JET A1+ AVGAS
3.	*Fuelling facilities/capacity*	Southern Energy Company P.O Box 1228 Walvis Bay Fuelling agent : Namibia Airfield Fuelling services Tel/Fax: +264 64 407 185 Refueler: Naftal Iita: +264 81 461 9461 Moses Ndondi: +264 81 769 0252 Standby cellphone: +264 81 150 2399 Controlling Office Tel: +264 64 203 951 +264 81 150 2489 Email: WalvisBay@sec.com.na 70 000 Litre AVGAS container unit 23 000 Litre Jet A1 tank
4.	*De-icing facilities*	NIL facilities
5.	*Hangar space for visiting aircraft*	O/R
6.	*Repair facilities for visiting aircraft*	Skycore Aviation P O Box 80855, Windhoek Swakop@skycore.com.na Swakopmund duty: +264 81 164 6818 Pieter Keil: +264 81 124 9578 Tel: +264 83 339 1000
7.	*Remarks*	NIL

FYSM AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	In town
2.	*Restaurants*	In town
3.	*Transportation*	Car hire
4.	*Medical facilities*	Hospital in town
5.	*Bank and post office*	In town
6.	*Tourist office*	In town
7.	*Remarks*	NIL

FYSM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

NIL facilities available.

FYSM AD 2.7 SEASONAL AVAILABILITY - CLEARING

NIL facilities available.

FYSM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron designation, surface and strength*	Paved
2.	*Taxiway designation, width, surface and strength*	TWY A, 17M
3.	*Altimeter checkpoint location and elevation*	NIL INFO
4.	*VHF omnidirectional radio range (VOR) checkpoints*	NIL facilities
5.	*INS checkpoints*	NIL INFO
6.	*Remarks*	NIL

FYSM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guidelines and visual docking/ parking guidance system of aircraft stands*	NIL facilities
2.	*RWY and TWY markings and LGT*	White reflector plates for night operation on RWY 24 only. White concrete plates on edges of RWY 17/35 only. RWY designation markings on all RWY. RWY guidance signs erected near TWY.
3.	*Stop bars*	NIL facilities
4.	*Other runway protection measures*	NIL
5.	*Remarks*	ACFT may not use TWY for take-off or landing. ACFT not permitted to use TWY FM Hangar Area to APN/THR RWY 17 for take-off or landing, all ACFT include microlight to use designated RWY for take-off and landing only.

FYSM AD 2.10 AERODROME OBSTACLES

In Approach/TKOF areas			***In circling areas and at AD***		***Remarks***
1			**2**		**3**
RWY/Area affected	*Obstacle Type Elevation Markings/ LGT*	*Co-ordinates*	*Obstacle type Elevation Markings/ LGT*	*Co-ordinates*	
a	**b**	**c**	**a**	**b**	
06 TKOF 24 APCH	Powerline Height: 43 FT AGL	-	0.6NM NE of THR RWY 24	NIL info	Telephone line 94 M from AD BDRY
	Light mast Height 98 FT	Approx. 1 NM north of AD	Two reservoirs Height 26 FT	SW of AD just outside AD boundary	
			One reservoir Height 60 FT	SW of AD just outside AD boundary	
			Microwave Tower 160FT	223600S 0144120E	8NM East of FYSM AD

FYSM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	NIL facilities
2.	*Hours of service* *MET office outside hours*	NIL facilities
3.	*Office responsible for terminal aerodrome forecast (TAF) preparation* *Periods of validity*	Windhoek MET office (Tel: +264 62 540 059)
4.	*Trend forecast* *Interval of issuance*	NIL facilities
5.	*Briefing/consultation provided*	NIL facilities
6.	*Flight documentation* *Language(s) used*	NIL facilities English
7.	*Charts and other information available for briefing or consultation*	NIL facilities
8.	*Supplementary equipment available for providing information*	NIL facilities
9.	*ATS units provided with information*	NIL facilities
10.	*Additional information (limitation of service, etc.)*	NIL

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	31.3	33.3	32.0	29.9	27.5	27.0	27.3	28.3	29.2	30.4	30.6
Min	15.0	15.4	16.5	15.2	13.6	11.8	10.5	9.6	9.7	10.7	12.2	13.2
Mean pressure for each month of the year at approximate the times of MAX and MIN temperatures in hPa												
Max	43.1	43.5	42.9	40.8	40.2	35.5	36.6	37.6	42.3	42.8	43.6	42.4
Min	10.3	9.4	8.5	5.1	3.2	1.4	1.1	1.6	2.9	3.9	4.8	8.5
Relative and absolute humidity at approximately the times of MAX (a) and MIN (b) temperatures												
Rel(a)	35	36	31	27	22	25	24	26	28	28	28	32
% (b)	83	84	74	65	54	53	54	63	74	78	78	83

FYSM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification number (PCN) and surface of RWY and SWY*	*THR coordinates RWY end coordinates THR geiod undulation*	*THR elevation and highest elevation of TDZ of precision APP RWY*
1	**2**	**3**	**4**	**5**	**6**
06	NIL INFO	1600 x 18	PCN 10 Sand	NIL INFO	NIL INFO
24	NIL INFO	1600 x 18	PCN 10 Sand	NIL INFO	NIL INFO
17	NIL INFO	963 x 24	PCN 10.5 Sand	NIL INFO	NIL INFO
35	NIL INFO	963 x 24	PCN 10.5 Sand	NIL INFO	NIL INFO

Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*	*Remarks*
7	**8**	**9**	**10**	**11**	**12**
NIL INFO	NIL INFO	NIL INFO	NIL INFO	NIL	Run up area established on TWY to RWY 24 and then on THR of RWY 17 and RWY 35

FYSM AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**
06	NIL INFO	1600	NIL INFO	NIL INFO	NIL
24	NIL INFO	1600	NIL INFO	NIL INFO	NIL
17	NIL INFO	963	NIL INFO	NIL INFO	NIL
35	NIL INFO	963	NIL INFO	NIL INFO	NIL

FYSM AD 2.14 APPROACH AND RUNWAY LIGHTING

Low intensity landing reflectors have been installed on RWY 06/24 only except for the green threshold and red end lights which are proper lights. Runway delineation markers are visible up to 3 KM from the runway threshold and will become brighter the closer the aircraft approaches the runway to land. Depending on visibility the green threshold and red end lights are visible at distances of 5 KM or greater.

FYSM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

NIL facilities available.

FYSM AD 2.16 HELICOPTER LANDING AREA

Helicopters to make use of the apron.

FYSM AD 2.17 ATS AIRSPACE

NIL ATS airspace

FYSM AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
TIBA	Swakopmund Traffic	126.3 MHZ	H24	Unmanned Aerodrome

FYSM AD 2.19 RADIO NAVIGATION AND LANDING AIDS

NIL facilities available

FYSM AD 2.20 LOCAL TRAFFIC REGULATIONS

Model flying taking place north of Swakopmund at the salt works at PSN 223653S 0143208E.

All aircraft including micro-lights are not allowed to make use of the TWY between hangars and airside for either landing or take-off.

All aircraft must complete the arrival and departure register AVBL at that airfield's office at the terminal building area before and after each flight.

FYSM AD 2.21 NOISE ABATEMENT PROCEDURES

1. Arriving and departing flights

The noise abatement procedures described hereunder are to **ensure minimized ACFT movements over the town limits and therefore minimizes noise pollution.**

NOTE: Not applicable to ACFT with radio communication failure.

1.1 No aircraft shall over-fly the town below 1000 FT AGL unless permission is granted by the town council or NCAA.

1.2 Departing and landing aircraft are encouraged to avoid overflying built up areas of Swakopmund and Rossmund at below 1000 FT AGL. Aircraft departing RWY 24 are not to commence R/H turn below 1000 FT AGL. Downwind at 1000 FT AGL.

1.3 Aircraft joining along the coast from the South shall remain over the ocean until ready to turn on to an extended right base leg for RWY 24.

1.4 Aircraft joining along the coast from the North shall remain over the ocean until past the river mouth before joining final for RWY 06 or left downwind for RWY 24.

1.5 Only right circuits shall apply for RWY 35.

1.6 Only left circuits shall apply for RWY 17.

1.7 Aircraft departing on RWY 24 for northbound flights shall maintain runway heading or until 1000 FT reaching the river mouth, before turning out to the right or alternatively turn out to the left.

FYSM AD 2.22 FLIGHT PROCEDURES

1. Communication Procedures for use in case of RCF and as unmanned Airfield procedures

1.1 TRAFFIC joining from the East

To follow along the Southern side of the Swakop river to the Swakop river mouth at 2000FT AGL. Then join right-hand downwind RWY 24 for normal landing. If RWY 06 is in use, fly past the town along the beachfront and join left downwind for RWY 06.

1.2 TRAFFIC joining from the North

If RWY 24 is in use fly along the beach front to the Swakop river mouth at 2000FT AGL and join right-hand downwind for RWY 24. When RWY 06 is in use join early left downwind for RWY 06 at 2000FT AGL and descend on the downwind for landing on RWY 06.

1.3 TRAFFIC joining from South

For RWY 24 join at the Swakop river mouth again at 2000FT AGL and then right-hand downwind RWY 24. For RWY 06, join at the Swakop river mouth at 2000FT AGL, thence along the beach front North bound around the town for a left downwind RWY 06.

1.4 GENERAL FLYING AREA

The FYSM GFA begins roughly 8 NM East of the Swakopmund Airfield and extends to 17 NM East. The Southern boundary is the B2 (tar road to Arandis). The Northern boundary is the Dolerite ridge that runs East to West. The Western edge is a tangent line from the traffic zone of FYSM to the radio mast near the B2 at MARET (VFR point). The Eastern side is the ridge line of the Rössing Mountain and continues NW to the Northernmost point.

2. Night landing procedures

NIL facilities.

FYSM AD 2.23 ADDITIONAL INFORMATION

1. Parachute Jumping

1.1 Parachute Jumping Exercises seven days a week and traffic are not to join overhead the aerodrome due to possible skydiving activities. The pilot in command of the dropping aircraft will advise all traffic of his intentions during unmanned periods (NIL ATC).

1.2 A permanent drop zone has been declared at Amphitheatre (224400S 0143400E) which is 4.5 NM south of Swakopmund 6000 FT AGL.

1.3 A permanent drop zone has been declared at Lunar Landscape (224000S 0144800E) which is 13 NM east of Swakopmund 6000 FT AGL.

1.4 A permanent drop zone has been declared at China Town (223350S 0143434E) 6 NM north of Swakopmund. DLY Skydiving activities taking place BTN sunrise and sunset. Parachute ACFT will operate on 126.3 MHz and 122.5MHz.

1.5 Arriving and departing aircraft to exercise caution.

2 Blasting

2.1 Blasting that occurs in the town and vicinity of Swakopmund to be published on the NOTAM.

FYSM AD 2.24 Charts related to Swakopmund

NIL charts available for Swakopmund Aerodrome.

1.3 A permanent drop zone has been declared at Lunar Landscape (224000S 0144800E) which is 13 NM east off Swakopmund. Parachute Jumping Exercises take place every weekend (Saturdays and Sundays). 6000 FT AGL/GND.

1.4 A permanent drop zone has been declared at China Town 223350S 0143434E 6NM north of Swakopmund. DLY Skydiving activities taking place DLY BTN SR and SS. Parachute ACFT will operate on 126.3MHZ and 122.5MHZ.

2. Blasting

Opencast mine south of the main road to Usakos. Blasting occurs from MON to FRI BTN 1200/1300 UTC.

FYSM AD 2.24 Charts related to Swakopmund

Nil charts available for Swakopmund Aerodrome.

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AD 2. AERODROMES

FYWB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYWB - Walvis Bay Airport

FYWB AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP co-ordinates and site at AD*	225848S 0143843E 07° / 1500 M from THR09
2.	*Direction and distance from (city)*	270° East, 8 NM from Walvis Bay
3.	*Elevation/reference temperature*	299 FT / 25°C
4.	*Geoid undulation at AD ELEV PSN*	98 FT
5.	*MAG VAR/annual change*	13° W (2020)/ 0.07° E
6.	*Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and, if available, website address*	Namibia Airports Company Limited Walvis Bay International Airport Walvis Bay Airport Manager Ms. Chrizelda George Contact Details Tel: +264 64 271 100 Telefax: +264 64 200 164 Cell: +264 81 163 5038 (during or after hours) Email : georgec@airports.com.na wvboperations@airports.com.na Website: www.airports.com.na ATC Tel: +264 64 702690/1 Fax: +264 64 702699 AFS: FYWBYDYX
7.	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8.	*Remarks*	NIL

FYWB AD 2.3 OPERATIONAL HOURS

1.	*AD Operator*	MON-FRI: 0700 – 1500 SAT, SUN & PUB HOL 0800-1500
2.	*Customs and immigration*	MON-SUN: 0800-1500
3.	*Health and sanitation*	Available within AD Hours. 2 HR PN to AD required
4.	*AIS briefing office*	NIL
5.	*ATS reporting office (ARO)*	As AD Administration
6.	*MET briefing office*	As AD Administration
7.	*ATS*	TWR: MON-FRI: 0700-1500 SAT/SUN/Public Holidays: 0800-1500 APP: MON-FRI: 0500-1700

8.	*Fuelling*	As AD Administration
9.	*Handling*	As AD Administration
10.	*Security*	24 HR
11.	*De-icing*	NIL
12.	*Remarks*	Outside AD HR, services are available O/R. Request to be submitted to the AD not later than 1100 UTC. NAMRA/Customs and Excise Contact Details Tel: +264 64 206 522 After Hour: +264 81 261 6596 Home Affairs: Immigration Contact Details Tel: +264 81 951 0254 After Hour: +264 81 389 8137 Aeronautical Information Services Contact Details (FYWE) Tel: +264 61 702 080/1/3 Fax: +264 61 702 088 Meteorological Services Contact Details Tel: +264 64 702 685 After Hour: +264 81 247 6225 Air Traffic Services Contact Details Tel: +264 64 702 2690/1 After Hour: +264 81 277 7918 and +264 81 308 1520 Port Health Tel: +264 64 216 354 After Hour: +264 81 490 2035

FYWB AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Hydraulic staircases, forklift 3 ton, air starter unit, 5 ton high loader, tractor, 5 ton scale, hangar parking, baggage trolleys cargo trailers, GPU, toilet services, vehicle (bakkie) & aircraft cleaning.
2.	*Fuel/oil types*	Jet A1 and AVGAS 100LL
3.	*Fuelling facilities/capacity*	1 x Jet A1 refuelling truck – 18 000 L 1 x Jet A1 refuelling truck – 11 000 L 1 x AVGAS refuelling truck – 3 000 L
4.	*De-icing facilities*	NIL
5.	*Hangar space for visiting aircraft*	Limited by prior arrangement only.
6.	*Repair facilities for visiting aircraft*	NIL
7.	*Remarks*	Handling services available within AD HR or by arrangement with the AD. Walvis Bay Airport Services (WBAS) Tel: +264 64 201 2180/ +264 64 204 878

		Telefax: +264 64 204 878 Mobile: +264 81 147 3186, +264 81 885 1427 and +264 81 247 0066 During and Afterhours Email: admin@wbas.com.na Southern Energy Company Walvis Bay Airport Tel: +264 64 203 951 Fuel Operator and Standby cell phone: +264 81 150 2489 Fuel Operator and Supervisor: +264 81 146 0650 Email Operator: WernerL@sec.com.na and WalvisBay@sec.com.na Administration Office Contact: Fax: +264 64 203 951 Tel: +264 81 150 2507 Email Administration: ClaudineL@sec.com.na

FYWB AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	Near the AD and in the city
2.	*Restaurants*	At AD and in the city
3.	*Transportation*	Taxis and car hire from the AD
4.	*Medical facilities*	First aid at AD. Hospital in the city
5.	*Bank and post office*	In the city
6.	*Tourist office*	Office in the city. Tel: Walvis Bay +264 64 207 444 Email: bookings@walvisbaytourism.com
7.	*Remarks*	AD website: www.airports.com.na

FYWB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	Within AD HR: CAT 6
2.	*Rescue equipment*	Standard firefighting equipment carried on all fire response vehicles in accordance with NAMCARs and ICAO requirements for Category 6 Airport. 1 x (Rescue 1) Rosenbauer Panther 6 x 6 fire fighting vehicle, 1 x Marce Rhino 6 x 6 fire fighting vehicle. Extinguishing medium excluding reserves 25000 litres of water, 3000 foam concentrate, 500 Dry Chemical Powder. Total foam solution discharge rate: R1: 9000 litres/minute and R2: 5000 litres/minute. Reserve extinguishing medium: 200% Aqueous film Forming Foam / water reservoir 760m^3 capacity and 6 fire hydrants.

3.	*Capability for removal of disabled aircraft*	Airport has limited equipment for light aircraft removal only. For the removal of medium to large aircraft, equipment may be sourced as per emergency management response plan when required. Aircraft operator obliged to remove disabled aircraft from manoeuvring area within agreed time frames. Removal of disabled aircraft is the responsibility of the airline or registered owner or aircraft operator.
4.	*Remarks*	Service Level Agreement with AWH Africa Rigging and Plant Rentals CC for the removal of disabled aircraft up to critical aircraft Embraer 190. Coordinator for Removal of Disabled Aircraft: C. Simasiku, Chief ARFF, Tel: +264 81 145 6847 Email: simasikuc@airports.com.na

FYWB AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	NIL

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

1.	*Apron designation, surface and strength*	Cargo Apron: Concrete,117/R/A/W/T Asphalt, 130/F/A/W/T Passenger Apron: Concrete, 19/R/B/W/U Asphalt, 19/F/B/W/U
2.	*Taxiway designation, width, surface and strength*	Alpha (A), 15 M, Asphalt, PCN 19/F/B/W/U Bravo (B), 25 M, Asphalt, PCN 130/F/A/W/T Charlie (C),15 M, Asphalt, PCN 19/F/B/W/U Delta (D), permanently closed Echo (E), permanently closed Foxtrot (F), 7 M, Gravel and Tared, PCN 19/F/B/W/U)
3.	*Altimeter checkpoint location and elevation*	Location: At Cargo Apron Elevation: 299 FT
4.	*VHF Omni-directional Radio Range (VOR) checkpoints*	TWY B Holding position: 225648.90S 0143821.65E TWY C Holding position: 225846.06S 0143831.15E Frequency: 113.6 MHz

5.	*INS checkpoints*	NIL
6.	*Remarks*	Refer to AD 2.20 Local Traffic Regulations 5. Taxi Limitations

FYWB AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	NIL facilities Parking of ACFT as per ARFF Marshaller
2.	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, centre line, edge runway end as appropriate, marked, and lighted. TWY: Centre Line
3.	*Stop bars*	Stop Bar on main intersection from main taxiway to cargo apron. Stop Bar on main intersection from RWY 27 to main taxiway. Stop Bar on main intersection from RWY 09 to main taxiway.
4.	*Other runway protection measures*	Guard Light is on the same line as the stop bar, on the side. Guard Light located on main intersection from main taxiway to cargo apron. Guard Light on main intersection from RWY 27 to main taxiway. Guard Light on main intersection from RWY 09 to main taxiway.
5.	*Remarks*	Refer to AD 2.20 Local Traffic Regulations 5. Taxi Limitations

FYWB AD 2.10 AERODROME OBSTACLES

In Area 1					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings / Type, Colour, Lighting (LGT)*	*Remarks*
a	**b**	**c**	**d**	**e**	**f**
Mountain	Mountain	225820.12S 0144017.71E	368FT	NIL	09/TKOF 27/APCH

In Area 2					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings / Type, Colour, Lighting (LGT)*	*Remarks*
a	**b**	**c**	**d**	**e**	**f**
ROOI RES	RESERVOIR	225850.47S 143937.36E	117/38 M	Marked	NIL
VOR WBV	NAV Aid	225855.59S 143840.48E	90/1 M	Marked/LGT	
ARB C	NAV Aid	225851.32S 143847.51E	95/3 M	Marked/LGT	NIL
GP Container	NAV Aid	225835.90S 143937.11E	95/3 M	Marked/LGT	NIL
GP27 Mon Pole	Glide Path 27	225834.77S 143940.80E	89/6 M	Marked/ LGT	NIL
MET Station Mid	NAV Aid	225855.70S 143828.48E	81/10 M	Marked	NIL
MET Station 09	NAV Aid	225904.17S 143800.02E	73/10 M	Marked	NIL
MET Station 27	NAV Aid	225835.94S 143935.09E	94/10 M	Marked	NIL
Wind Sensor OLD	NAV Aid	225852.38S 143844.81E	83/10 M	Marked	NIL
Wind Sensor 09	NAV Aid	225903.14S 143803.63E	74/3 M	Marked	NIL
Wind Sensor 27	NAV Aid	225835.94S 143935.09E	95/10 M	Marked	NIL
Wind Sensor 27_A	NAV Aid	225836.81S 143932.10E	97/3 M	Marked	NIL
LOC09 Monitor	NAV Aid	225904.18S 143748.75E	72/1 M	Marked/LGT	NIL
Sub27	NAV Aid	225837.06S 143937.51E	95/3 M	Marked	NIL
Military TWR_E	Pole	225852.31S 143920.76E	90/31 M	NIL	NIL
Military TWR_W	Pole	225850.35S 143922.62E	91/31 M	NIL	NIL
HI GRND2	TERRAIN	225830.51S 144035.10E	116/8 M	NIL	NIL

In Area 2					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings / Type, Colour, Lighting (LGT)*	*Remarks*
a	**b**	**c**	**d**	**e**	**f**
Windsock_ Mid	NAV Aid	225852.15S 143850.76E	85/8 M	Marked/LGT	NIL
Windsock27	NAV Aid	225834.42S 143945.00E	88/8 M	Marked	NIL

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, Marketing and Lighting

Windsock Designation	Latitude Longitude	Height (m)	Marked/ LGT
Windsock E: Abeam ATC	225852.02S 0143850.76E	92.551	Marked/ LGT
Windsock 27: Abeam THR	225834.43S 0143945.01E	96.201	Marked

FYWB AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCN) 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
09	071.58°	3 440 x 60	130/F/B/W/T Asphalt	225903.14S 0143752.23E GUND 29M 96.8 FT	THR 72 M/236 FT
27	251.58°	3 440 x 60	130/F/B/W/T Asphalt	225828.55S 0143947.08E GUND 29M 96.8 FT	THR 96M/315 FT

Designations 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
09	RWY – 0.87 % SWY - NIL	NIL	NIL	3 560 x 150	120 x 90
27	RWY – 0.60 % SWY - NIL	NIL	NIL	NIL INFO AVBL	120 x 90

Designations RWY NR	*Location and description of arresting system*	*OFZ*	*Remarks*
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

RWY Designator	*TORA (M)*	*TODA(M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
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

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT, LEN*	*RWY Centre line LGT length, spacing, colour, INTST*
1	2	3	4	5	6
09	900 M	Green	PAPI, Both/3° (30FT)	NIL	3390 M, 15 M, white middle and red end
27	900 M LIH	Green	PAPI, Both/3° (69FT)	875 M	3390 M, 15 M, white middle and red end

RWY Designator	*RWY edge LGT LEN, spacing colour INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
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.	*ABN/IBN location, characteristics, and hours of operation*	ABN: Abeam Centre RWY, FLG W G EV 2 SEC/ IBN: NIL
2.	*LDI location and LGT* *Anemometer location and LGT*	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.	*TWY edge lights, centre line lights and stop bars (if any)*	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*	2X 400 KVA Cummins power generator sets

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.

FYWB AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
Tower/APP	Walvis Bay Tower	122.5 MHz	TWR: MON-FRI: 0700 - 1500, SAT/SUN/Public Holidays: 0800-1500 APP: MON-FRI: 0500-1700	NIL
ATIS	Walvis Bay ATIS	127.0 MHz	H24	Fully operational 50NM radius around airport on this FREQ 127.0 MHz or TEL +264 81 3323509

FYWB 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 (13°W/2016)	WBV	113.6 MHz CH 83X	H24	225855.59S 0143840.48E	299 FT	NIL
RNP APCH	N/A	1575.42 MHz	H24	N/A	N/A	Transmitting antennas are satellite based

FYWB AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

1.1 Hazard, Incident and Accident Reporting

All safety hazards, incidents and accidents are to be reported to FYWB fire station control room at +264 64 271 123 or the Safety & Environmental Officer on duty at +264 64 271 102/127 or emailed to walvisbaysafety@airports.com.na.

1.2 High Ground on APCH RWY27

- Terrain on approach runway 27 mountain with red and white painted reservoir atop.
- High ground 1, terrain on approach runway 27, published in the AIP approach charts.

1.3 Circuit Altitude

- Turbine-powered aircraft 2000 FT ALT.
- Reciprocating engine-powered aircraft 1500 FT ALT.

1.4 Reflective Jackets

- All pilots and crew operating at Walvis Bay International Airport must wear a lime green reflective jacket depicting their airline name on the rear of the jacket for safety reasons as well as easy identification.

1.5 New Aircraft Operating at Walvis Bay International Airport

- Aircraft operators intending to operate an aircraft for the first time at Walvis Bay International Airport must apply in writing via email to georgec@airports.com.na the Airport Manager to complete the new Aircraft Application form. Pilots may only operate the new aircraft upon approval by the Airport Manager. This assessment will also include a comparison of the aircraft ACN against the Airport airside Pavement PCN.

1.6 Airport Fees Administration

1.6.1 After Hour Operations

Request for ad hoc extension to hours of operation.

Applicant must apply in writing at least 48 hours in advance to the Airport Manager, who after consultation with service providers will approve or reject the request. Application must be submitted to wvboperations@airports.com.na

1.6.2 Landing/Parking and Passenger fees

All unscheduled and charter flights are to effect payment directly to NAC upon arrival and before departure and not to any third parties, payment can be done at the Apron office located on the ground floor of the terminal building.

2. Taxiing to and from stands

Standard Taxi Routes (Aircraft)

a) Aircraft with outer main gear wheel span greater than > 6m make use of the following standard taxi routes:

- Aircraft which are about to take-off on runway 09, may exit the cargo apron via intersection Bravo, via Alpha 4 to enter the runway to proceed west to threshold 09.

- Aircraft which are about to take-off on runway 27, may exit the cargo apron via intersection Bravo, and Alpha 4 to enter the runway to proceed east to threshold 27.
- Aircraft landing on runway 27 may proceed to intersection Alpha 4 and then Bravo to enter the cargo apron.
- Aircraft landing on runway 09 can exit the runway using intersections Alpha 4 then Bravo to enter the cargo apron.

b) Aircraft with main gear wheel span less than > 6M make use of the following standard taxi routes:

- Aircraft which are about to take-off on runway 09, may exit the apron via intersection Bravo, via Alpha 4 or Alpha 5 to enter the runway to proceed west to threshold 09.
- Aircraft which are about to take-off on runway 27, may exit the apron via intersection Bravo, Alpha Taxiway, Alpha 1, 2, 3 or 4 to enter the runway to proceed east to threshold 27.
- Aircraft landing on runway 27 may proceed to intersection Alpha 4 and then Bravo to enter the cargo apron; or landing on runway 27 proceed to intersection Alpha 3 then Charlie to enter the passenger apron.
- Aircraft landing on runway 09 can exit the runway using intersections Alpha 4 then Bravo to enter the cargo apron, or Alpha 3 then Charlie onto passenger apron.

c) Standard taxiway designations are contained under Appendix 20 to the aerodrome manual.

d) Standard taxiway routes are presented as Appendix 21 in the aerodrome manual.

Note: Intersection TWY Delta and Echo located abeam the fuel farm, are permanently closed to traffic.

3. Parking area for small aircraft (general aviation)

General aviation aircraft shall be guided by marshallers to the parking area for small aircraft.

4. Parking area for helicopters

Once the helicopter enters the apron, ATC will instruct the Pilot to follow the direction of the Aircraft Marshallers to an allocated parking position on the apron.

5. Apron – taxiing during winter conditions

Inbound Traffic:

Once aircraft enter the apron, ATC will instruct the Pilot to follow the directions of the Aircraft Marshallers to an allocated parking position.

Departing IFR flights shall contact the TWR to obtain ATC clearance before commencing taxiing. Request for ATC clearance may take place at the earliest 10 minutes prior to engine start-up. Frequency 122.5 MHz is to be used in the period 0700 – 1500 UTC.

6. Taxiing – limitations

The separation distance between the runway and parallel taxiway does not allow simultaneous movement of landing and taxiing aircraft.

Taxiway Delta and Echo are closed permanently.

Standard taxiway routes exist for all aircraft above Code B via Taxiway Alpha 4 and onto Taxiway Bravo.

Passenger apron via Taxiway Charlie, adjacent to the passenger terminal building, is closed to traffic subjected to prior approval from Airport Manager.

7. School and training flights - Technical test flights - Use of runways

School and training flights must only be made after permission has been obtained from the ATC.

8. Helicopter traffic - Limitation

Non-scheduled public air traffic with helicopters is permitted only after prior approval from the Walvis Bay International Airport Administration. Any contact concerning the above shall be made via the handling company or directly to the airport during the hours of service and, if possible, not later than the day before the flight is to be carried out.

Any request for approval of traffic shall contain the following information:

a) Owner/Operator

b) Type of helicopter, registration/call sign

c) Date, arrival time/departure time, destination(s).

Furthermore, other details relevant to the evaluation for the request shall be given as required.

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 FYWB are expected to have an aircraft recovery plan. For non-airlines operators at FYWB, the pilot or aircraft owner is responsible for the immediate removal and or disposal of the disabled aircraft.

FYWB AD 2.21 NOISE ABATEMENT PROCEDURES

NIL procedures.

FYWB AD 2.22 FLIGHT PROCEDURES

Radio Communication Failure

a) Aircraft to join overhead the Aerodrome at 2000 feet AGL
b) Observe and join the Aerodrome TFC
c) Make all turns to the left whenever possible
d) Land as soon as possible and report to the ATC

Speed Restriction:

Speed restrictions within Walvis Bay TMA for arriving and departing aircraft, MAX IAS 250KT restriction applies at and below A100. Speed is mandatory and must be complied with. ATC may vary the speeds for traffic management purposes.

FYWB AD 2.23 ADDITIONAL INFORMATION

1. Model Flying

Model flying activities taking place on weekends 5NM southwest of FYWB at position 230237S 0143515E.

2. Paragliding

Paragliding activities in dunes near Lang strand throughout the year.

3. SECURING OF LIGHT AIRCRAFT

There are no designated stands for the parking of small aircraft, pilots are strictly requested to adhere to the marshalling signals from the marshaller.
No aircraft mooring points are available at FYWB, aircraft mooring weights available:
The equipment available is listed below:

- 4 x 43 KG pairs;
- 4 x 90 KG pairs;
- 4 x 92 KG pairs;
- 4 x 115 KG
- 1 x mobile trolley (for transportation of mooring equipment only)

The mooring equipment are stored at the now defunct temporary passenger terminal building structure, on airside located west of the passenger terminal building.
Pilots requiring mooring weights shall inform the aircraft marshaller on duty at the apron or the Airport Rescue and Fire Fighting Services Control Room.
Note! – The Pilot in Command (PIC) shall at own discretion select the weights for the type of aircraft in operation at the time.

Once the mooring weights have been used, it is the responsibility of the aircraft operator to return the mooring weight equipment to the designated storage area.

4. LIMITATIONS ON THE USE OF THE AERODROME

Simultaneous Movements
The separation distance between the runway and the taxiway does not allow simultaneous movements of landing and taxiing aircraft.

Taxiway Restrictions
Taxiways Delta and Echo are closed permanently.
Standard taxiway routes exist for all aircraft above Code B through Taxiway Alpha 4 and onto Taxiway Bravo.
Passenger apron through Taxiway Charlie, adjacent to the passenger terminal building, is closed to traffic subject to prior approval from the Airport Manager.

Other Restrictions
No night operations, outside of natural light hours, are allowed at Walvis Bay International Airport.

Pre-Flight Altimeter Checkpoint
The apron at Walvis Bay International Airport is not provided with Pre-Flight Altimeter checkpoint(s). 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.

Apron Markings
Airport Apron lead in lines is not commensurate with aircraft operations. There are no aircraft stand markings on FYWB cargo or passenger apron. Pilots are to follow aircraft marshaller instructions.

FYWB AD 2.24 CHARTS RELATED TO WALVIS BAY

AERODROME CHART

22°58'48"S
014°38"43"E

ELEV 299 FT

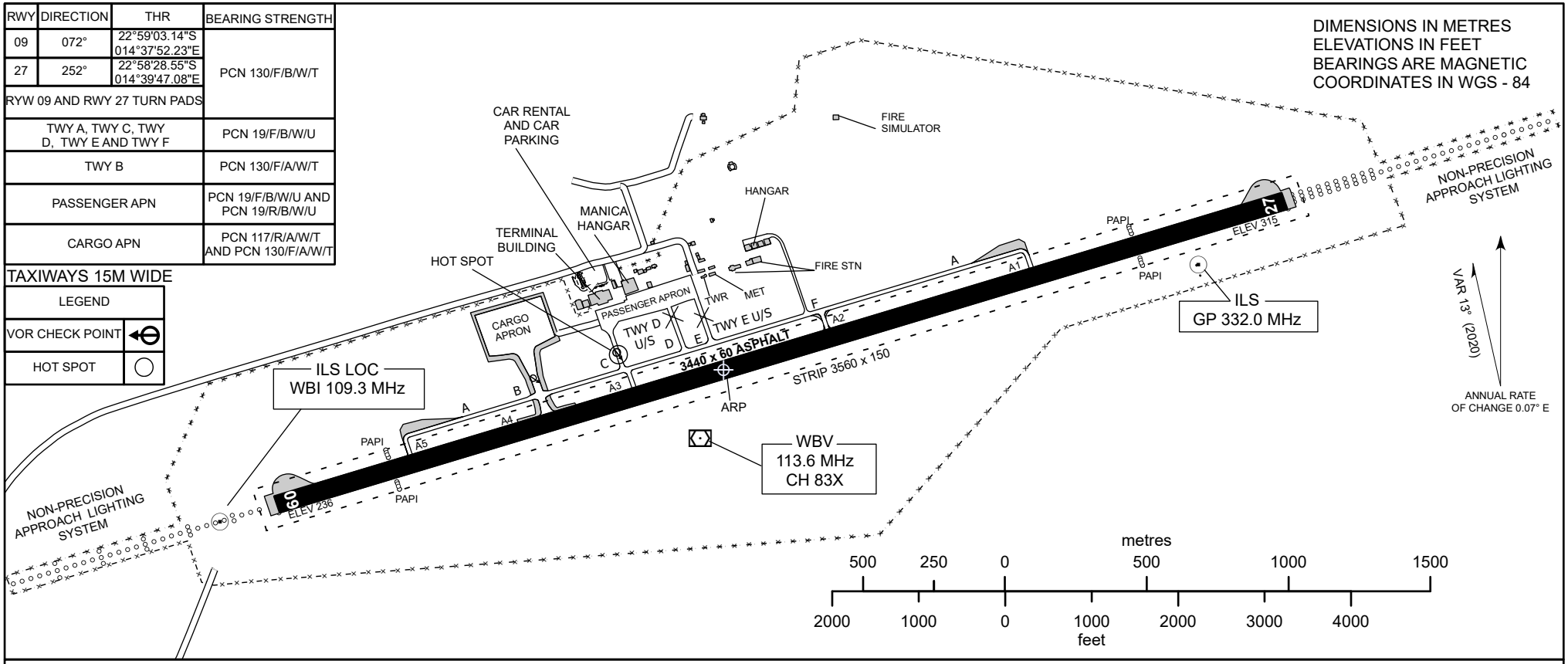
WALVIS BAY TWR 122.5
WALVIS BAY ATIS 127.0

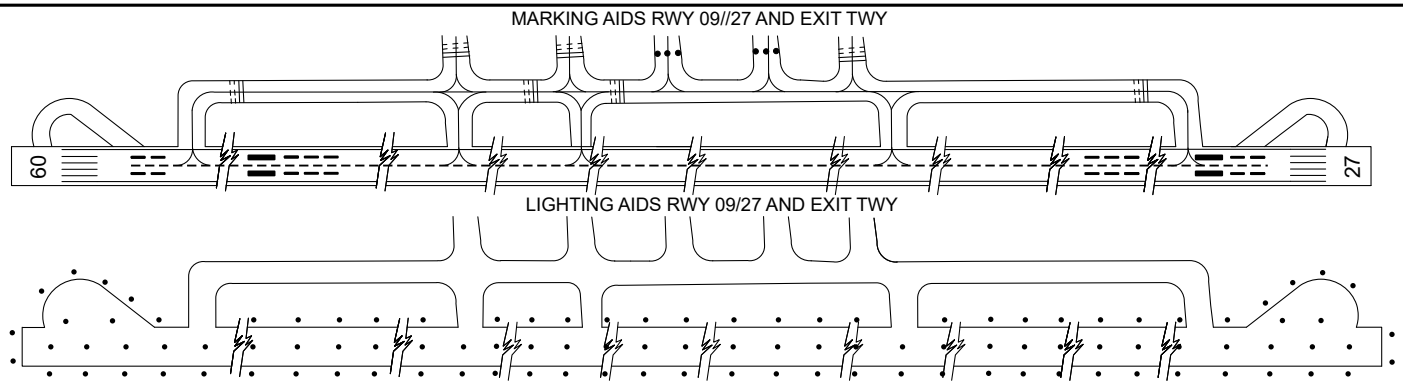
WALVIS BAY/
WALVIS BAY INTERNATIONAL AIRPORT

RWY	DIRECTION	THR	BEARING STRENGTH
09	072°	22°59'03.14"S 014°37'52.23"E	PCN 130/F/B/W/T
27	252°	22°58'28.55"S 014°39'47.08"E	
RYW 09 AND RWY 27 TURN PADS			
TWY A, TWY C, TWY D, TWY E AND TWY F			PCN 19/F/B/W/U
TWY B			PCN 130/F/A/W/T
PASSENGER APN			PCN 19/F/B/W/U AND PCN 19/R/B/W/U
CARGO APN			PCN 117/R/A/W/T AND PCN 130/F/A/W/T

TAXIWAYS 15M WIDE

LEGEND	
VOR CHECK POINT	
HOT SPOT	





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Area Chart – ICAO (Reserved)

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Instrument Approach Chart – ICAO (Reserved)

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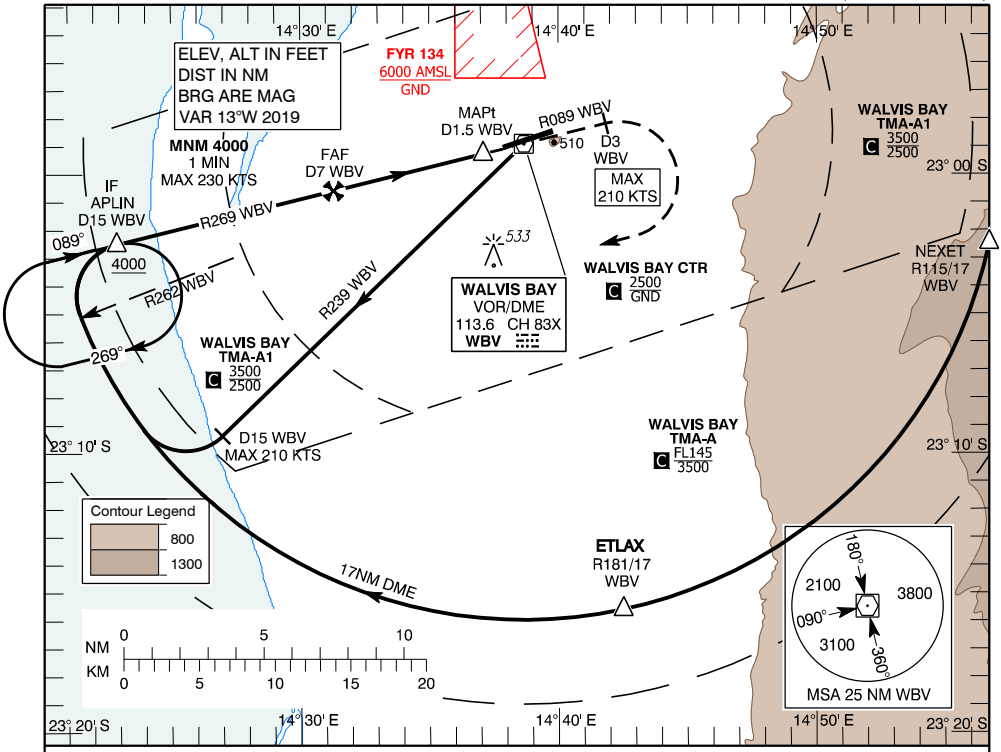
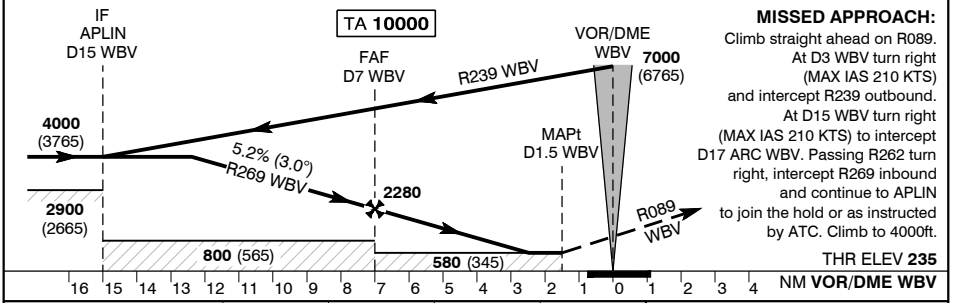
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **299 FT**
HEIGHT RELATED TO
THR RWY - **09** ELEV - **235 FT**

TWR	122.50
ATIS	127.00

WALVIS BAY (FYWB)
VOR RWY 09
(CAT A, B, C, D)





MISSED APPROACH:
Climb straight ahead on R089.
At D3 WBV turn right
(MAX IAS 210 KTS)
and intercept R239 outbound.
At D15 WBV turn right
(MAX IAS 210 KTS) to intercept
D17 ARC WBV. Passing R262 turn
right, intercept R269 inbound
and continue to APLIN
to join the hold or as instructed
by ATC. Climb to 4000ft.

THR ELEV **235**

Aircraft CAT		A	B	C	D
MDA (OCH) VIS	Straight-in	**580** (345) 1400m			
	Circling	**870** (571) 1900m	**940** (641) 2800m	**1160** (861) 3700m	**1240** (941) 4600m
Dist fm WBV DME	NM	6	5	4	3	2
Altitude	FT	1965	1645	1325	1005	685
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

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

Circling to the NORTH prohibited

CHANGES: NEW

RWY 09 VOR Approach

Descent Angle:	3 °						
Fix	IAF 1 / NEXET	IAF 2 / ETLAX	IF / APLIN D15 WBV	FAF D7 WBV	MAPt D1.5 WBV	MATP D3 WBV	MATP D15 WBV
Fix Coordinates	230227.80S 0145641.80E	231536.47S 0144230.16E	230230.44S 0142253.39E	230036.23S 0143117.83E	225917.24S 0143705.41E	225812.39S 0144149.96E	230922.48S 42657.96E
Fix Formation Bearing °T	102.03 WBV	168.03 WBV	256.18 WBV	256.18 WBV	256.18 WBV	076.18 WBV	226.00 WBV
Fix Formation Distances	17.0 WBV	17.0 WBV	15.0 WBV	7.0 WBV	1.5 WBV	3.0 WBV	15.0 WBV

Holding Identification

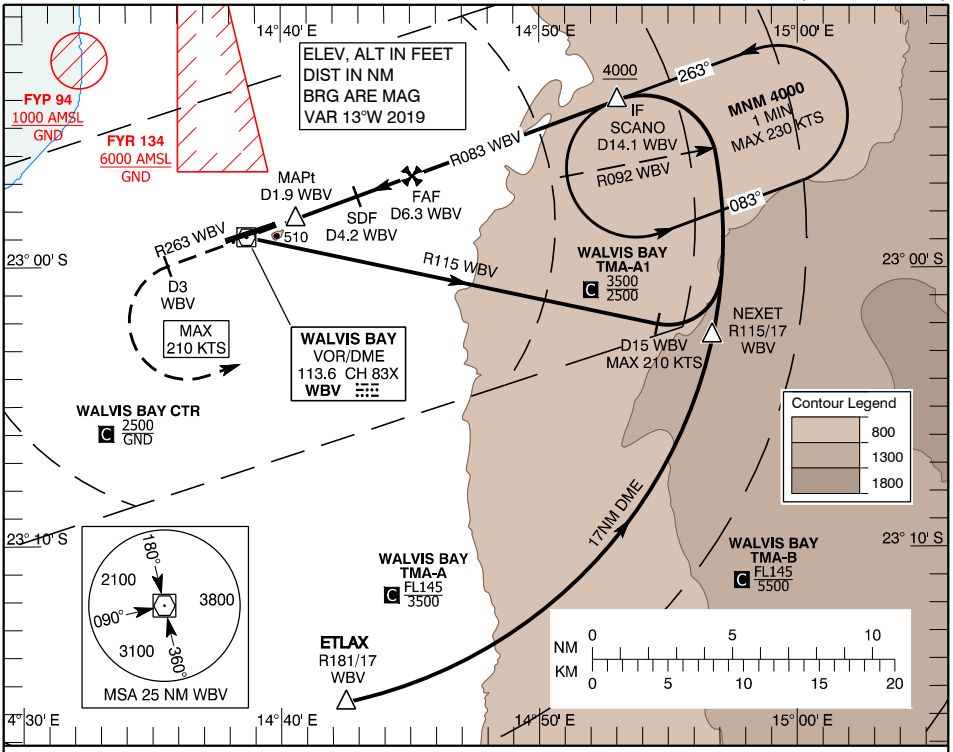
Holding Fix	Latitude / Longitude	Inbound True Track (degrees)	Inbound Magnetic Track (degrees)	Maximum Indicated Airspeed (kts)	Maximum/ Minimum Holding Altitude (ft)	Limiting Time (min)	Direction of Turn
APLIN	230230.44S 0142253.39E	076.31	089	230	- / 4000	1	R

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **299 FT**
HEIGHT RELATED TO
THR RWY - **27** ELEV - **317 FT**

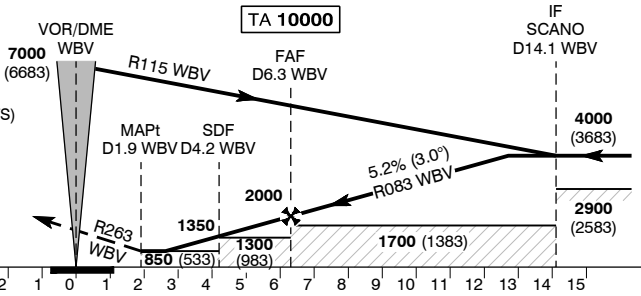
TWR	122.50
ATIS	127.00

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



MISSED APPROACH:
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.

THR ELEV **317**



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

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

Circling to the NORTH prohibited

CHANGES: NEW

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

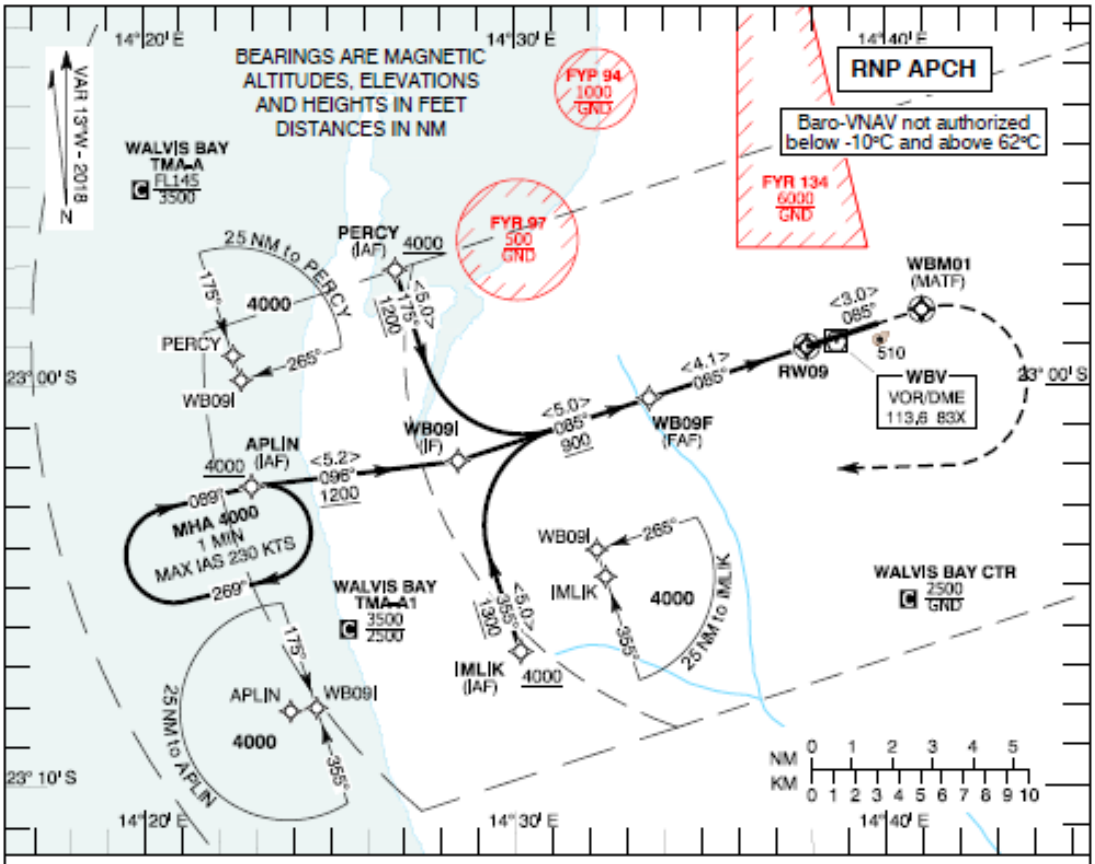
Holding Fix	Latitude / Longitude	Inbound True Track (degrees	Inbound Magnetic Track (degrees)	Maximum Indicated Airspeed (kts)	Maximum/ Minimum Holding Altitude (ft)	DME distance (NM)	Direction of Turn
IF / SCANO	225402.31S 0145300.97E	249.72	262.72	230	- / 4000	14.0	L

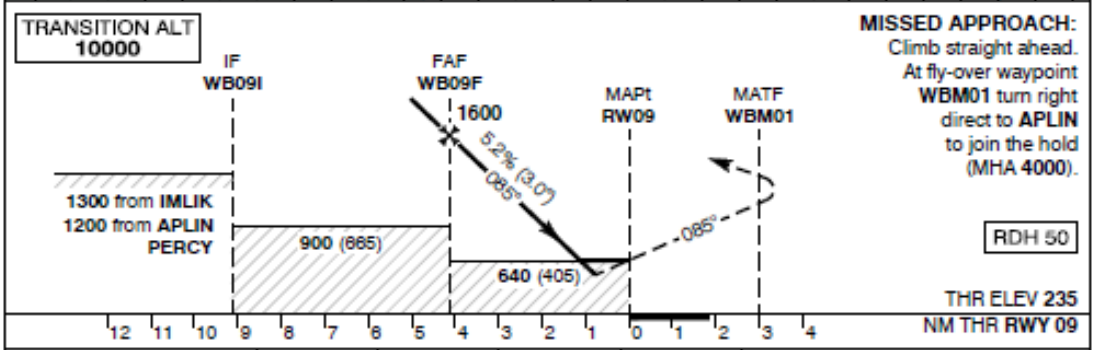
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **299** FT
HEIGHT RELATED TO
THR RWY - **09** ELEV - **235** FT

TWR 122.50
ATIS 127.00

WALVIS BAY (FYWB) RNP RWY 09





MISSED APPROACH:
Climb straight ahead.
At fly-over waypoint **WBM01** turn right direct to **APLIN** to join the hold (MHA **4000**).

Aircraft CAT		A	B	C	D
MDA (OCH) VIS	LNAV	**640** (405) 1700			
	LNAV/VNAV	**530** (295) 1200	**540** (305) 1200	**550** (315) 1200	**560** (325) 1300

Distance to MAPt	NM	4		3		2
Altitude	FT	**1560** (1325)		**1240** (1005)		**920** (685)
Ground Speed	KTS	80	100	120	140	160
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850

NOTES:
1. MAX IAS 250 KTS at and below 10000.
2. Descent gradient greater than 5.6% (3.2°) from IMLIK and PERCY.

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	IMLIK	23°06'39.14"S 014°30'08.09"E	-	-	-	-	- / 4000	-		IAF
2	RNP APCH	TF	WB09I	23°01'52.87"S 014°28'27.53"E	N	342.0 / 355	5.0	-	-	-		IF
3	RNP APCH	TF	WB09F	23°00'19.93"S 014°33'36.84"E	N	072.0 / 085	5.0	-	- / 1600	-		FAF
4	RNP APCH	TF	RW09	22°59'03.14"S 014°37'52.23"E	Y	072.0 / 085	4.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	WBM01	22°58'07.36"S 014°40'57.75"E	Y	072.0 / 085	-	-	-	-		WBV 082°/ WBV D 2.3
6	RNP APCH	OF	APLIN	23°02'30.44"S 014°22'53.39"E	N	-	-	R	-	230		IAF

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] / Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [·] / TCH [ft]	Remarks
1	RNP APCH	IF	APLIN	23°02'30.44"S 014°22'53.39"E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	WB09I	23 °01'52 .87"S 014°28'27.53"E	N	083.1 / 096	5.2	-	-	-	-	IF
3	RNP APCH	TF	WB09F	23°00'19.93"S 014°33'36.84"E	N	072.0 / 085	5.0	-	- / 1600	-	-	FAF
4	RNP APCH	TF	RW09	22°59'03.14"S 014°37'52.23"E	Y	072.0 / 085	4.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	WBM01	22°58'07.36"S 014°40'57.75"E	Y	072.0 / 085	-	-	-	-	-	WBV 082°/ WBV D 2.3
6	RNP APCH	OF	APLIN	23°02'30.44"S 014°22'53.39"E	N	-	-	R	-	230	-	IAF

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°] Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°] / TCH [ft]	Remarks
1	RNP APCH	IF	PERCY	22°57'06.57"S 014°26'47.08"E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	WB09I	23°01'52.87"S 014°28'27.53"E	N	162.0 / 175	5.0	-	-	-	-	IF
3	RNP APCH	TF	WB09F	23°00'19.93"S 014°33'36.84"E	N	072.0 / 085	5.0	-	- / 1600	-	-	FAF
4	RNP APCH	TF	RW09	22°59'03.14"S 014°37'52.23"E	Y	072.0 / 085	4.1	-	-	-	3.00 / 50	-
5	RNP APCH	CF	WBM01	22°58'07.36"S 014°40'57.75"E	Y	072.0 / 085	-	-	-	-	-	WBV 082°/ WBV D 2.3
6	RNP APCH	OF	APLIN	23°02'30.44"S 014°22'53.39"E	N	-	-	R	-	230	-	IAF

Hold Identification

Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude / Level (FU ft)	Maximum Holding Altitude/ Level (FU ft)	Distance outbound limit (NM) /Outbound time (mix)	Direction of Turn
APLIN	23°02'30.44"S / 014°22'53.39"E	076.0	089	230	4000	-	1 min	R

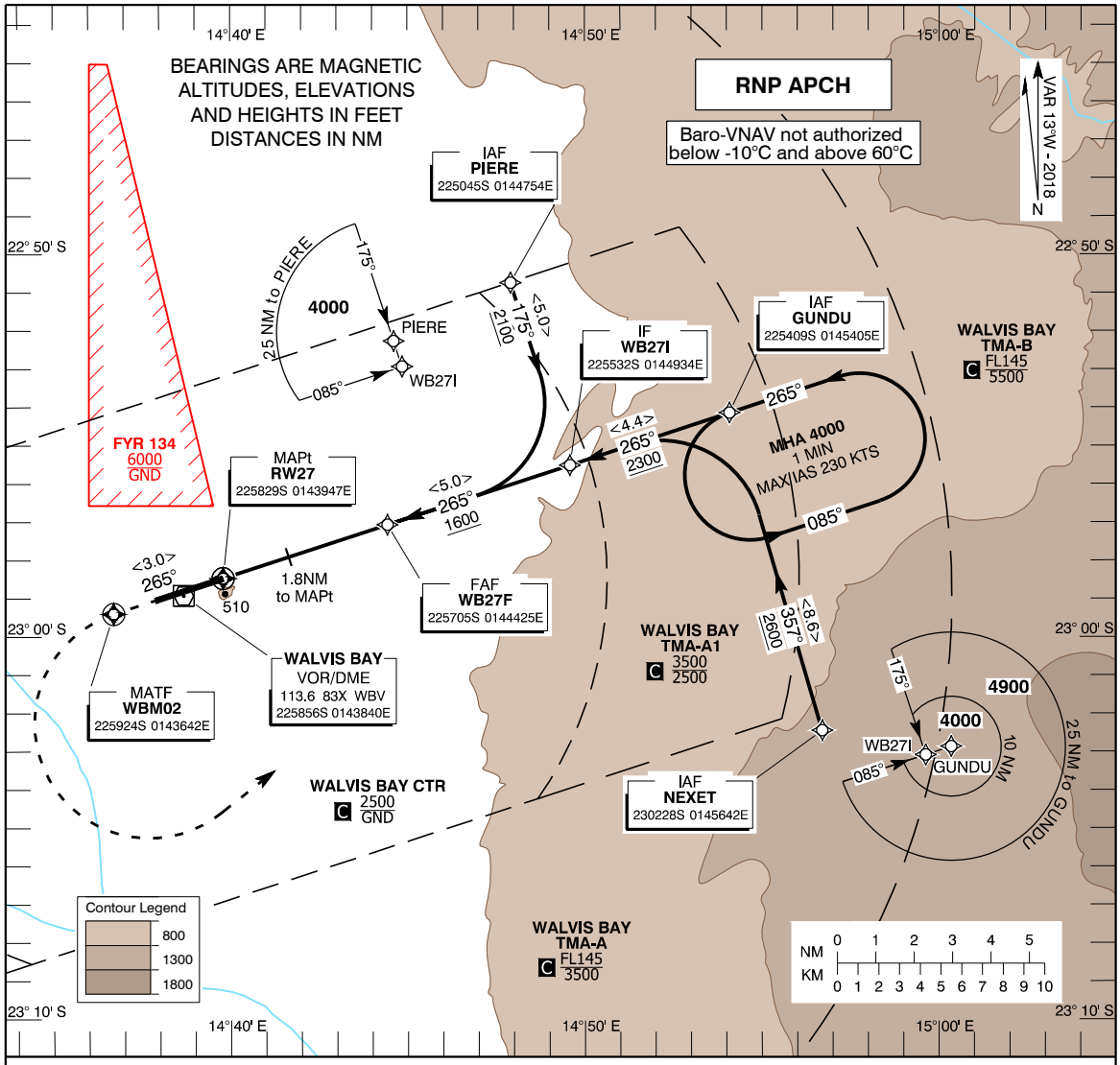
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **299 FT**
HEIGHT RELATED TO
THR RWY - **27** ELEV - **316 FT**

TWR	122.50
ATIS	127.00

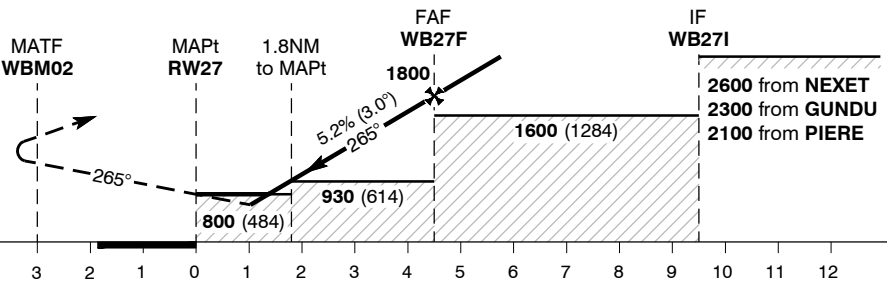
WALVIS BAY (FYWB)

RNP RWY 27



MISSED APPROACH:
Climb straight ahead.
At fly-over waypoint **WBM02** turn left direct to **GUNDU** to join the hold (MHA **4000**).

TRANSITION ALT **10000**



Aircraft CAT		A	B	C	D
MDA (OCH) VIS	LNAV	**800** (484) 1500			
	LNAV/VNAV	**690** (374) 1000	**700** (384) 1100	**710** (394) 1100	**720** (404) 1200

Distance to MAPt	NM	2		3		4
Altitude	FT	**1005** (689)		**1320** (1004)		**1640** (1324)
Ground Speed	KTS	80	100	120	140	160
Rate of Descent (3.0°)	FT/MIN	425	530	635	745	850

NOTES:
1. MAX IAS 250 KTS at and below 10000.

CHANGES: NEW

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°]/ Magnetic Track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	Remarks
1	RNAV 1	IF	NEXET	23°02'27.80"S 014°56'41.80"E	-	-	-	-	- / 4000	-	IAF
2	RNAV 1	TF	GUNDU	22°54'09.29"S 014°54'04 .80"E	N	343.7 / 357	8.6	-	- / 2600	-	IAF

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°]/ Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°]/ TCH [ft]	Remarks
1	RNP APC H	IF	PIERE	22°50'45.32"S 014°47'54.13"E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	WB27I	22°55'31.62"S 014°49'34.50"E	N	162.0 / 175	5.0	-	-	-	-	IF
3	RNP APCH	TF	WB27F	22°57'04.72"S 014°44'25 .42"E	N	252.0 / 265	5.0	-	- / 1800	-	-	FAF
4	RNP APCH	TF	RW27	22°58'28.55"S 014°39'47.08"E	Y	252.0 / 265	4.5	-	-	-	3.00 *1 50*	-
5	R N P APCH	CF	WBM02	22°59'24.42"S 014°36'41.57"E	Y	252.0 / 265	-	-	-	-	-	WB V 268° / WB V D 1.9
6	RNP APCH	DF	GUNDU	22°54'09.29"S 014°54'04.80"E	N	-	-	L	-	23 0	-	IAF

Serial #	Navigational performance	Path descriptor	Waypoint identifier	Waypoint coordinates	Fly-Over	True track [°]/ Magnetic track [°]	Distance [nm]	Turn direction	Upper limit [ft] / Lower limit [ft]	Speed [kts]	VPA [°]/ TCH [ft]	Remarks
1	RNP APCH	IF	GUNDU	22°54'09.29"S 014°54'04.80"E	-	-	-	-	- / 4000	-	-	IAF
2	RNP APCH	TF	WB27I	22°55'31.62"S 014°49'34.50"E	N	251.8 / 265	4.4	-	-	-	-	IF
3	R N P APCH	TF	WB27F	22°57'04.72"S 014°44'25.42"E	N	252.0 / 265	5.0	-	- / 1800	-	-	FAF
4	RNP APCH	TF	RW27	22°58'28.55"8 014°39'47.08"E	Y	252.0 / 265	4.5	-	-	-	3.00 / 50	-
5	RNP APCH	CF	WBM02	22°59'24.42"S 014°36'41.57"E	Y	252.0 / 265	-	-	-	-	-	WBV 268°/ WBV D 1.9
6	RNP APCH	DF	GUNDU	22°54'09.29"S 014°54'04.80"E	N	-	-	L	-	230	-	IAF

Hold Identification

Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FU ft)	Maximum Holding Altitude/ Level (FL/ft)	Distance outbound limit (NM) /Outbound time (min)	Direction of Turn
GUNDU	22°54'09.29"S 014°54'04.80"E	251.8	265	230	4000	-	1 min	L

CTR CHART

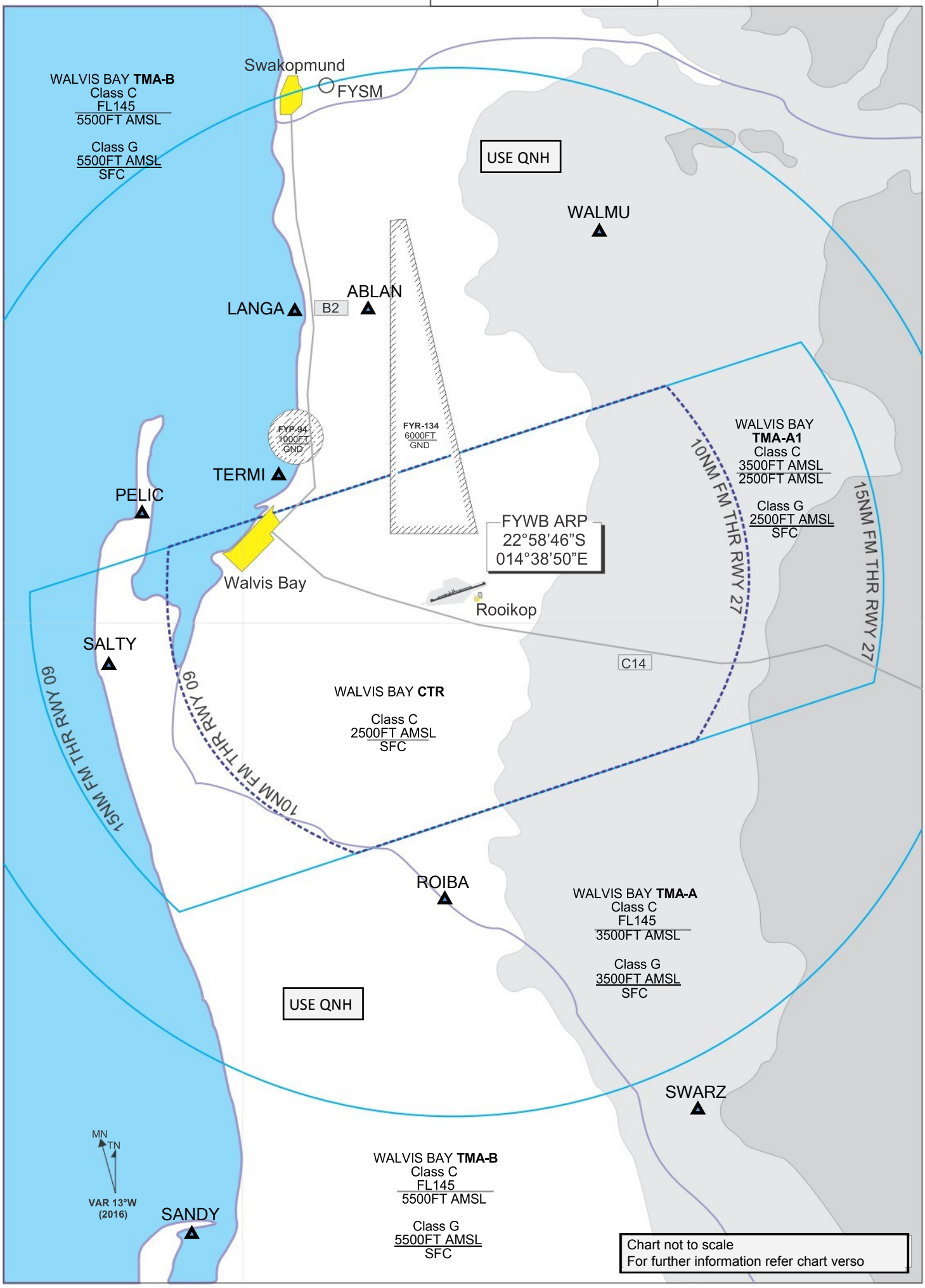
AERODROME ELEV 317'

TA 10000FT

WALVIS BAY:
TWR 122.5 Mhz
ATIS 127.0 Mhz

WALVIS BAY (FYWB)

CTR



CHANGES: VFR points, Class G airspace, notes

NAMIBIA CIVIL AVIATION AUTHORITY

AIRAC A03/2024

Com failure:

1. Squawk 7600;
2. If possible, phone TWR +264 64 702690;
3. Join overhead the aerodrome at 2000FT AMSL;
4. Observe and join the TFC circuit;
5. Transmit your intentions at all times;
6. Make all turns LEFT where possible;
7. Ensure landing lights and strobes are on;
8. Watch TWR for optical signals.

Waypoints:

ABLAN	224834S 0143534E
LANGA	224834S 0143238E
PELIC	225542S 0142606E
ROIBA	231046S 0143858E
SALTY	230045S 0142429E
SANDY	232228S 0142828E
SWARZ	231834S 0144916E
TERMI	225418S 0143118E
TOWER	225838S 0143841E
VOGEL	230305S 0145951E
WALMU	224600S 0144416E

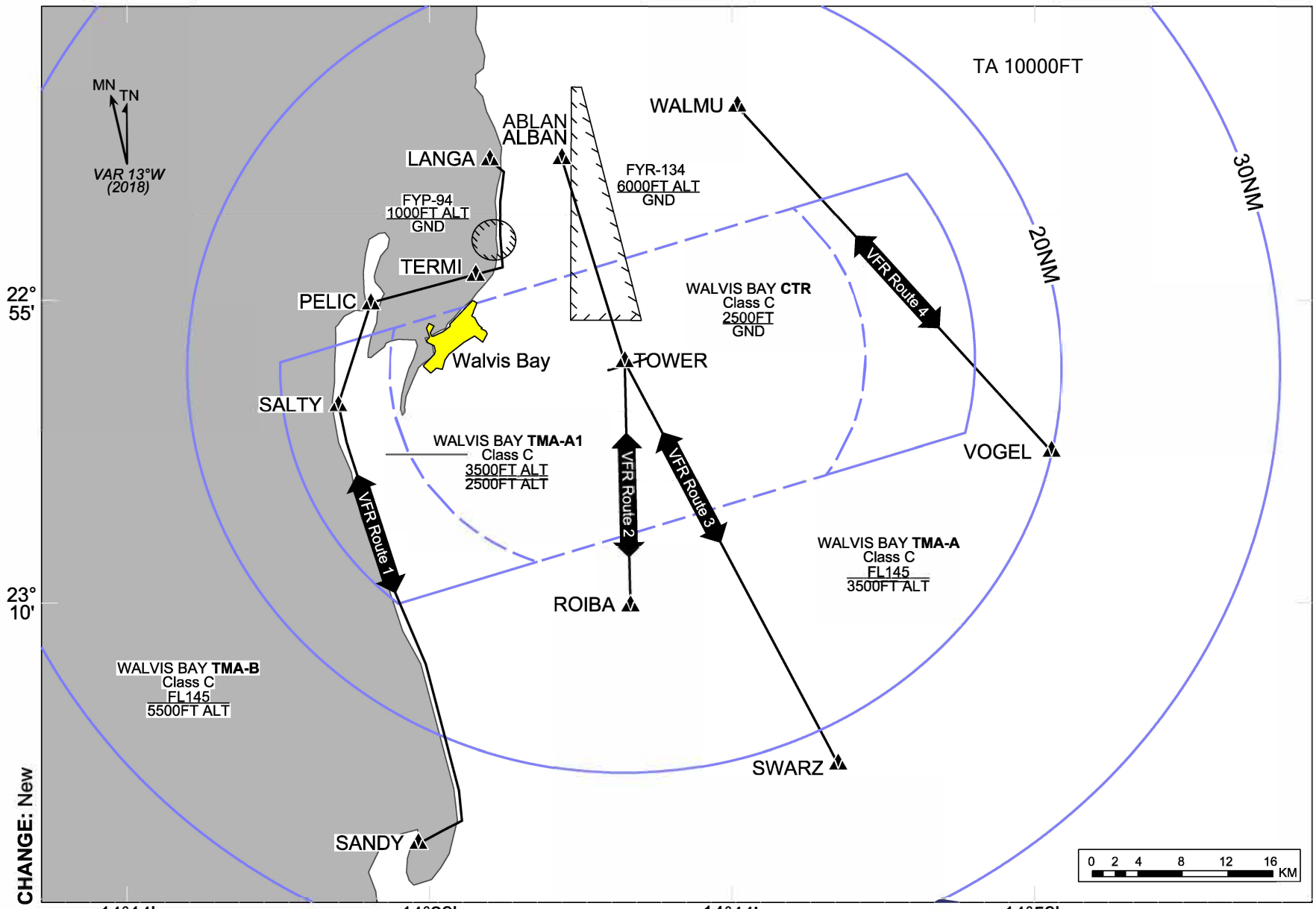
Waypoints must be spoken as:

ABLAN	East Abeam Langstrand
LANGA	Langstrand
PELIC	Pelican Point
SALTY	Salt Works
SANDY	Sandwich Harbour
SWARZ	Swarzbank Berg
TERMI	Oil Terminal
TOWER	Overhead Walvis Bay Tower
VOGEL	Vogelfederberg
WALMU	Walmund Power Station

AREA CHART

VFR ROUTES 1, 2, 3, 4

WALVIS BAY (FYWB) TMA



CHANGE: New

VFR Route 1:
NOTE: no ATC clearance required when tracking via VFR Route 1.
Contact Walvis Bay TWR 122.50MHz at Sandwich Harbour (SANDY) or Langstrand (LANGA) and advise:
"Walvis Bay Tower, *Callsign,* Sandwich Harbour/Langstrand, tracking via VFR Route 1", at *xxxxFT*.
Bidirectional Not above 2500FT Class of Airspace: G
ENTRY / EXIT: LANGA (Langstrand 22 48 34S 014 32 38E)
ENTRY / EXIT SANDY (Sandwich Harbour 23 22 28S 14 28 28 E)

VFR Route 2:
NOTE: ATC Clearance required.
Contact Walvis Bay Tower 122.05MHZ at East Abeam Langstrand (ABLAN) or Rooibank (ROIBA) for ATC clearance, and advise:
"Walvis Bay Tower *Callsign,* East abeam Langstrand / Rooibank
Tracking via VFR Route2, at *xxxxFT*, request clearance"
Do not proceed until ATC clearance received.
Bidirectional Not above 3500FT, and as cleared by ATC
Class of Airspace: G/C/G
ENTRY / EXIT: ABLAN (East abeam Langstrand 22 48 34 S 014 35 34E)
ENTRY / EXIT ROIBA (Rooibank 23 10 46 S 014 38 58 E)
Aircraft must monitor FYWB TWR 122.50MHz.

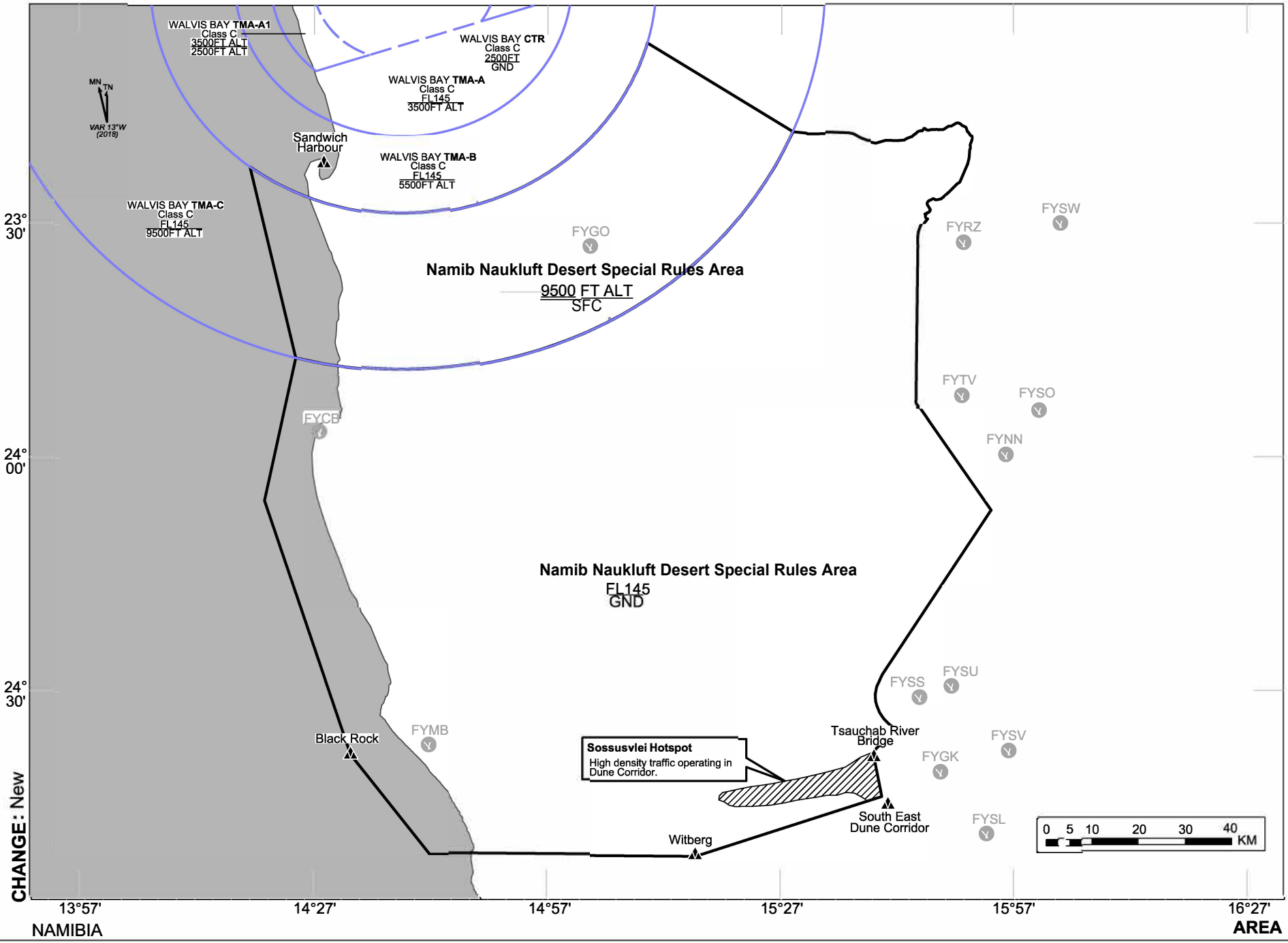
VFR Route 3:
NOTE: ATC Clearance required.
Contact Walvis Bay Tower 122.50MHZ at East Abeam Langstrand (ABLAN), or Swartzbank Berg (SWARZ) for ATC clearance, and advise:
"Walvis Bay Tower *Callsign,* East abeam Langstrand / Swartzbank Berg
Tracking via VFR Route2, at *xxxxFT*, request clearance"
Do not proceed until ATC clearance received.
Bidirectional Not above 3500FT, and as cleared by ATC
Class of Airspace: G/C/G
ENTRY / EXIT: ABLAN (East abeam Langstrand 22 48 34 S 014 35 34E)
ENTRY / EXIT: SWARZ (Swartbank Berg 23°18'34.00"S 14°49'16.00"E)
Aircraft must monitor FYWB TWR 122.50MHz.

VFR Route 4:
NOTE: no ATC clearance required when tracking via VFR Route 4.
Contact Walvis Bay TWR 122.50MHz at Walmund Power Station (WALMU) or Vogelfederberg (VOGEL) and advise:
"Walvis Bay Tower, *Callsign,* Walmund Power Station / Vogelfederberg, tracking via VFR Route 4", at *xxxxFT*.
Bidirectional Not above 2500FT Class of Airspace: G
ENTRY / EXIT: VOGEL (Vogelfederberg 23 03 05 S 014 59 51 E.)
ENTRY / EXIT: WALMU (Walmund Power station 22 46 S 014 44 16 E)
Aircraft must monitor FYWB TWR 122.50MHz.

AREA CHART

NAMIB NAUKLUFT DESERT SPECIAL RULES AREA

WALVIS BAY (FYWB)



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AERODROME OBSTACLE CHART–ICAO
TYPE A (OPERATING LIMITATIONS)

WALVIS BAY/ Walvis Bay Intl Airport

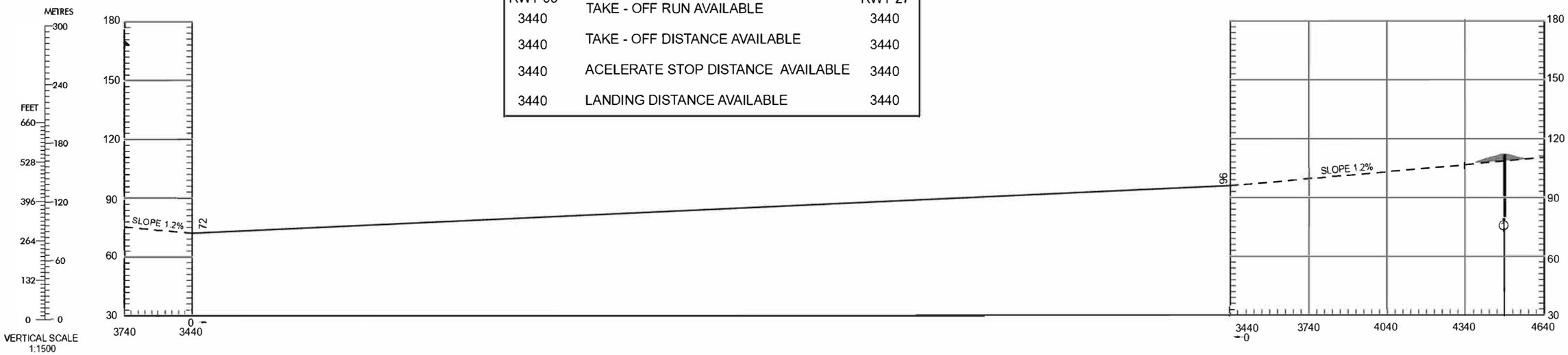
DIMENSIONS AND ELEVATIONS IN METRES

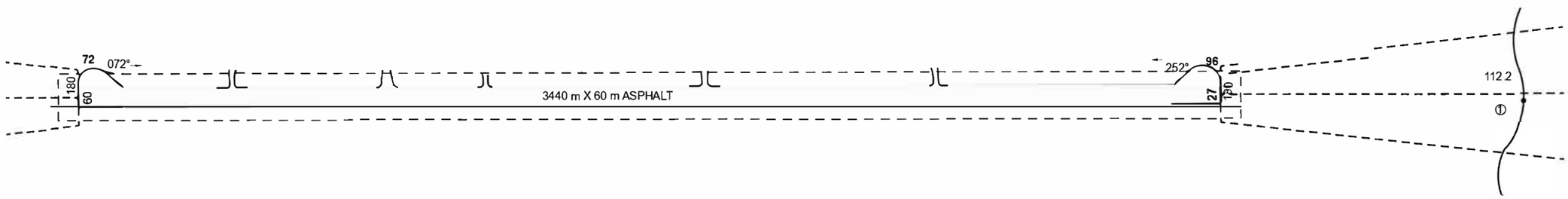
RWY 09 / 27

MAGNETIC VARIATION 13°W - JAN 2020

RWY 09 /27

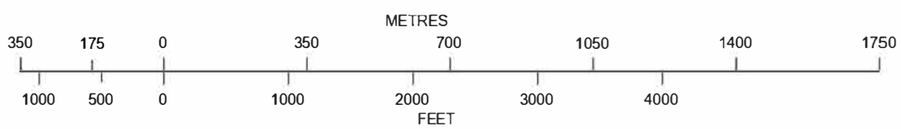
DECLARED DISTANCES		
RWY 09		RWY 27
3440	TAKE - OFF RUN AVAILABLE	3440
3440	TAKE - OFF DISTANCE AVAILABLE	3440
3440	ACELERATE STOP DISTANCE AVAILABLE	3440
3440	LANDING DISTANCE AVAILABLE	3440





LEGEND	
IDENTIFICATION NUMBER	①
TERRAIN CONTOUR	
TERRAIN PENETRATING OBSTACLE PLANE	

HORIZONTAL SCALE 1 : 15000



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AD 2. AERODROMES

FYWE AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FYWE - Windhoek Eros Airport

FYWE AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	*ARP co-ordinates and site at AD*	223632.00S 0170444.00E
2.	*Direction and distance from (city)*	5km South of Windhoek central business district.
3.	*Elevation/reference temperature*	5 574 FT and NIL temperature
4.	*Geoid undulation at AD ELEV PSN*	105 FT
5.	*MAG VAR/annual change*	12° W (2016)/0.09° decreasing
6.	*Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and, if available, website address*	Namibia Airports Company Limited Eros Airport Private Bag 13357 WINDHOEK Ms. Maria Hamunyela: Airport Manager Contact details: Tel: +264 61 2955501 Telefax: NIL Cell: +264 811273965 (during or after hours) Email: Hamunyelam@airports.com.na Website: www.airports.com.na
7.	*Types of traffic permitted (IFR/VFR)*	IFR /VFR
8.	*Remarks*	NIL

FYWE AD 2.3 OPERATIONAL HOURS

1.	*AD administration*	MON – FRI: 0400 - 1900 SAT: 0400 – 1800 SUN: 0400 – 1900
2.	*Customs and immigration*	As AD administration
3.	*Health and sanitation*	As AD administration
4.	*Aeronautical Information Service (AIS) briefing office*	MON – FRI: 0300 – 1900 SAT: 0300 – 1800 SUN: 0400 – 1900
5.	*ATS reporting office (ARO)*	As AD administration
6.	*MET briefing office*	As AD administration
7.	*ATS*	As AD administration
8.	*Fuelling*	MON – FRI: 0400 - 1800 SAT & SUN: 0400 - 1400
9.	*Handling*	As AD Administration
10.	*Security*	H24
11.	*De-icing*	NIL
12.	*Remarks*	**NAMRA/Customs and Excise Contact Details** Tel: +264 61 254233 Cell: +264 81 2514347 **Immigration Contact Details** Tel: +264 61 232282 Cell: +264 81 1278881/+264 81 2064910 **Aeronautical Information Services Contact Details** Tel: +264 61 702080/1/3 Fax: +264 61 702088 **Meteorological Services Contact Details** Tel: +264 61 301131 Cell: +264 81 2844120 **Air Traffic Services Contact Details** Tel: +264 61 702090/702490 Cell: +264 81 2307149

FYWE AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Manual Forklift Capacity 1000kg, x2 Cargo Dolley's, Cargo Cart, Cargo Cooler and weighing/scale machine 600kg
2.	*Fuel/oil types*	Jet A1 and Avgas
3.	*Fuelling facilities/capacity*	Bowser truck Jet A1 capacity of 18 500L and Bowser truck AVGAS capacity of 7000L
4.	*De-icing facilities*	NIL
5.	*Hangar space for visiting aircraft*	NIL
6.	*Repair facilities for visiting aircraft*	West Air/Aviation Centre
7.	*Remarks*	Central Oil Namibia (PTY) LTD PO Box 555025, Windhoek, Namibia Tel: +264 81 124 1881 E-mail: robbybeukes@gmail.com robertb@con-aviation.com

FYWE AD 2.5 PASSENGER FACILITIES

1.	*Hotels*	Near the AD and in the city
2.	*Restaurants*	On the AD and in the city
3.	*Transportation*	Taxi service and Car hire
4.	*Medical facilities*	First aid, Ambulance on AD and Hospital in the City
5.	*Bank and post office*	In the city
6.	*Tourist office*	In the city
7.	*Remarks*	NIL

FYWE AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 5
2.	*Rescue equipment*	2x Rescue Vehicles FT1: 12 000 Litres water /1 600 Litres foam / 250 KG dry chemical powder FT2: 12 500 Litres water /1 500 Litres foam / 250 KG dry chemical powder
3.	*Capability for removal of disabled aircraft*	NIL
4.	*Remarks*	Coordinator for removal of disabled aircraft: Johannes Vries Chief ARFF Tel: +264 61 295 5510 Mobile: +264 81 145 6848 Email: VriesJ@airpors.com.na

FYWE AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	NIL

FYWE AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	*Apron designation, surface and strength*	Apron Asphalt 6/F/D/Y/T Apron Concrete 7/R/D/Y/T Apron Concrete 3/R/D/Y/T
2.	*Taxiway designation, width, surface and strength*	Alpha 15 M Asphalt 7/F/D/Y/T Bravo 15 M Asphalt 7/F/D/Y/T Charlie 15 M Asphalt 7/F/D/Y/T Delta 15 M Asphalt 7/F/D/Y/T Echo 15 M Asphalt 7/F/D/Y/T Hotel 15 M Asphalt 7/F/D/Y/T
3.	*Altimate checkpoint location and elevation*	Location: At Apron Note: All Aircraft parking stands are designated pre-flight altimeter check locations. **Aircraft Stand Number** — **Geographical Coordinates of centre point** — **Elevation** A1: 223603.83S 0170449.85E 5535 FT A2: 223605.71S 0170450.21E 5535 FT A3: 223607.77S 0170450.57E 5535 FT A4: 223604.74S 0170447.91E 5535 FT A5: 223605.58S 0170448.06E 5535 FT A6: 223606.44S 0170448.22E 5535 FT A7: 223607.68S 0170448.44E 5535 FT A8: 223608.68S 0170448.63E 5535 FT
4.	*VHF omnidirectional radio range (VOR) checkpoints*	NIL

5.	*INS checkpoints*	NIL
6.	*Remarks*	**Taxiway Holding Positions** **Holding Position** **Coordinates** **Elevation(m)** A 223640.74S 0170451.98E 1728 B 223649.22S 0170452.11E 1699 C 223620.48S 0170444.69E 1721 D 223610.18S 0170442.97E 1718 E 223550.92S 0170439.76E 1713 H 223559.42S 0170445.93E 1715 **Aircraft Stand** **Design Aircraft** **Surface Type** **Pavement Strength** A1 ERJ145 Asphalt 6/F/D/Y/T A2 ERJ145 Asphalt 6/F/D/Y/T A3 Falcon 7x Asphalt 6/F/D/Y/T A4 Helicopter Asphalt 6/F/D/Y/T A5 Helicopter Asphalt 6/F/D/Y/T A6 Helicopter & Fixed Wing (Code A) Asphalt 6/F/D/Y/T A7 Fixed Wing (Code A) Asphalt 6/F/D/Y/T A8 Fixed Wing (Code A) Asphalt 6/F/D/Y/T ……

FYWE AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guidelines and visual docking/ parking guidance system of aircraft stands*	No Aircraft stand ID Signs provided. Taxiing guidance signs at all intersections with TWY and RWY markings at all holding positions. No visual docking system provided. Parking of ACFT as per the Marshaller guidance to the aircraft stands.
2.	*RWY and TWY markings and LGT*	RWY/TWY | Markings | LGT RWY (01/19) | Designation, Centreline, Threshold, Aiming Point Touchdown Zone | Edge LGT End LGT RWY (09/27) | Designation, Centreline | NIL

		TWY (ALPHA)	Centreline, Holding Position	NIL
		INT (BRAVO)	Centreline, Holding Position	NIL
		INT (Charlie)	Centreline, Holding Position	NIL
		INT (DELTA)	Centreline, Holding Position	Edge LGT
		INT (ECHO)	Centreline	NIL
		INT (FOXTROT)	Centreline	NIL
		INT (GOLF)	Centreline	NIL
		INT (HOTEL)	Centreline	NIL
3.	*Stop bars*	NIL		
4.	*Other runway protection measures*	NIL		
5.	*Remarks*	NIL		

FYWE AD 2.10 AERODROME OBSTACLES

In Area 2b					
OBST ID/ Designation	***OBST Type***	***OBST position***	***ELEV/HGT (FT)***	***Markings/ Type, colour, lighting (LGT)***	***Remarks***
a	**b**	**c**	**d**	**e**	**f**
AUASLIT	Pole	223642.00S 0170512.90E	5623/44.3	LGT	Transitional 27
FLOODLIGHT 2:	Pole	223625.60S 0170529.70E	5692/104.98	NIL	Transitional 01/19
FLOODLIGHT 3:	Pole	223630.10S 0170529.10E	5689/104.98	NIL	Transitional 01/19
FLOODLIGHT 4:	Pole	223629.40S 0170525.00E	5692/104.98	NIL	Transitional 01/19
MNC MAST:	Tower	223613.50S 0170601.90E	5712/87.20	NIL	Inner Horizontal
MTC CIMBEBASIA	Tower	223738.40S 0170453.60E	5709/78.1	Marked LGT	Inner Horizontal Approach 01 Take Off Climb
MTC STADIUM	Tower	223638.40S 0170529.40E	5666/81.82	Marked LGT	Approach 27 Inner Horizontal
TELECOM TOWER:	Tower	223806.80S 0170435.10E	5764/90.97	LGT	Inner Horizontal
TREE ANT MAST:	Tower	223609.20S 0170701.50E	5810/52.92	LGT	Inner Horizontal

In Area 2c					
OBST ID/ Designation	***OBST Type***	***OBST Position***	***ELEV/HGT (FT)***	***Markings /Type, Colour, lighting (LGT)***	***Remarks***
a	***b***	***c***	***d***	***e***	***f***
Antenna Mast 1	Equipment	223637.80S 0170456.10E	5653/83.66	LGT	Transitional 01/19 Transitional 09/27
Antenna Mast 2	Equipment	223637.90S 0170456.10E	5649/83.66	NIL	Transitional 01/19 Transitional 09/27
Antenna Mast 3	Equipment	223637.10S 0170456.10E	5649/83.66	NIL	Transitional 01/19 Transitional 09/27
Antenna Mast 4	Equipment	223637.10S 0170456.20E	5649/83.66	NIL	Transitional 01/19 Transitional 09/27
Antenna Mast 5	Equipment	223638.00S 0170456.20E	5646/83.66	NIL	Transitional 01/19 Transitional 09/27
AP MTC TWR	Tower	223637.10S 0170456.10E	5646/80.61	NIL	Transitional01/19 Transitional 09/27
FLOODLIGHT PRESS	Pole	223635.60S 0170454.10E	5614/80.38	NIL	Transitional 01/19
MTC MAST:	Tower	223554.50S 0170536.10E	5725/121.29	LGT	Inner Horizontal
MTC MAST B:	Tower	223602.70S 0170340.80E	5659/84.51	NIL	Inner Horizontal
MTC OLIMP:	Tower	223554.50S 0170536.10E	5843/118.11	Marked	Inner Horizontal
MTC PROSPERITA	Tower	223722.30S 0170508.30E	5725/112.96	LGT	Inner Horizontal
PRESEDENTIAL FLOODLIGHT	Pole	223635.30S 0170456.50E	5614/80.38	LGT	Transitional 01/19
TELECOM PARK STA	Tower	223536.10S 0170427.80E	5607/109.28	Marked LGT	Transitional 19
TELKOM TWR:	Tower	223627.30S 0170314.50E	5669/84.38	Marked LGT	Inner Horizontal
WINDSENSOR:	Equipment	223623.40S 0170439.30E	5571/23.10	NIL	Transitional 01/19

In Area 3					
OBST ID/ Designation	***OBST Type***	***OBST Position***	***ELEV/HGT (FT)***	***Markings /Type, Colour, lighting (LGT)***	***Remarks***
a	**b**	**c**	**d**	**e**	**f**
APRNLTS	Pole	223606.40 S 0170451.70E	5613/81.69	LGT	Transitional 01 Transitional 19
APRON FLOOD LT 1	Pole	223600.90S 0170449.90E	5596/70.99	NIL	Transitional 01 Transitional 19
APRON FLOOD LT 2	Pole	223603.40S 0170451.20E	5607/81.43	LGT	Transitional 01 Transitional 19
APRON FLOOD LT 3	Pole	223606.40S 0170451.70E	5613/81.43	LGT	Transitional 01 Transitional 19
APRON FLOOD LT 4	Pole	223609.40S 0170452.20E	5616/81.43	LGT	Transitional 01 Transitional 19

FYWE AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	*Associated Met office*	Windhoek
2.	*Hours of service* *MET office outside hours*	MON – FRI: 0300 – 1800 SAT – SUN: 0400 – 1600
3.	*Office responsible for TAF preparation* *Periods of validity*	FYWH (06:00,10:00,12:00,15:00 and 18:00) Validity for short terminal aerodrome forecast (TAF)
4.	*Type of landing forecast* *Interval of issuance*	N/A
5.	*Briefing/consultation provided*	FYWH
6.	*Flight documentation* *Language(s) used*	English
7.	*Charts and other information available for briefing or consultation*	Models and satellite imagery
8.	*Supplementary equipment available for providing information*	Satellite imagery
9.	*ATS units provided with information*	FYWH
10.	*Additional information (limitation of service, etc.)*	1. Satellite imagery. 2. Windsock Geographical Location, Elevation, Marking and Lighting

Windsock Designation	Latitude Longitude	Height (m)	Marked/ LGT
Windsock 01 Windsock opposite new control tower. Measured to top of Windsock 7.60 m AGL.	223639.90S 0170443.54E	1735	Marked
Windsock MID Windsock opposite the old control tower. Measured to top of red light 9.6 m AGL.	223610.59S 0170439.75E	1723	Marked
Windsock 19 Windsock on the opposite side of Taxiway Holding Point Echo. Measured to top centre of light array 7.60 m AGL.	223551.20S 0170437.15E	1720	Marked LGT

FYWE AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification number (PCN) and surface of RWY and SWY*	*THR coordinates RWY end coordinates THR geoid undulation*	*THR Elevation and Highest Elevation of TDZ of Precision APP RWY*
1	2	3	4	5	6
01	351.19°	1983 x 30	6/F/D/Y/T RWY Asphalt SWY paved	THR 223649.89S 0170449.59E RWY end 223650.08 0170449.63E GUND 105 FT	NIL
19	171.19°	1983 x 30	6/F/D/Y/T RWY Asphalt SWY paved	THR 223546.57S 0170439.03E RWY end 223546.38S 0170439.00E GUND 105 FT M	NIL
09	75.53°	1005 x 30	5/F/D/Y/T RWY Asphalt NIL SWY	THR 223648.63S 0170429.47E RWY end 223648.68S 0170429.27E GUND 105 FT	NIL
27	255.53°	1005 x 30	5/F/D/Y/T RWY Asphalt NIL SWY	THR 223640.58S 0170503.12E RWY end GUND 105 FT	NIL

Designation RWY NR	*Slope of RWY-SWY (%)*	*SWY Dimensions (M)*	*Clearway (CWY) Dimensions (M)*	*Strip dimensions (M)*	*Dimensions of RWY end safety areas*
1	7	8	9	10	11
01	RWY 0.997 SWY 1.77	118x30	NIL	2103x150	90x60
19	RWY 0.997 SWY 0.88	148x30	NIL	2103x150	80x60
09	RWY 0.172 SWY NIL	NIL	NIL	1065x150	NIL
27	RWY 0.172 SWY NIL	NIL	NIL	1065x150	NIL

Designations RWY NR	*Location and description of engineering material arresting SYSTEM (EMAS)*	*OFZ*	*Remarks*
1	12	13	14
01	NIL	NIL	Surface Type: RWY Strip: Unpaved, RESA Long Slope: 0.773%, RESA Trans Slope: 1%
19	NIL	NIL	Surface Type of RWY Strip: Unpaved RESA Long Slope: 1.854% RESA Trans Slope: 1.7%
09	NIL	NIL	Surface Type of RWY Strip: Graded Unpaved
27	NIL	NIL	Surface Type of RWY Strip: Graded Unpaved

FYWE AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
01	1983	2101	2101	1865	NIL
19	1983	2131	2131	1835	NIL
09	1005	1005	1005	1005	NIL
27	1005	1005	1005	1005	NIL

FYWE AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT, LEN*	*RWY Centre line LGT length, spacing, colour, INTST*
1	**2**	**3**	**4**	**5**	**6**
01	NIL	NIL	PPL, 400/3	NIL	NIL
19	NIL	NIL	PPL, 400/3	NIL	NIL
09	NIL	NIL	NIL	NIL	NIL
27	NIL	NIL	NIL	NIL	NIL

RWY edge LGT LEN spacing colour INTST	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
7	**8**	**9**	**10**
60 M	Red/Green	NIL	Non-precision approach
60 M	Red/Green	NIL	Non-precision approach
NIL	NIL	NIL	NIL
NIL	NIL	NIL	NIL

FYWE AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	*ABN/IBN location, characteristics, and hours of operation*	NIL
2.	*LDI location and LGT* *Anemometer location and LGT*	LDI: NIL Anemometer S_N (South): Abeam Windsock and LGT 01. Anemometer N_N (North): Abeam Threshold 19 and NIL LGT.
3.	*TWY edge lights, centre line lights and stop bars (if any)*	TWY Edge: 18 blue elevated lights taxiway edge lights located on the edge of intersection delta. Centreline: NIL Stop Bars: NIL
4.	*Secondary power supply/switch-over time*	Secondary power supply to all lighting at AD Switch- over time is within 15 seconds.
5.	*Remarks*	The generator is a 3412C type, 800 KVA, 400V, 1250A, and is powered by Caterpillar.

FYWE AD 2.16 HELICOPTER LANDING AREA

1.	*Coordinates touchdown and lift-off (TLOF) or THR of final approach and take-off (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*	The helicopter operator must inform Rescue and Firefighting personnel via telephone at +264 61-2955510/1, at least 24 hours in

		advance for the provision of helipad space. **Arrival:** • All medium and heavy category helicopters arriving at FYWE must use RWY 01/19 as the Final Approach and Take-off (FATO) area. • All Small category helicopters arriving at FYWE must use taxiway as the Final Approach and Take-off (FATO) area. • Once the helicopter establishes in the hover, taxi clearance must be requested from ATC on radio frequency 118.7 MHz to hover-taxi to the Touchdown and Lift off (TLOF) area located on the apron or straight to the hangar. **Departure:** • All medium and heavy category helicopters departing from FYWE must use RWY 01/19 as the FATO. • All Small category helicopters departing from FYWE must use taxiway as the Final Approach and Take-off (FATO) area. • Once ready for lift off from the approved TLOF, the pilot must request clearance from ATC via radio frequency 118.7 MHz. • The helicopters will hover-taxi to RWY 01/19 or to the taxiway as per the ATC clearance.

FYWE AD 2.17 ATS AIRSPACE

1.	*Designation and lateral limits*	Eros CTR: Lateral Limits 223020.98S 0165816.99E – clockwise along the arc of a circle, radius 8NM centred at 223546.57S 0170439.03E – 222848.97S 0170857.20E – 224215.16S 0171112.18E – clockwise along the arc of a circle, radius 8NM centred at 223649.88S 0170449.59E – 224347.40S 0170030.99E to point of origin
2.	*Vertical limits*	GND / 7500 FT AMSL
3.	*Airspace classification*	C
4.	*ATS unit call sign* *Language(s)*	Eros Tower English
5.	*Transition altitude*	10 000 FT AMSL
6.	*Hours of applicability (or activation)*	AD Administration
7.	*Remarks*	Due to non-simultaneous operations on the manoeuvring area at FYWH. All traffic intending to depart from FYWE to FYWH are required to request for start-up clearance from FYWE ATC on 118.7 MHz.

FYWE AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
Tower	Eros Tower	118.7 MHz	Same as AD	Co-ordinates 223638.23S 0170455.20E
Approach	Windhoek Approach	120.5 MHz	H24	
ATIS	Eros ATIS	126.4 MHz	H24	Operational 50NM radius around Eros Airport on FREQ 126.4MHz or TEL +264 81 3323508

FYWE AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of Supported OPS (for VOR/ILS/ MLS give VAR)	*ID*	*Frequency*	*Hours of Operation*	*Position of transmitting antenna co-ordinates*	*Elevation of Distance Measuring Equipment (DME) transmitting antenna*	*Service volume radius from the GBAS reference point*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

FYWE AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

1.1 Hazard, Incidents and Accident Reporting

All safety hazards, incidents and accidents to be reported to FYWE fire station control room at +264 61 2955511 or the Safety & Environmental Officer on duty at +264 61 2955519/5515 or emailed to erossafety@airports.com.na.

1.2 Golf course on final APCH RWY 01

- Trees on grounds on the left to the right of APCH area.
- Boundary on golf course adjoints south BDRY of AD.

1.3 Circuit ALT:

- Turbine powered aircraft 7 000 FT ALT.
- Reciprocating engine powered aircraft 6 500 FT ALT.

1.4 Reflective jackets

All pilots and crew operating at Eros Airport must wear a lime green reflective jacket depicting their airlines concerned on the rear of the jacket for safety reasons as well as easy identification.

1.5 New Aircraft operating at Eros Airport

Aircraft operators intending to operate an aircraft for the first time at Eros Airport must apply in writing via email to Hamunyelam@airports.com.na, the Airport Manager to complete the new Aircraft Application form. Pilots may only operate the new aircraft upon approval by the Airport Manager. This assessment will also include a comparison of the aircraft ACN against the Airport airside Pavement PCN.

1.6 Airport fees administration

1.6.1 After hour operations

An applicant requiring operating outside the airport's published operational hours must apply in writing at least 48 hours in advance to the Airport Manager who after consultation with service providers will respond to the request. This excludes ambulances, emergency flights and any diversions.

1.6.2 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.

2. Taxiing to and from stands

Take-off on Runway 01/19

- Aircraft cleared to take-off on runway 01, may exit the apron and enter the parallel taxiway and taxi to intersection Alpha to threshold 01 for take-off
- Aircraft cleared to take-off on runway 19, may exit the apron and enter the parallel taxiway and taxi to intersection Echo to threshold 19 for take -off.

Take-off Runway 09/27

- Aircraft cleared to take-off on runway 09, may exit the apron and enter the parallel taxiway and taxi to main runway 01/19 and secondary runway 09/27 intersection and proceed to threshold 09 for take-off.
- Aircraft cleared to take-off on runway 27, may exit the apron and enter the parallel taxiway and taxi to main runway 01/19 and secondary runway 09/27 intersection and proceed to threshold 27 for take-off.

Landing on Runway 01/19

- Aircraft landing on runway 01 may exit the runway 01/19 via taxiway Charlie, Delta or Echo into parallel taxiway and taxi to enter the apron or hangers.
- Aircraft landing on runway 19 may exit the runway 01/19 via taxiway Charlie, secondary runways intersection, Bravo, or Alpha into parallel taxiway and taxi to enter the apron or hangers.

Landing on Runway 09/27

- Aircraft landing on runway 27 may exit runway 09/27 into the parallel taxiway and taxi to enter the apron or hangers.
- Aircraft landing on runway 27 may enter the main runway 01/19 and vacate Charlie intersection onto parallel taxiway and taxi to enter the apron or hangers.
- Aircraft landing on runway 09 may proceed and cross the main runway intersections and exit runway 09/27 into the parallel taxiway and taxi to enter the apron or hangers.

3. Securing of light aircraft

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 FYWE, Aircraft mooring weights available:

2 x 35KG pairs;

2 x 50KG pairs;

1 x 70KG pair; and

1 x mobile trolley

The mooring equipment are stored at a demarcated area located between the Apron office and Cargo Warehouse on the airside.

Pilots inform ARFF Control Room at +264 61 2955511 that they require Mooring Weights, and the ARFF control room will inform the Safety & Environmental Officer on duty.

Once the mooring weights have been used, it is the responsibility of the Aircraft Operator to return the weights to the designated storage area.

4. Parking area for helicopters

Once the helicopter enters the apron, ATC will instruct the pilot to follow the direction of the Aircraft Marshallers to an allocated parking position on the apron.

5. Aircraft taxiing to the apron

Inbound Traffic:

Upon the aircraft's arrival, the ATC shall inform the Pilot in command to taxi directly to the apron and follow the instruction of the Marshaller to park the aircraft.

6. School and training flights – Technical test flights – use of runways

6.1 Windhoek Flight Training Centre.
6.2 NATA
6.3 NDF
6.4 Signa Aviation
School and training flights must only be made after permission has been obtained from ATS.

7. Helicopter Traffic - Limitation

Non-scheduled public air traffic with helicopters is permitted only after prior approval from the Eros Aerodrome Administration. Any contact concerning the above shall be made via the handling company or directly to the Airport Office during the hours of service and, if possible, not later than the day before the flight is to be carried out.

Any request for approval of traffic shall contain the following information:

a) Owner/operator

b) Type of helicopter, registration/call sign

c) Date, arrival time/departure time, destination(s).

furthermore, other details relevant to the evaluation of the request shall be given as required.

8. Removal of disabled aircraft on or adjacent to the movement area.

When an aircraft becomes disabled on or adjacent to the movement area, the owner or user of such aircraft must remove as soon as possible. If the disabled aircraft is not removed as quickly as possible by the owner or user, the airport operator shall assume the responsibility for the removal of the disabled aircraft at the cost of the aircraft operator and shall be indemnified of any damages caused pursuant to the removal of the aircraft.

FYWE AD 2.21 NOISE ABATEMENT PROCEDURES

1. Departure from RWY 01 shall maintain runway track until passing 6500 feet before a turn is made or passing the State Hospital.

2. Traffic in the Eros circuit will remain west of the western bypass (when joining downwind for RWY 01/19).

3. Simulated engine failure after take-off will be done overhead the David Hosea Meroro Road.

4. Bad weather circuits (training) will be kept to minimum and only between the hours of 08h00 (local) and 17h00 (local).

Note: Deviations from the above-mentioned procedures are allowed for separation purposes and emergencies.

FYWE AD 2.22 FLIGHT PROCEDURES

1. General

VFR aircraft approaching EROS via uncontrolled airspace shall plan to enter the CTR via the entry points and at the entry levels as published on the Visual Approach chart for Eros Airport.

2. Procedures for IFR flights within Windhoek (Eros) CTR

RNP Approach Runway 01 for NCAA approved operators only.

3. Procedures for within Eros CTR

3.1 Radar vectoring and sequencing

NIL facility.

3.2 Surveillance radar approaches

NIL facility.

3.3. Precision radar approaches

NIL facility.

4. Speed restrictions

4.1 **Speed restrictions within Eros CTR:**

- The following MAX IAS restrictions apply for arriving aircraft within the lateral and vertical confines of the Eros CTR:
- For reciprocating engine powered aircraft: MAX IAS 150KT.
- For turbine powered aircraft: MAX IAS 185KT.
- Speeds are mandatory and must be complied with.

- ATC may vary the speeds for traffic management.

4.2. **Speed restriction within the 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 speed for traffic management purposes.

FYWE AD 2.23 ADDITIONAL INFORMATION

1. All flights by night to:

Depart from RWY 01.
Landing from RWY 19

2. Bird concentrations in the vicinity of the airport

Intense activity of flocks of Guineafowls takes place daily after sunrise when birds fly from resting area (from threshold of RWY 01) across approach of runway 01 to their feeding area near the airport and before sunset the same activity as described above takes place in reverse when the birds return to their area.

Aerodrome Control (Management)will inform pilots of bird's activity through a NOTAM; therefore, pilots are advised to exercise cautions during approach, landing and taking off.

FYWE AD 2.24 CHARTS RELATED TO WINDHOEK (EROS)

ICAO Charts		
No	Chart Type	Page No
1	Aerodrome Chart-ICAO	FYWE AD 2-21
2	ATC Surveillance Minimum Altitude Chart	FYWE AD 2-23
3	ATC Surveillance Minimum Coordinates	FYWE AD 2-24
4	Visual Approach Chart - ICAO	FYWE AD 2-25
5	Additional Information	FYWE AD 2-26
6	VFR Route 1 Chart - ICAO	FYWE AD 2-27
7	VFR Route 2 Chart - ICAO	FYWE AD 2-29

AERODROME CHART

22°36'32.00"S
17°04'44.00"E

AD ELEV 5574 FT

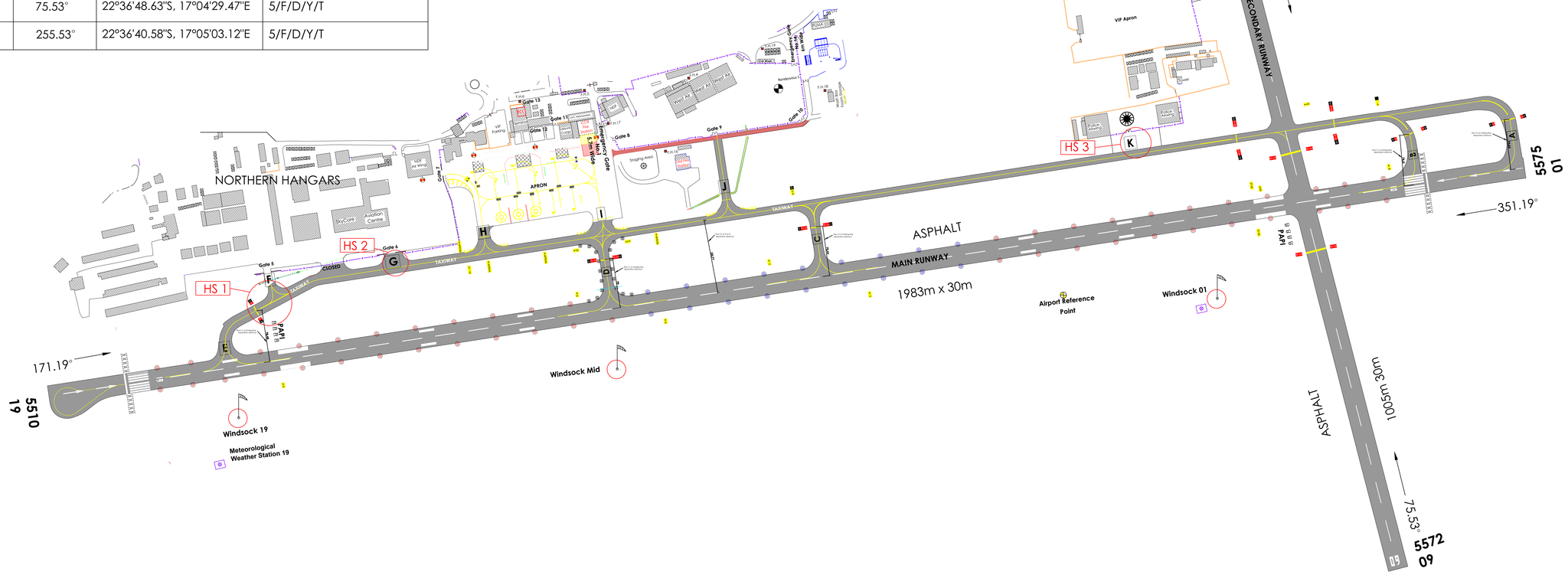
Eros Tower	118.7 MHz
Eros APP	120.5 MHz
Eros ATIS	126.4 MHZ

WINDHOEK/
EROS AIRPORT

ELEVATION IN FEET
DIMENSION IN METRES
BEARINGS ARE MAGNETIC

VAR 12°W (2016)
ANNUAL RATE OF CHANGE
0.09° DECREASING

RWY	DIRECTION	THR	BEARING STRENGTH
01	351.19°	22°36'49.89"S, 17°04'49.59"E	6/F/D/Y/T
19	171.19°	22°35'46.57"S, 17°04'39.03"E	6/F/D/Y/T
09	75.53°	22°36'48.63"S, 17°04'29.47"E	5/F/D/Y/T
27	255.53°	22°36'40.58"S, 17°05'03.12"E	5/F/D/Y/T



TAXIWAY WIDTHS 15 m asphalt
SCALE - 1:1000

LEGEND

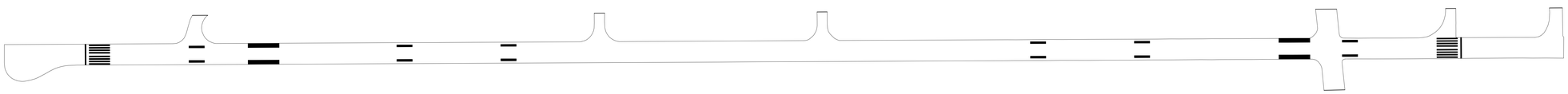
HS — Hot spots

- Windsock
- Staging Area
- Rendezvous Point
- Airport Perimeter Fence
- Airport Emergency Gates
- Meteorological Weather Station
- Buildings
- ECC Building
- Foam Refilling
- Difficult Terrain
- Erf Boundary
- Apron Restricted Area - Plane
- Apron Restricted Area - Vehicles
- Aerodrome Reference Point
- Main Runway
- Taxiway
- C 01-19 — Sign Board

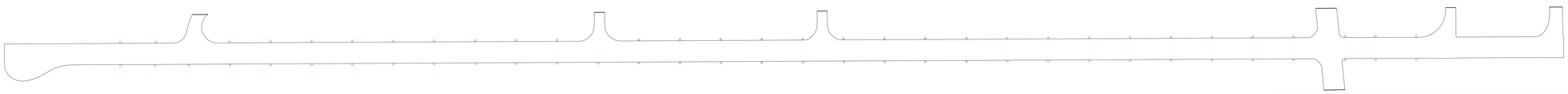
LIGHTS

- RUNWAY EDGE LIGHTS Y/W
- RUNWAY EDGE LIGHTS W
- TAXIWAY EDGE LIGHTS
- APPROACH LIGHTS
- PAPI LIGHTS
- APRON FLOOD LIGHTS

MARKING AIDS RWY 01/19 & EXIT TWY



LIGHTING AIDS RWY 01/19 & EXIT TWY



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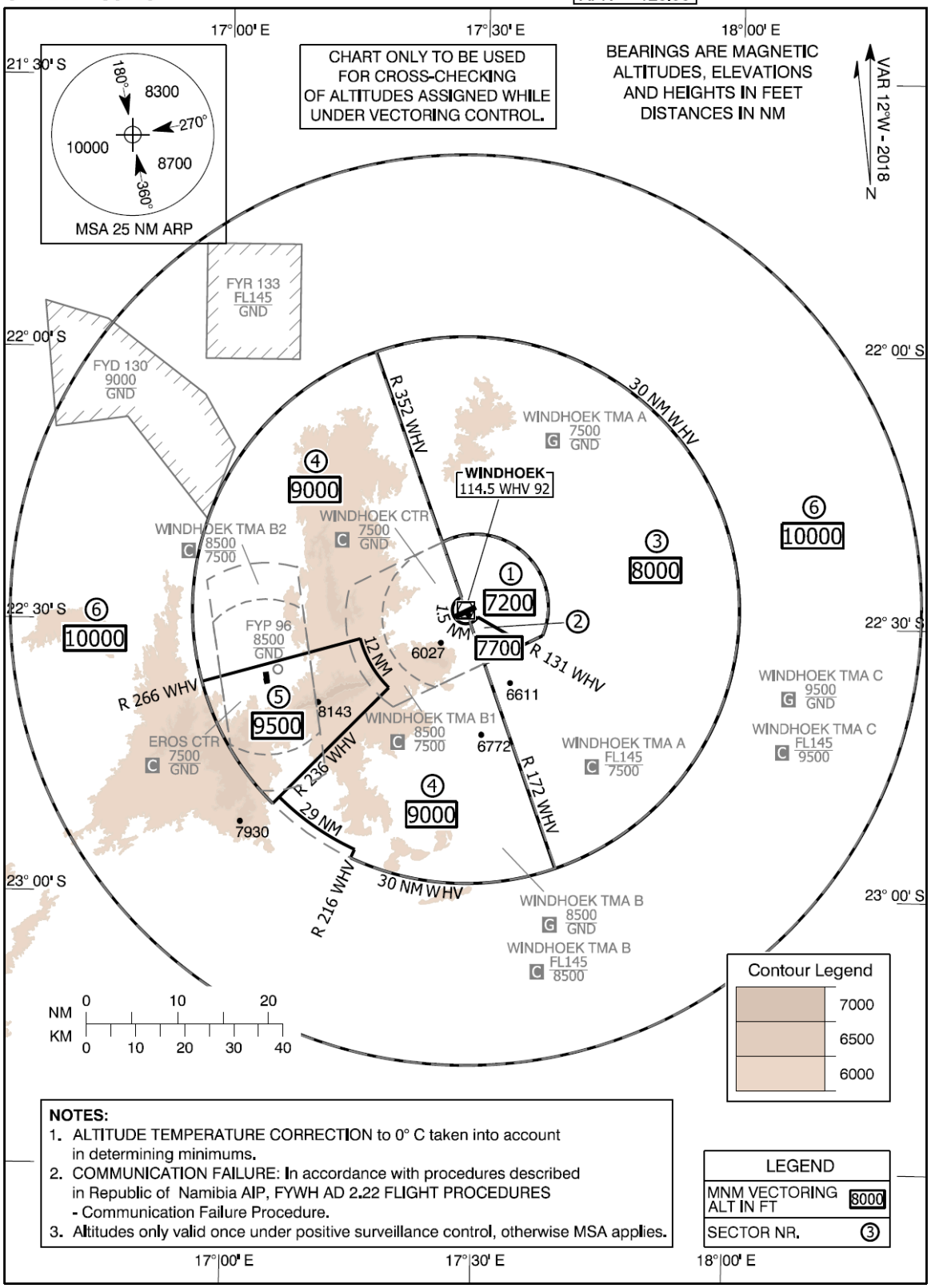
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

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

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK EROS. (FYWE)



NOTES:

1. ALTITUDE TEMPERATURE CORRECTION to 0° C taken into account in determining minimums.
2. COMMUNICATION FAILURE: In accordance with procedures described in Republic of Namibia AIP, FYWH AD 2.22 FLIGHT PROCEDURES - Communication Failure Procedure.
3. Altitudes only valid once under positive surveillance control, otherwise MSA applies.

LEGEND	
MNM VECTORING ALT IN FT	8000
SECTOR NR.	③

CHANGES: NEW

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

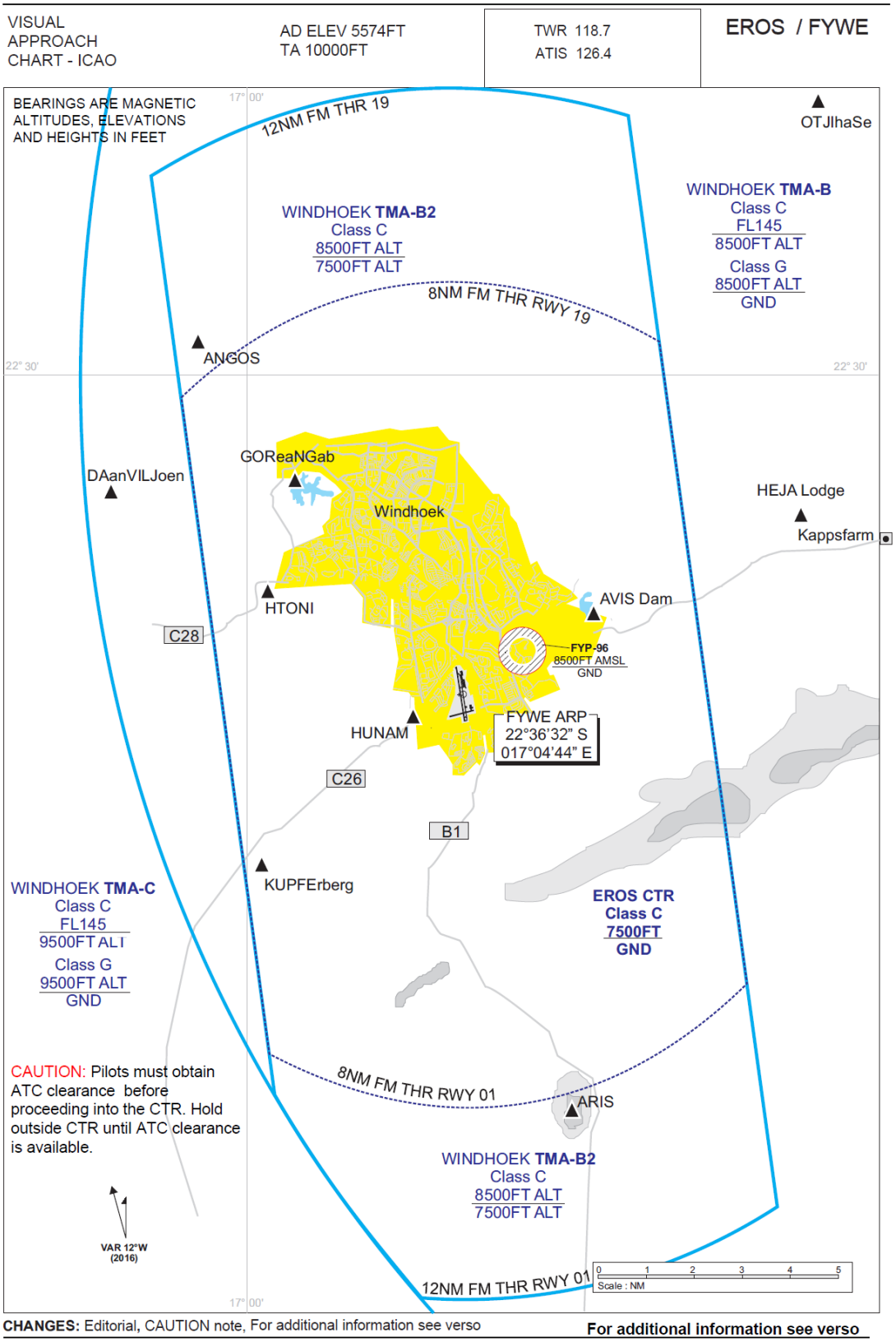
Sector 2. MNM ALT 7700 FT
22°32'16"S 017°35'17"E, 22°29'22"S 017°29'39"E,
arc 1.5 NM radius centre 22°28'39"S 017°28'14"E,
22°30'03"S 017°28'47"E, 22°34'28"S 017°30'31"E,
22°32'16"S 017°35'17"E

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 50 NM radius centre 22°28'39"S 017°28'14"E



CHANGES: Editorial, CAUTION note, For additional information see verso

For additional information see verso

VFR Point	Entry Alt	Exit Alt
GORNG	7500FT	at or below 7000FT
HTONI	7500FT	at or below 7000FT
HEJAL	ALT 7500FT	ALT 7000FT
KUPFE	8000FT	at or below 7500FT

COM failure:

1. Squawk 7600
2. Phone TWR 061-702090
3. Enter the CTR via HTONI 8000FT and continue overhead the field. Observe other traffic and transmit blind your intentions.
4. Flash LDG lights and watch TWR for optical signals

RWY	THR ELEV	VASIS
01	5575	4.3°
19	5510	3°
09	5572	NIL
27	5568	NIL

Waypoints:

ANGOS 222721.33S 0165935.90E
GORNG 223142.97S 0170031.00E
HEJAL 223210.82S 0171140.29E
KUPFE 223925.67S 0170003.35E
OTJIS 222531.68S 0171028.99E

VFR Holdings:

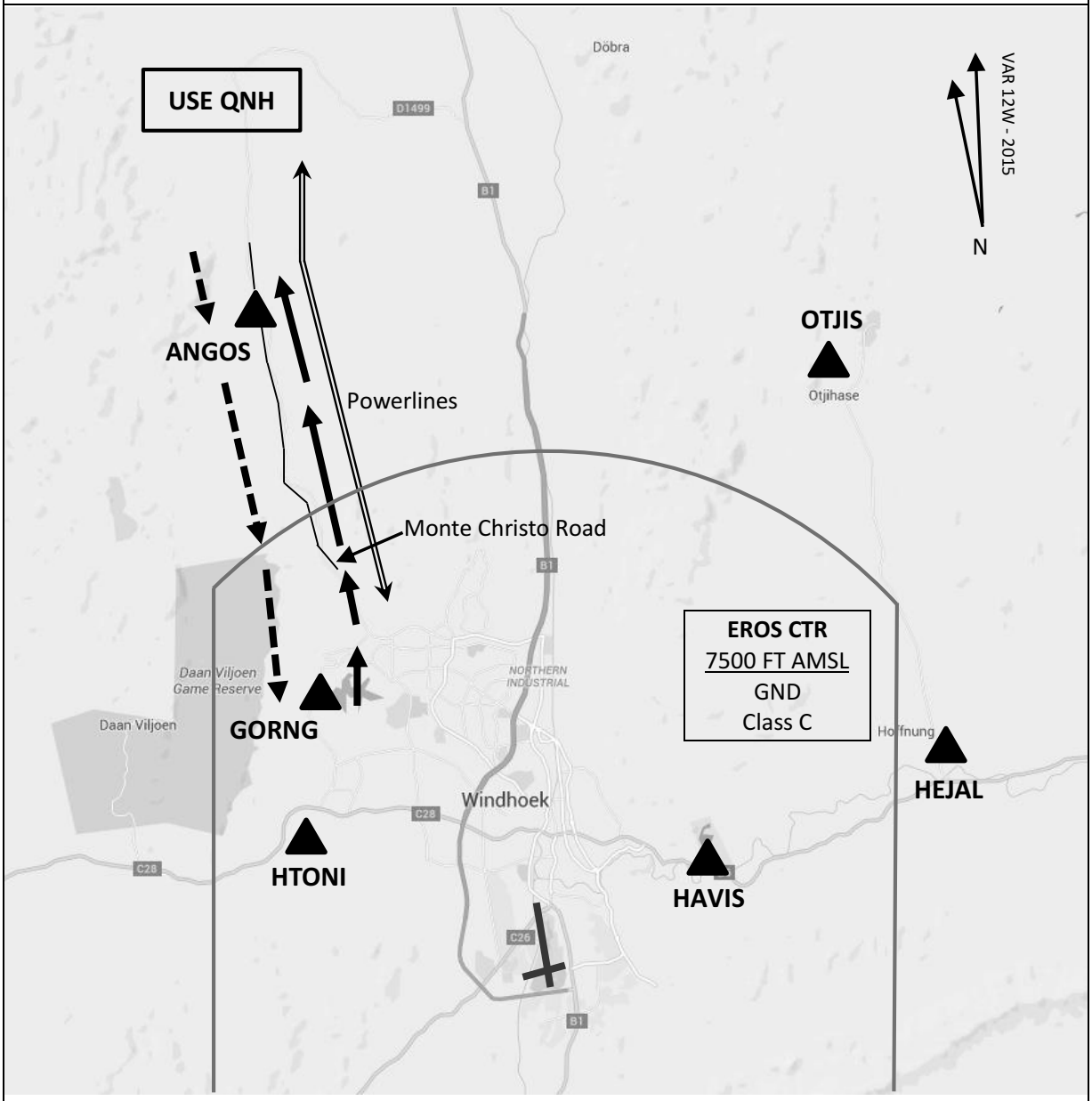
HAVIS 223425S 0170751E
HTONI 223410S 0170000E
HUNAM 223641S 0170325E

Waypoints must be spoken as follows:

ANGOS Abeam Ongos
GORNG Goreangab Dam
HEJAL Heja Lodge
KUPFE Kupferberg
OTJIS Otjihase
HTONI Toni Rust
HUNAM UNAM
HAVIS Avis Dam

NOTE: Model ACFT flying 900M East of PSN HEJAL Up to 150FT AGL. All ACFT must cross HEJAL MIN 7000FT AMSL

VFR ROUTE 1 CHART - ICAO	AD ELEV 5575FT TA 10000 AMSL	EROS TOWER 118.70	EROS (FYWE)



Entry/Exit altitudes:
CTR entry: 7500FT via ANGOS
CTR exit: at or below 7000FT via Goreangab Dam

COM failure:
1. Squawk 7600
2. Phone TWR 061-702090
3. Enter the CTR via HTONI 8000FT and continue overhead the field. Observe other traffic and transmit blind your intentions
4. Flash LDG lights and watch TWR for optical signals

Entry Procedure:
From Abeam ONGOS (ANGOS) track WEST of Monte Christo Road to WEST of Goreangab Dam Wall then as directed by ATC

CAUTION: Pilots must obtain ATC clearance before proceeding beyond ANGOS. Hold at ANGOS until ATC clearance received

Exit Procedure:
From EAST of Goreangab Dam Wall track between Monte Christo Road and the Powerlines

WAYPOINTS:
ANGOS 222721.33S 0165935.90E
HTONI 223409.79S 0170000.64E

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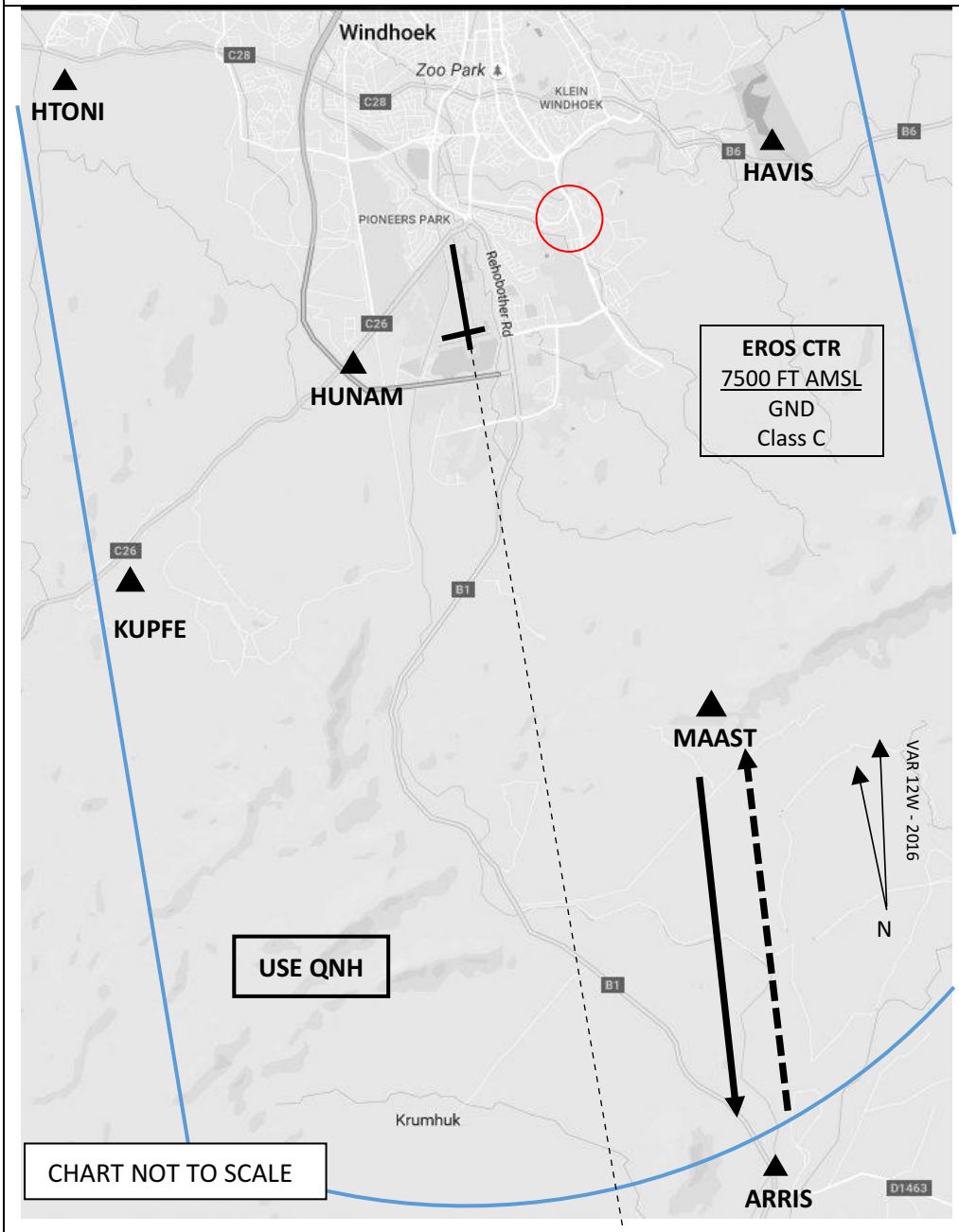
VFR ROUTE 2 CHART - ICAO	AD ELEV 5575FT TA 10000 AMSL	EROS TOWER 118.70	EROS (FYWE)



Entry/Exit altitudes:
CTR entry: 8000FT via ARRIS
CTR exit: at or below 7500FT via MAAST

COM failure:
1. Squawk 7600
2. Phone TWR 061-702090
3. Enter the CTR via VFR Route 2 8000FT. From MAAST continue overhead the field. Observe other traffic and transmit blind your intentions
4. Flash LDG lights and watch TWR for optical signals

Entry Procedure:
Track ARRIS to MAAST and as directed by ATC

CAUTION: Pilots must obtain ATC clearance before proceeding beyond ARRIS. Hold at ARRIS until ATC clearance received

Exit Procedure:
Track MAAST to ARRIS

Note:
Remain at least 1NM to the EAST of extended centerline runway 01/19 at all times

WAYPOINTS:
ARRIS 224504.38S 0170807.70E
MAAST 224027.74S 0170639.92E

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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 0172813E 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 ºC
4.	*Geiod undulation at AD ELEV PSN*	102 FT (30 M)
5.	*Magnetic (MAG) variation (VAR)/Annual change*	12º W (2025) / 0.11º 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.	*AD Administrator*	MON-SUN: 0300-1930
2.	*Customs and immigration*	As AD Administration
3.	*Health and sanitation*	As AD Administration
4.	*AIS briefing office*	NIL
5.	*ATS reporting office (ARO)*	NIL
6.	*MET briefing office*	H24
7.	*ATS*	H24
8.	*Fuelling*	As AD Administration
9.	*Handling*	As AD Administration
10.	*Security*	H24
11.	*De-icing*	NIL
12.	*Remarks*	See section AD 2.20 for Airport Regulations. AIS Briefing Office located at FYWE

FYWH AD 2.4 HANDLING SERVICES AND FACILITIES

1.	*Cargo-handling facilities*	Forklift capacity 3 tons, 2.5 tons Double Container pallets/ dolleys, Cargo Dolleys, Single container Dolleys, 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.	*Fuel/oil types*	Jet A1
3.	*Fuelling facilities/capacity*	Hydrant refueling system and Bowser of 18,000L. One truck with capacity of 18,000L with a floor of 900 litres/min
4.	*De-icing facilities*	NIL
5.	*Hangar space for visiting aircraft*	NIL
6.	*Repair facilities for visiting aircraft*	NIL
7.	*Remarks*	NIL

FYWH AD 2.5 PASSENGER FACILITIES

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

FYWH AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	*AD category for fire fighting*	CAT 9
2.	*Rescue equipment*	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.	*Capability for removal of disabled aircraft*	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.	*Remarks*	Rescue and Fire Fighting hours of operations are 24HR

FYWH AD 2.7 SEASONAL AVAILABILITY - CLEARING

1.	*Types of clearing equipment*	NIL
2.	*Clearance priorities*	NIL
3.	*Remarks*	NIL

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

1.	*Apron designation, surface, and strength*	Surface: Asphalt Strength: PCN 100/F/B/W/T Surface: Concrete Strength: PCN 65/R/B/W/T Surface: Interlocks Strength: PCN NIL Info available
2.	*Taxiway designation, width, surface, and strength*	Taxiway: Parallel Taxiway Width: 23 M Surface: Asphalt Strength: PCN 65/F/B/W/T TWY Intersection A, Width 23 M, Asphalt, PCN 65/F/B/W/T TWY Intersection B, Width 23 M, Asphalt, PCN 65/F/B/W/T TWY Intersection C, Width 23 M, Asphalt, PCN 65/F/B/W/T TWY Intersection D, Width 23 M, Asphalt, PCN 65/F/B/W/T TWY Intersection E, Width 23 M, Asphalt, PCN 65/F/B/W/T TWY Intersection F, Width 23 M, Asphalt, PCN 65/F/B/W/T
3.	*Altimeter checkpoint location and elevation*	NIL
4.	*VHF omnidirectional radio range (VOR) checkpoints*	Elevation: 5616 FT Location: At Holding Point Bravo 114.5 MHz
5.	*INS checkpoints*	NIL
6.	*Remarks*	NIL

FYWH AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	*Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands*	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.	*RWY and TWY markings and LGT RWY markings:*	RWY markings: Designation, Threshold, Touch Down Zone, Aiming Points, Side-Stripe markings, Centre line. RWY LGT: Runway Edge Lights, Threshold Lights, Approach Lights, Runway End Lights. TWY markings: Taxiway edge marking, Centre line and Holding Positions at all TWY/RWY intersections marked. TWY LGT: Taxiway Edge Lights.
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(M)*	*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 34	Equipment	222859.02S 0172822.02E	5587	Marked LGT	NIL

In Area 2b					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*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

In Area 2c					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT (FT)*	*Markings / Type, Colour, lighting (LGT)*	*Remarks*
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*	Windhoek 9, 18 HR
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.)*	NIL

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 (PCN) 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	063.63º	4569 x 45	76/F/B/W/T Asphalt NIL SWY	THR / RWY end 222923.08S 0172658.43E GUND 102 FT	THR 5641 FT TDZ 5635 FT
26	243.63º	4569 x 45	76/F/B/W/T Asphalt NIL SWY	THR 222817.12S 0172921.61E RWY end 222817.12S 0172921.59E GUND 102 FT	THR 5501 FT TDZ 5529 FT
16	141.16º	1523 x 30	100/F/B/W/T Asphalt NIL SWY	THR coordinates 222839.65S 0172808.58E RWY end coordinates 222839.65S 0172808.58E GUND 102 FT	THR 5574 FT
34	321.16º	1523 x 30	100/F/B/W/T Asphalt NIL SWY	THR / RWY end 222918.22S 0172841.99E GUND 102 FT	THR 5565 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
16	RWY-0.2 % SWY NIL	NIL	120	1643 x 150	240 x 120
34	RWY-0.2 % SWY NIL	NIL	120	1643 x 150	240 x 120

Designation RWY NR	*Location and description of engineering material arresting system (EMAS)*	*OFZ*	*Remarks*
1	12	13	14
08	NIL	NIL	NIL
26	NIL	NIL	NIL
16	NIL	NIL	NIL
34	NIL	NIL	NIL

FYWH AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA(M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
08	4569	4734	4569	4569	NIL
26	4569	4689	4569	4569	NIL
16	1523	1643	1523	1523	NIL
34	1523	1643	1523	1523	NIL

FYWH AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT, LEN*	*RWY Centre line LGT length, spacing, colour, INTST*
1	**2**	**3**	**4**	**5**	**6**
08	SALS, 420 M, LIH	Green	PAPI 3°	NIL	NIL
26	PALS, 900 M, LIH	Green	PAPI 3°	NIL	NIL
16	LIH	Green	NIL	NIL	NIL
34	LIH	Green	PAPI 3°	NIL	NIL

RWY edge LGT LEN, spacing colour INTST	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
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	PAPI RWY 34 U/S
1525 M/57.50 M, White/LIH	Red	NIL	NIL

FYWH AD 2.15 Other lighting, secondary power supply

1.	*ABN/IBN location, characteristics and hours of operation*	700 M South of THR RWY 08 ABN FLG G/W 24 HR
2.	*LDI location and LGT* *Anemometer location and LGT*	LDI: NIL Anemometer: 75 M W of THR RWY 34, lighted.
3.	*TWY edge and centre line lights and stop bars (if any)*	Edge: All TWY Centre line: NIL
4.	*Secondary power supply/switch-over time*	Secondary power to all essential loads Switch-over time +15 seconds
5.	*Remarks*	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, strength, marking	NIL
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.	*Designation and lateral limits*	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.	*Vertical limits*	SFC to 7500FT AMSL
3.	*Airspace classification*	C
4.	*ATS unit call sign* *Language(s)*	Windhoek Tower English
5.	*Transition altitude*	10 000 FT MSL
6.	*Remarks*	1. Speed restrictions apply within Windhoek TMA. Refer FYWH AD 2.22 Flight Procedures 2. Use FYWH QNH within lateral confines of Windhoek TMA at and below 10 000 FT AMSL. Refer ENR 2.1-3 Note 2 3. 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

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
APP	Windhoek Approach	120.5 MHz	H24	NIL
TWR	Windhoek Tower	118.1 MHz	H24	NIL

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	**2**	**3**	**4**	**5**
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	3º, 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$10,904 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 16: follow parallel taxiway via Delta exit to apron.
From runway 34: 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 16/34 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

Due to insufficient Safety Distance between the main runway and parallel taxiway centreline the simultaneous movement of aircraft is allowed as follows:

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

AERODROME CHART - ICAO

22°28'52.32"S
17°28'13.80"E

ELEV 5643 FT

WINDHOEK TWR	118.1
WINDHOEK APP	120.5
WINDHOEK ATIS	126.2

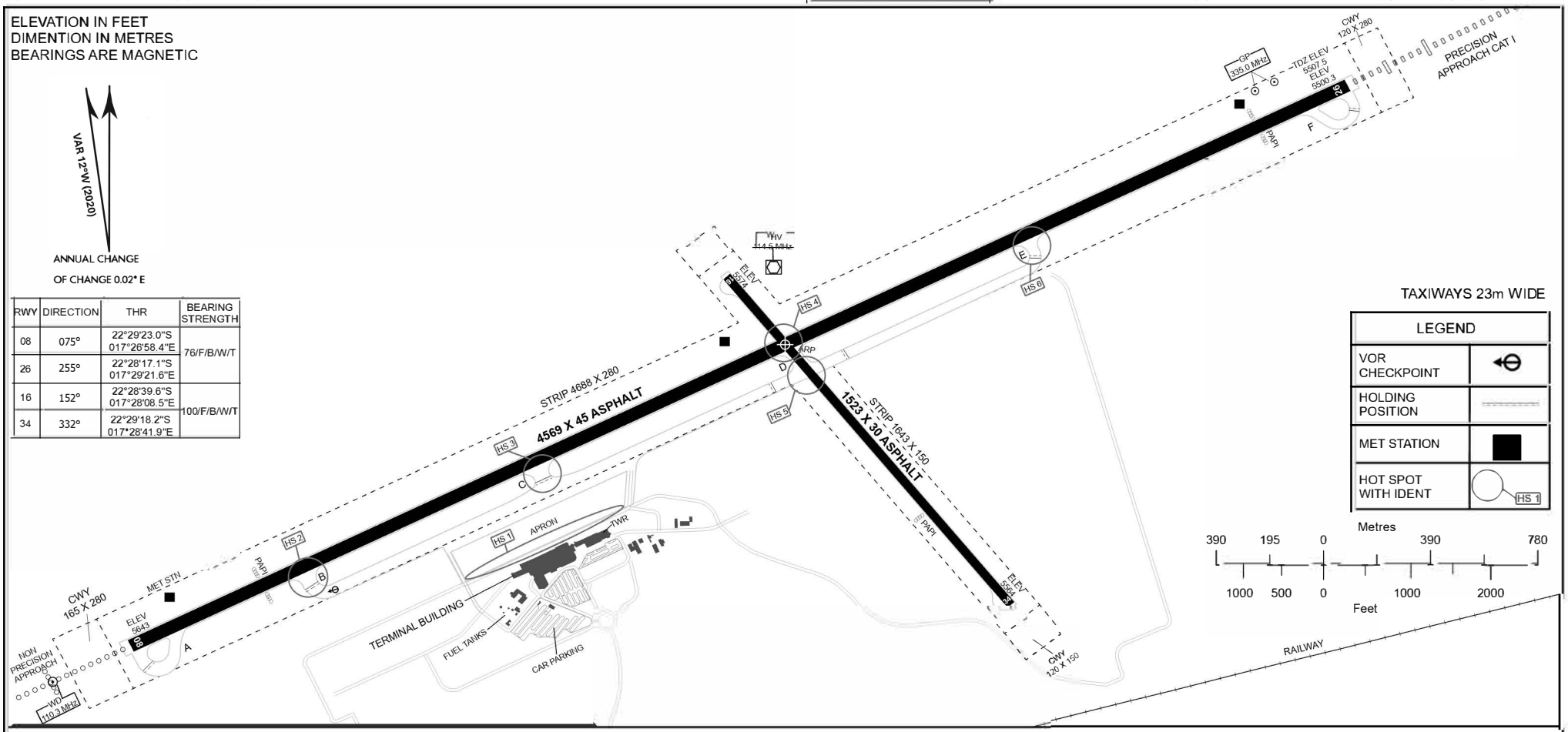
WINDHOEK/
HOSEA KUTAKO INTERNATIONAL AIRPORT

ELEVATION IN FEET
DIMENTION IN METRES
BEARINGS ARE MAGNETIC

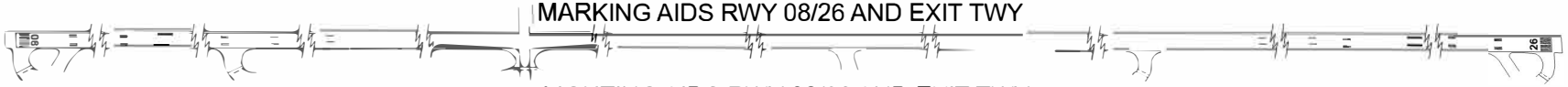
VAR 12°W (2020)

ANNUAL CHANGE
OF CHANGE 0.02° E

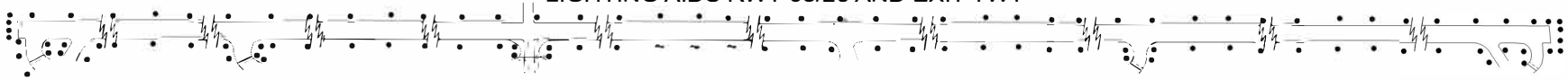
RWY	DIRECTION	THR	BEARING STRENGTH
08	075°	22°29'23.0"S 017°26'58.4"E	76/F/B/W/T
26	255°	22°28'17.1"S 017°29'21.6"E	
16	152°	22°28'39.6"S 017°28'08.5"E	100/F/B/W/T
34	332°	22°29'18.2"S 017°28'41.9"E	



MARKING AIDS RWY 08/26 AND EXIT TWY



LIGHTING AIDS RWY 08/26 AND EXIT TWY



MARKING AIDS RWY 16/34 AND EXIT TWY

LIGHTING AIDS RWY 16/34 AND EXIT TWY

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Area Chart – ICAO (Reserved)

INTENTIONALLY LEFT BLANK

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

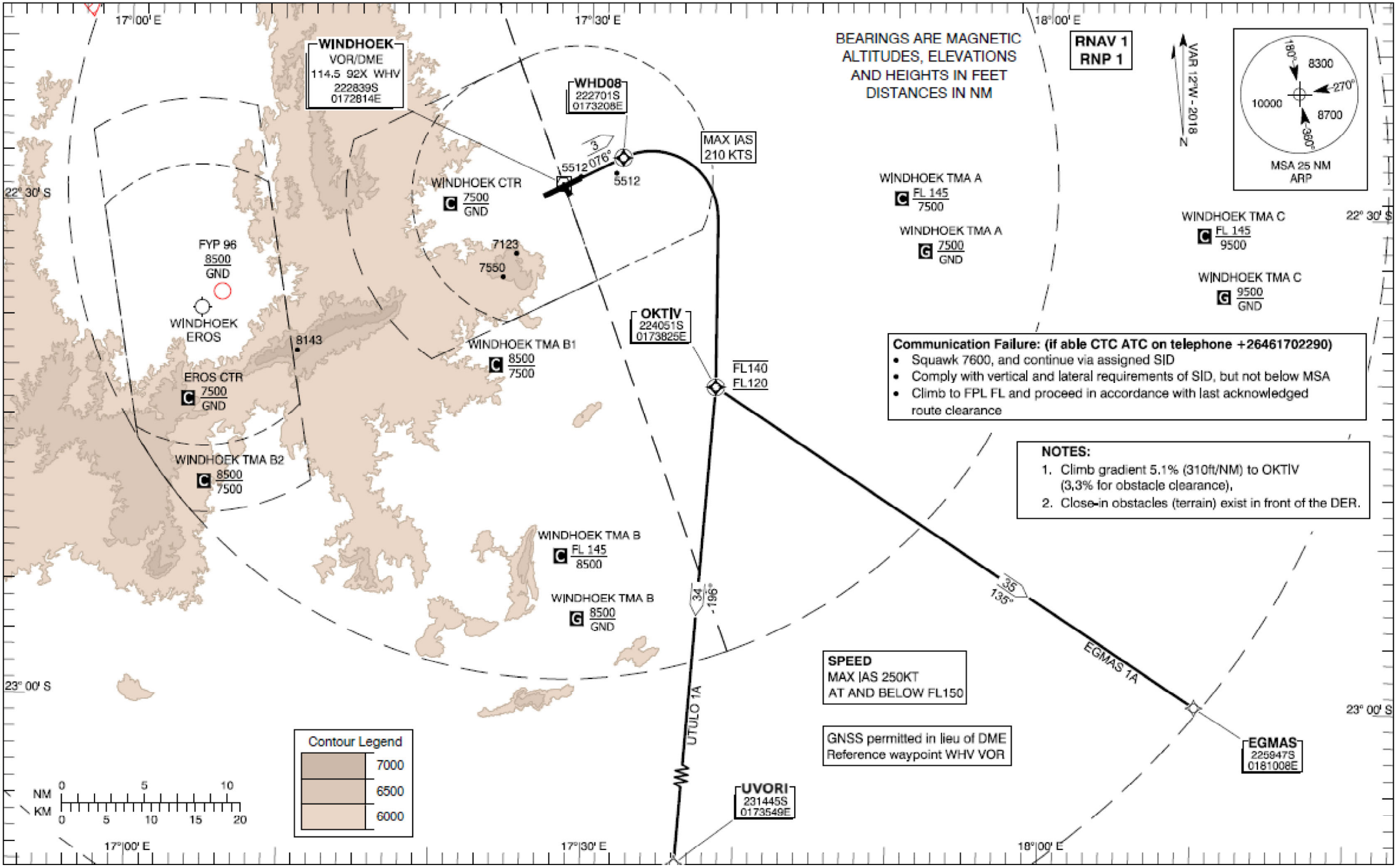
TRANSITION ALTITUDE
10000 FT

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - Hosea Kutako/Intl. (FYWH)
RWY 08
JET ONLY

EGMAS 1A, UVORI 1A

CHANGES: UTULO CHANGED TO UVORI



EGMAS 1A DEPARTURE RWY 08

- Track 076° to WHD08
- After passing WHD08 turn RIGHT track DCT to OKTIV [MAX IAS 210KT in turn]
- CROSS OKTIV BTN FL120 and FL140
- After passing OKTIV turn LEFT track 135° to EGMAS thence as cleared

UVORI 1A DEPARTURE RWY 08

- Track 076° to WHD08
- After passing WHD08 turn RIGHT track DCT to OKTIV [MAX IAS 210KT in turn]
- CROSS OKTIV BTN FL120 and FL140
- After passing OKTIV track 196° to UVORI thence as cleared

SUGGESTED DATABASE CODING

EGMAS 1A

Navigational performance	P/T	**WPT Name**	**Latitude / Longitude**	**Fly-By or Fly-Over**	**True track (°) / Magnetic track (°)**	**Distance (nm)**	**Upper limit (FL/ft) / Lower limit (FL/ ft)**	**Speed (kts)**	Remarks
RNAV 1	CF	WHD08	222700.50S / 0173207.78E	Fly-Over	063.6 / 076	-	-	210	R078 D4.0 WHV
RNAV 1	DF	OKTIV	224050.95S / 0173825.15E	Fly-Over	-	-	FL140 / FL120	250	R
RNAV 1	TF	EGMAS	225947.23S / 0181007.55E	Fly-By	122.9 / 135	34.8	-	-	-

UVORI 1A

Navigational performance	P/T	WPT Name	**Latitude / Longitude**	**Fly-By or Fly-Over**	**True track (°) / Magnetic track (°)**	**Distance (nm)**	**Upper limit (FL/ft) / Lower limit (FL/ ft)**	**Speed (kts)**	**Remarks**
RNAV 1	CF	WHD08	222700.50S / 0173207.78E	Fly-Over	063.6 / 076	-	-	210	R078 D4.0 WHV
RNAV 1	DF	OKTIV	224050.95S / 0173825.15E	Fly-Over	-	-	FL140 / FL120	250	R
RNAV 1	TF	UVORI	231445.05S / 0173549.05E	Fly-By	184.1 / 196	33.9	-	-	-

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10000 FT

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

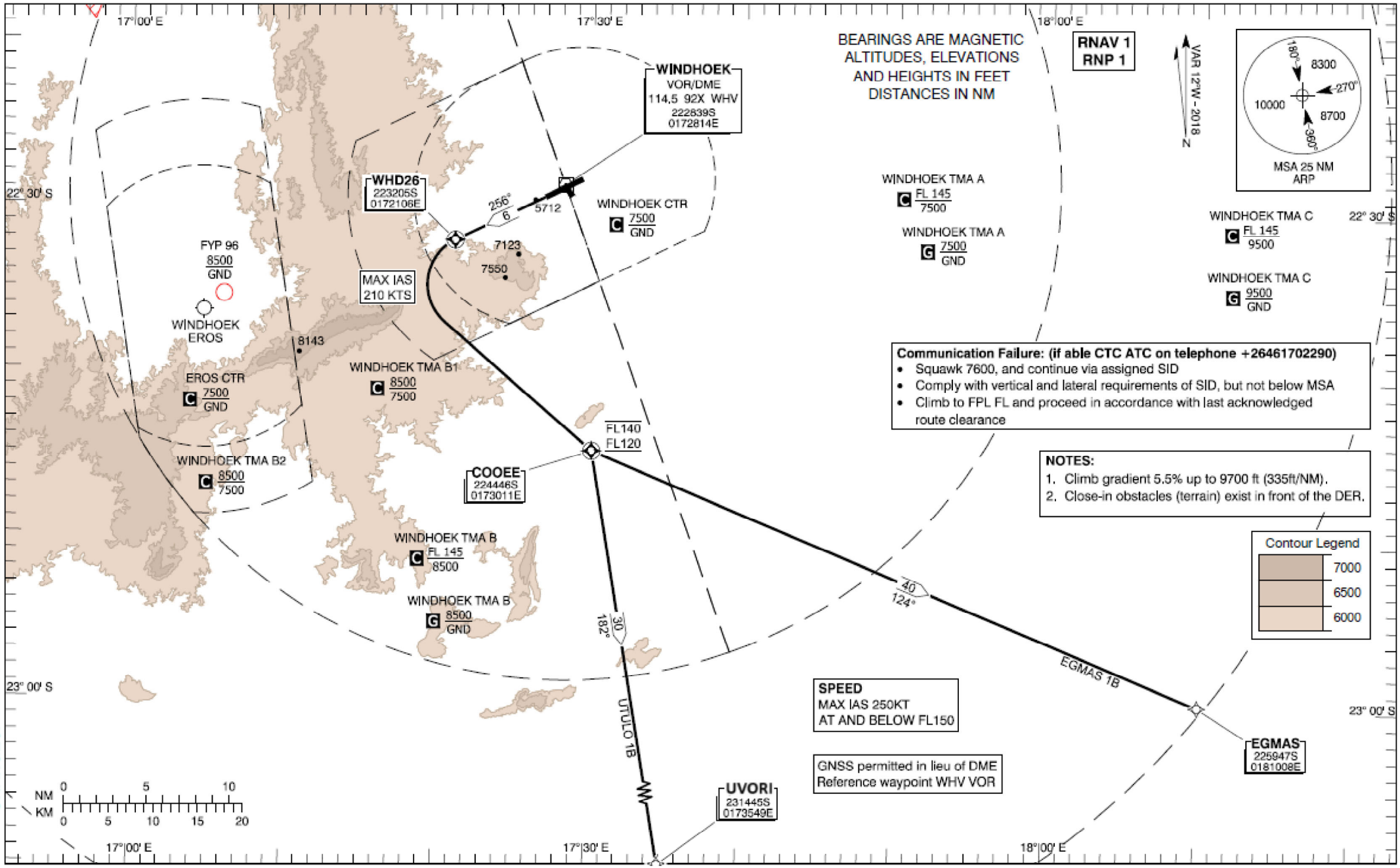
WINDHOEK - Hosea Kutako/Intl. (FYWH)

JET ONLY

RWY 26

EGMAS 1B, UVORI 1B

CHANGES: UTULO CHANGED TO UVORI



EGMAS 1B DEPARTURE RWY 26

- Track 256° to WHD26
- After passing WHD26 turn LEFT track DCT to COOEE [MAX IAS 210KT in turn]
- CROSS COOEE BTN FL120 and FL140
- After passing COOEE track 124° to EGMAS thence as cleared

U**VORI** 1B DEPARTURE RWY 26

- Track 256° to WHD26
- After passing WHD26 turn LEFT track DCT to COOEE [MAX IAS 210KT in turn]
- CROSS COOEE BTN FL120 and FL140
- After passing COOEE turn RIGHT track 182° to UVORI thence as cleared

SUGGESTED DATABASE CODING

EGMAS 1B

Navigational performance	P/T	**WPT Name**	**Latitude / Longitude**	**Fly-By or Fly-Over**	**True track (°) / Magnetic track (°)**	**Distance (nm)**	**Upper limit (FL/ft) / Lower limit (FL/ ft)**	**Speed (kts)**	Remarks
RNAV 1	CF	WHD26	223205.08S / 0172106.26E	Fly-Over	243.6 / 256	6.0	-	210	R255 / D7.4 WHV
RNAV 1	DF	COOEE	224446.40S / 0173010.99E	Fly-Over	-	-	FL140 / FL120	250	L
RNAV 1	TF	EGMAS	225947.23S / 0181007.55E	Fly-By	112.2 / 124	39.8	-	-	-

U**VORI** 1B

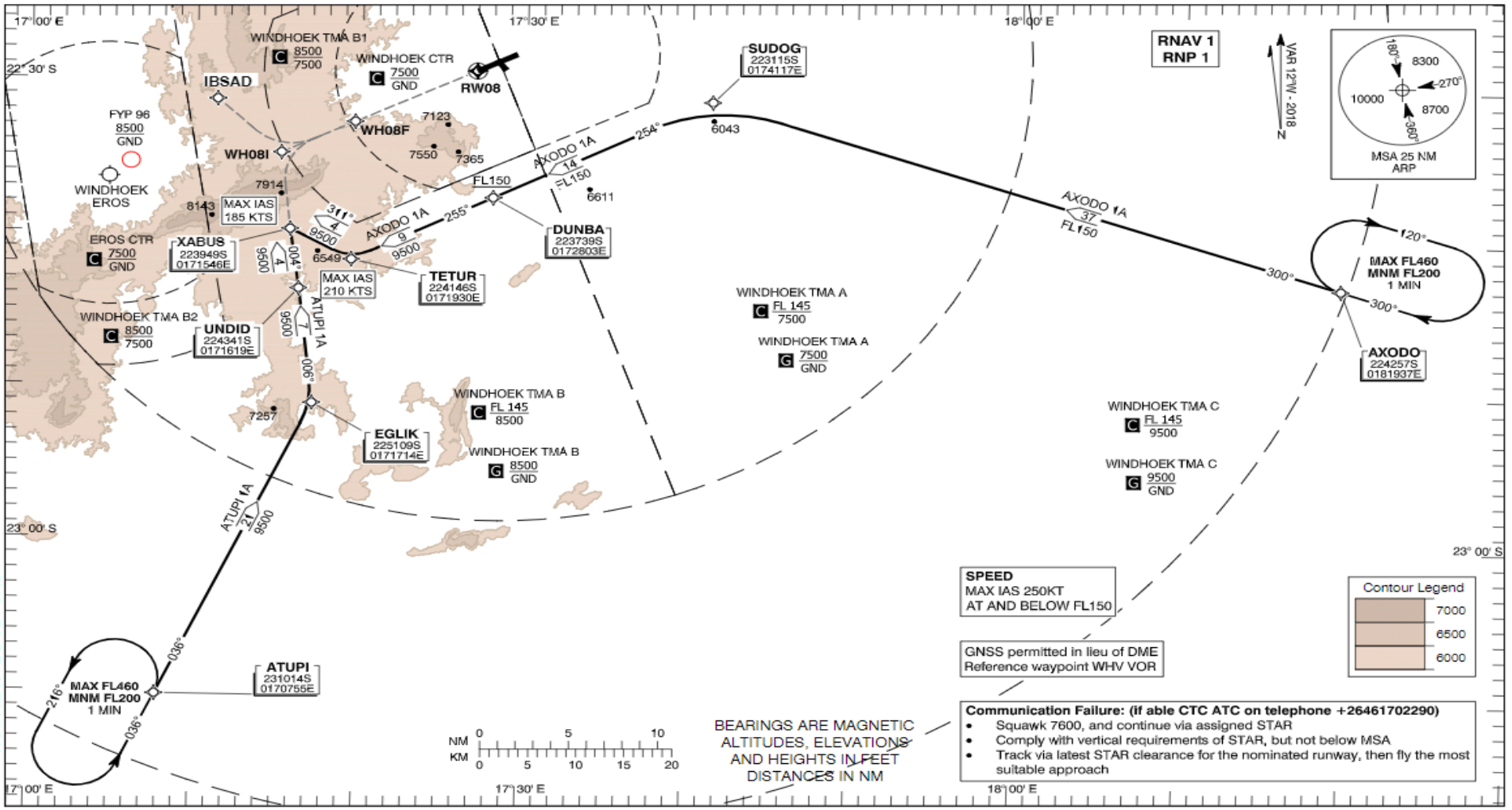
Navigational performance	P/T	WPT Name	**Latitude / Longitude**	**Fly-By or Fly-Over**	**True track (°) / Magnetic track (°)**	**Distance (nm)**	**Upper limit (FL/ft) / Lower limit (FL/ ft)**	**Speed (kts)**	**Remarks**
RNAV 1	CF	WHD26	223205.08S / 0172106.26E	Fly-Over	243.6 / 256	6.0	-	210	R255 / D7.4 WHV
RNAV 1	DF	COOEE	224446.40S / 0173010.99E	Fly-Over	-	-	FL140 / FL120	250	L
RNAV 1	TF	UVORI	231445.05S / 0173549.05E	Fly-By	170.1 / 182	30.3	-	-	-

STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10000 FT

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - Hosea Kutako/Intl. (FYWH)
JET ONLY
RWY 08
ATUPI 1A, AXODO 1A



ATUPI 1A RWY 08

- From ATUPI track 035° to EGLIK
- From EGLIK track 006° to UNDID. MAX IAS 210KT from UNDID
  From UNDID track 004° to OLLIE for RNP or VSA RWY 08 approach. MAX IAS 185KT from OLLIE

AXODO 1A RWY 08

- From AXODO track 300° to SUDOG
- From SUDOG track 254° to DUNBA. CROSS DUNBA AT OR ABV FL150
- From DUNBA track 255° to TETUR. MAX IAS 210KT from TETUR
- From TETUR track 299° to OLLIE for RNP or VSA RWY 08 approach. MAX IAS 185KT from OLLIE

SUGGESTED DATABASE CODING

ATUPI 1A

Navigational performance	P/T	WPT Name	Latitude / Longitude	Fly-By or Fly- Over	True track (°) / Magnetic track (°)	Distance (nm)	Upper limit (FL/ft) / Lower limit (FL/ ft)	Speed (kts)	Remarks
RNAV 1	IF	ATUPI	231013.74S / 0170755.40E	Fly-By	-	-	-/FL200	-	-
RNAV 1	TF	EGLIK	225109.07S / 0171713.67E	Fly-By	024.3 / 036	20.9	-/9500	-	-
RNAV 1	TF	UNDID	224341.21S / 0171619.49E	Fly-By	353.6 / 006	7.5	-/9500	210	L
RNAV 1	TF	XABUS	223948.57S / 0171546.04E	Fly-By	352.4 / 004	3.9	-/9500	185	IAF

AXODO 1A

Navigational performance	P/T	WPT Name	Latitude / Longitude	Fly-By or Fly- Over	True track (°) / Magnetic track (°)	Distance (nm)	Upper limit (FL/ft) / Lower limit (FL/ ft)	Speed (kts)	Remarks
RNAV 1	IF	AXODO	224257.21S / 0181936.53E	Fly-By	-	-	-/ FL200	-	-
RNAV 1	TF	SUDOG	223114.95S / 0174117.37E	Fly-By	288.1 / 300	37.3	-/ FL150	-	-
RNAV 1	TF	DUNBA	223739.32S / 0172803.15E	Fly-By	242.4 / 254	13.8	-/ FL150	250	L
RNAV 1	TF	TETUR	224145.87S / 0171929.59E	Fly-By	242.6 / 255	8.9	-/ 9500	210	-
RNAV 1	TF	XABUS	223948.57S / 0171546.04E	Fly-By	299.5 / 311	4.0	-/ 9500	185	IAF

Hold Identification – ATUPI

Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspace (kts)	Maximum/ Minimum Holding Level / Altitude (FL/ft)	Outbound time (min)	Direction of turn
ATUPI	231013.74S / 0170755.40E	024.4	036	315	FL460 / FL200	1	L

Hold Identification – AXODO

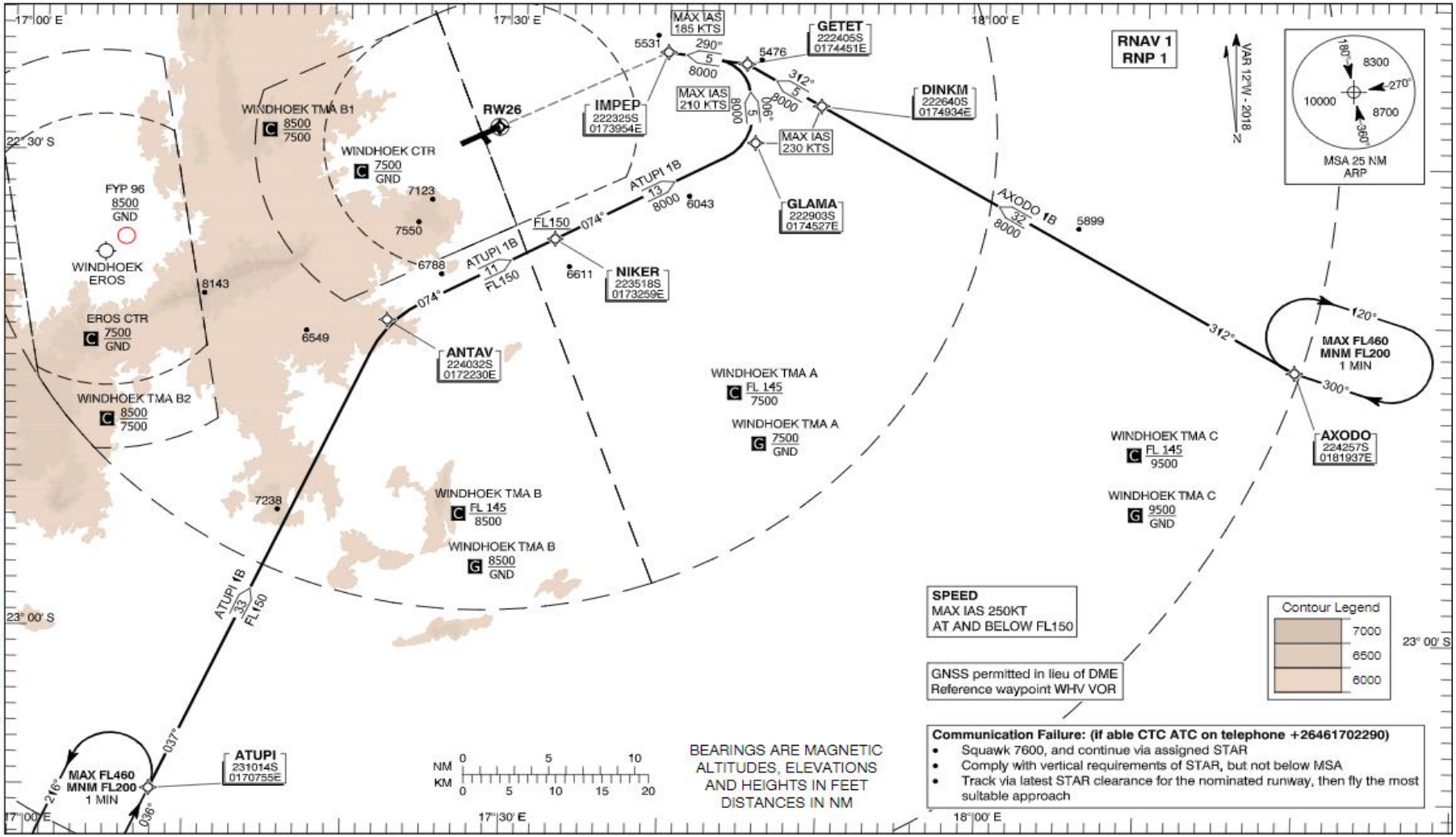
Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspace (kts)	Maximum/ Minimum Holding Level / Altitude (FL/ft)	Outbound time (min)	Direction of turn
AXODO	224257.21S / 0181936.53E	288.0	300	315	FL460 / FL200	1	R

STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10000 FT

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - Hosea Kutako/Intl. (FYWH)
RWY 26
JET ONLY
ATUPI 1B, AXODO 1B



ATUPI 1B RWY 26

- From ATUPI track 037° to ANTAV
- From ANTAV track 074° to NIKER. CROSS NIKER AT OR ABV FL150
- From NIKER track 074° to GLAMA. MAX IAS 230KT from GLAMA
- From GLAMA track 006° to GETET. MAX IAS 210KT from GETET
- From GETET track 290° to FRITZ for ILS, LOC, or RNP RWY 26 approach. MAX IAS 185KT from FRITZ

AXODO 1B RWY 26

- From AXODO track 312° to DINKM. MAX IAS 230KT from DINKM
- From DINKM track 312° to GETET. MAX IAS 210KT from GETET
- From GETET track 290° to FRITZ for ILS, LOC, or RNP RWY 26 approach. MAX IAS 185KT from FRITZ

SUGGESTED DATABASE CODING - ATUPI 1B

Navigational performance	P/T	WPT Name	Latitude / Longitude	Fly-By or Fly- Over	True track (°) / Magnetic track (°)	Distance (nm)	Upper limit (FL/ft) / Lower limit (FL/ ft)	Speed (kts)	Remarks
RNAV 1	IF	ATUPI	231013.74S / 0170755.40E	Fly-By	-	-	-/ FL200	-	-
RNAV 1	TF	ANTAV	224032.11S / 0172229.78E	Fly-By	024.5 / 037	32.5	-/ FL150	-	-
RNAV 1	TF	NIKER	223517.77S / 0173258.90E	Fly-By	061.7 / 074	11.0	-/ FL150	250	R
RNAV 1	TF	GLAMA	222902.57S / 0174527.12E	Fly-By	061.7 / 074	13.1	-/ 8000	230	-
RNAV 1	TF	GETET	222405.06S / 0174450.72E	Fly-By	353.5 / 006	5.0	-/ 8000	210	L
RNAV 1	TF	IMPEP	222325.18S / 0173953.96E	Fly-By	278.2 / 290	4.6	-/ 8000	185	IF

AXODO 1B

Navigational performance	P/T	WPT Name	Latitude / Longitude	Fly-By or Fly- Over	True track (°) / Magnetic track (°)	Distance (nm)	Upper limit (FL/ft) / Lower limit (FL/ ft)	Speed (kts)	Remarks
RNAV 1	IF	AXODO	224257.21S / 0181936.53E	Fly-By	-	-	-/ FL200	-	-
RNAV 1	TF	DINKM	222639.90S / 0174933.71E	Fly-By	300.2 / 312	32.2	-/ 8000	230	-
RNAV 1	TF	GETET	222405.06S / 0174450.72E	Fly-By	300.5 / 312	5.1	-/ 8000	210	-
RNAV 1	TF	IMPEP	222325.18S / 0173953.96E	Fly-By	278.2 / 290	4.6	-/ 8000	185	IF

Hold Identification – ATUPI

Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspace (kts)	Maximum/ Minimum Holding Level / Altitude (FL/ft)	Outbound time (min)	Direction of turn
ATUPI	231013.74S / 0170755.40E	024.4	036	315	FL460 / FL200	1	L

Hold Identification – AXODO

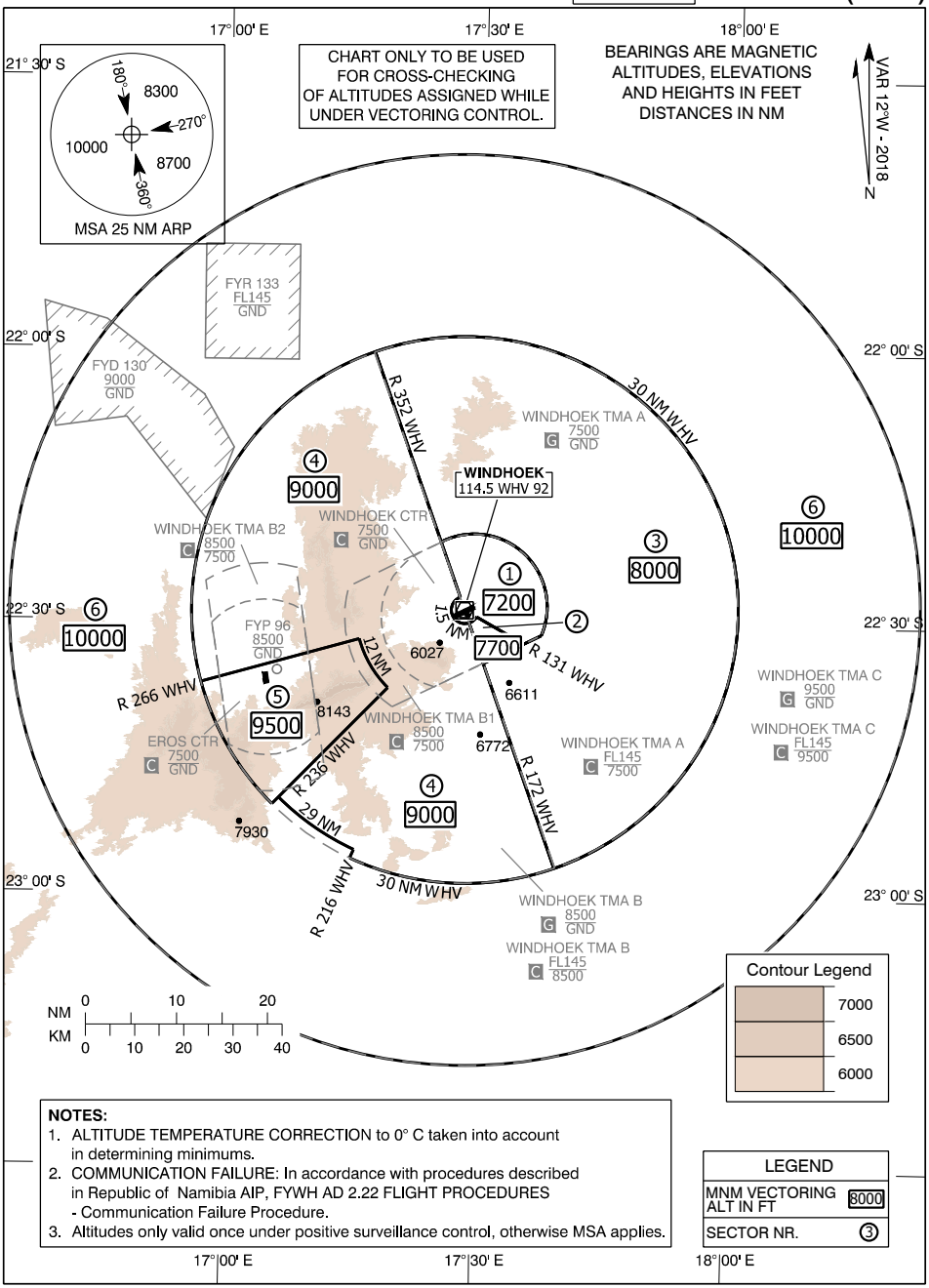
Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspace (kts)	Maximum/ Minimum Holding Level / Altitude (FL/ft)	Outbound time (min)	Direction of turn
AXODO	224257.21S / 0181936.53E	288.0	300	315	FL460 / FL200	1	R

ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

AERODROME ELEV - **5643 FT**
TRANSITION ALT - **10000 FT**

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK
Hosea Kutako/Intl.
(FYWH)



NOTES:

1. ALTITUDE TEMPERATURE CORRECTION to 0° C taken into account in determining minimums.
2. COMMUNICATION FAILURE: In accordance with procedures described in Republic of Namibia AIP, FYWH AD 2.22 FLIGHT PROCEDURES - Communication Failure Procedure.
3. Altitudes only valid once under positive surveillance control, otherwise MSA applies.

LEGEND	
MNM VECTORING ALT IN FT	8000
SECTOR NR.	③

CHANGES: CHANGED ELEVATION

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

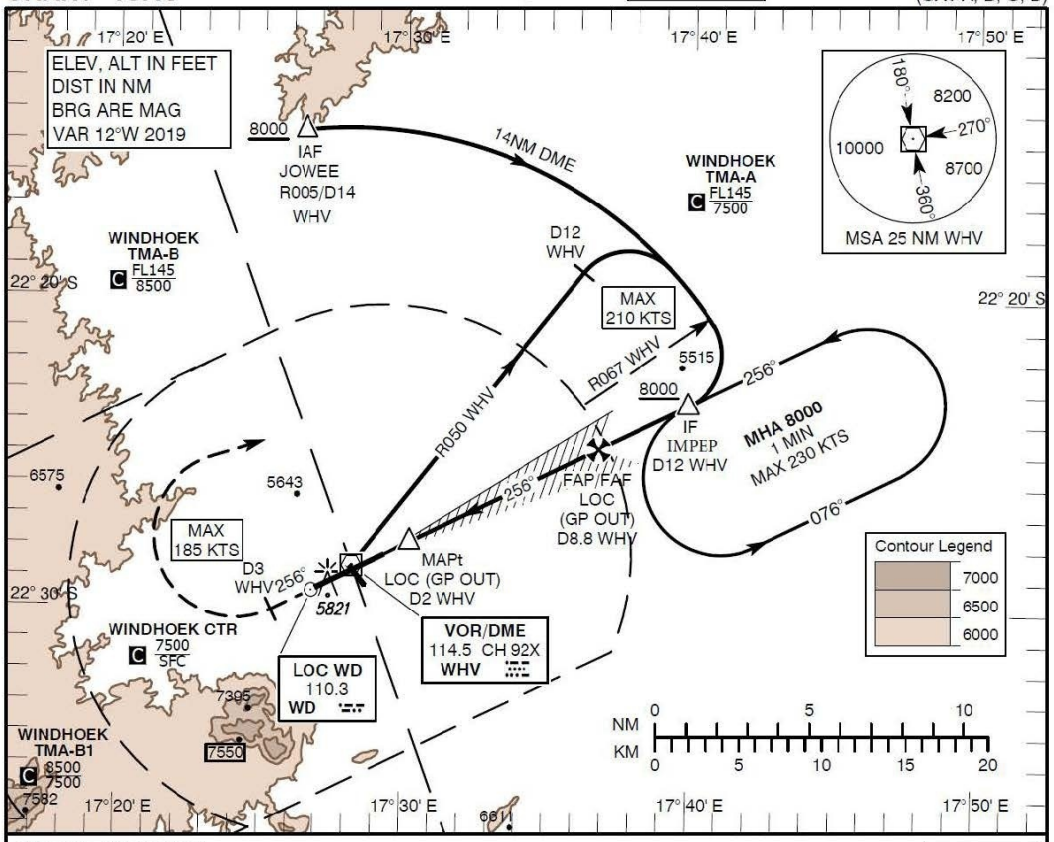
Sector 6. MNM ALT 10000 FT
22°56'07"S 017°15'01"E,
arc 30 NM radius centre 22°28'39"S 017°28'14"E,
22°50'16"S 017°05'41"E, 22°49'33"S 017°06'26"E,
arc 29 NM radius centre 22°28'39"S 017°28'14"E,
22°55'13"S 017°15'28"E, 22°56'07"S 017°15'01"E
Arc 50NM radius centre 22°28'39"S 017°28'28"E

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **5643 FT**
HEIGHT RELATED TO
THR RWY - **26** ELEV - **5500 FT**

ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

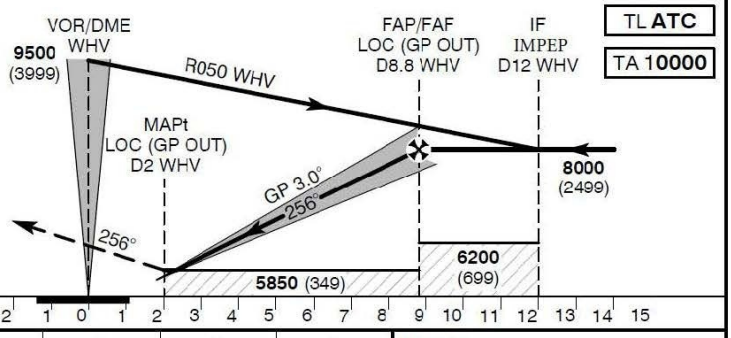
WINDHOEK (FYWH)
Hosea Kutako/Intl
ILS or LOC RWY 26
(CAT A, B, C, D)



MISSED APPROACH:
Climb straight ahead on track 256°.
At D3 WHV turn right (MAX IAS 185KTS) and intercept R050 outbound. At D12 WHV turn right (MAX IAS 210KTS) 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 8000ft.

THR ELEV **5500**

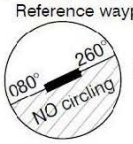
RDH 49



Aircraft CAT		A	B	C	D
OCA (H)	ILS CAT I	**5706** (205)	**5719** (218)	**5729** (228)	**5739** (238)
OCA (H)	LOC (GP OUT)	**5850** (349)			
	Circling	**6140** (499)	**6250** (609)	**6520** (879)	**6590** (949)

Dist fm WHV DME	NM	3	4	5	6	7	8
Altitude	FT	6155	6475	6795	7115	7430	7750
Ground Speed	KTS	80	100	120	140	160	
Descent Rate (3.0°)	FT/MIN	425	530	635	745	850	

NOTES:
1. Initial approach altitude WHV 9500 or higher MSA.
2. Track shortening inside IMPEP not permitted.
3. WHV DME required.
4. GNSS permitted in lieu of DME. Reference waypoint WHV VOR.



Circling to the SOUTH prohibited

CHANGES: AERODROME AND THR RWY 26 ELEVATION

ILS CAT I approach

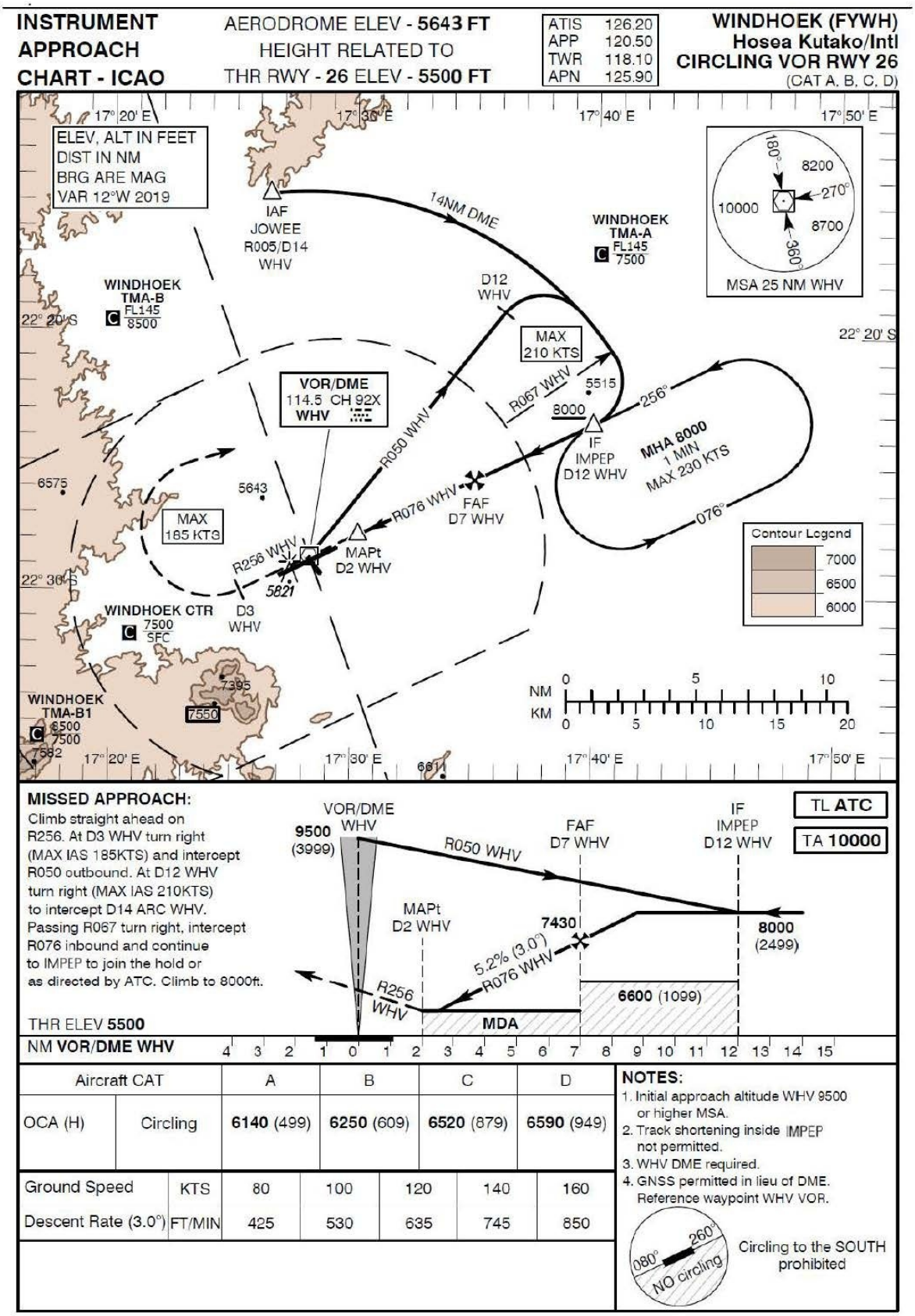
Fix	IAF JOWEE	IMPEP D12 WHV	FAF D8.8 WHV	MATP D3 WHV	MATP D12 WHV	VOR/DME WHV
Fix coordinates	221441.4S 0172627.6E	222325.2S 0173954.0E	222451.0S 0173648.5E	223006.4S 0172524.3E	221909.0S 0173612.2E	222838.5S 0172814.1E
Fix Formation Bearing °T	353.25 WHV	063.64 WD	063.65 WD	240.87 WHV	0.38.00 WHV	-
Fix Formation Distances	14.00 WHV	11.99 WHV	8.80 WHV	3.00 WHV	12.00 WHV	-

LOC only approach

Descent Angle:	3.00 °						
Fix	IAF JOWEE	IMPEP D12 WHV	FAF D8.8 WHV	MAPt D2.0 WHV	MAPt D3.0 WHV	MATP D12 WHV	VOR/DME WHV
Fix Coordinates	221441.4S 0172627.6E	222325.2S 0173954.0E	222451.0S 0173648.5E	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	063.65 WD	063.64 WD	240.87 WHV	0.38.00 WHV	-
Fix Formation Distances	14.00 WHV	11.99 WHV	8.80 WHV	2.00 WHV	3.00 WHV	12.00 WHV	-

Holding Identification – IMPEP D12 WHV

Holding Fix	Latitude /Longitude	Inbound True Track (degrees)	Inbound Magnetic Track (degrees)	Maximum Indicated Airspeed (kts)	Maximum/Minimum Holding Level / Altitude (FL/ft)	Outbound time (min)	Direction of Turn
IMPEP D12 WHV	222325.2S 0173954.0E	243.5	256	230	- / 8000	1	L



CHANGES: AERODROME AND THR RWY 26 ELEVATOIN CHANGED

VOR approach

Nominal Descent Angle:	3.00 °						
Fix	IAF JOWEE	IMPEP D12 WHV	FAF D7.0 WHV	MAPt D2.0 WHV	MATP D3 WHV	MATP D12 WHV	VOR/DMEWHV
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	0.38.00 WHV	-
Fix Formation Distances	14.00 WHV	11.99 WHV	6.99 WHV	2.04 WHV	3.00 WHV	12.00 WHV	-

Holding Identification – IMPEP D12 WHV

Holding Fix	Latitude /Longitude	Inbound True Track (degrees)	Inbound Magnetic Track (degrees)	Maximum Indicated Airspeed (kts)	Maximum/Minimum Holding Level /Altitude (FL/ft)	Outbound time (min)	Direction of Turn
IMPEP D12 WHV	222325.2S 0173954.0E	243.5	256	230	- / 8000	1	L

INSTRUMENT APPROACH CHART - ICAO

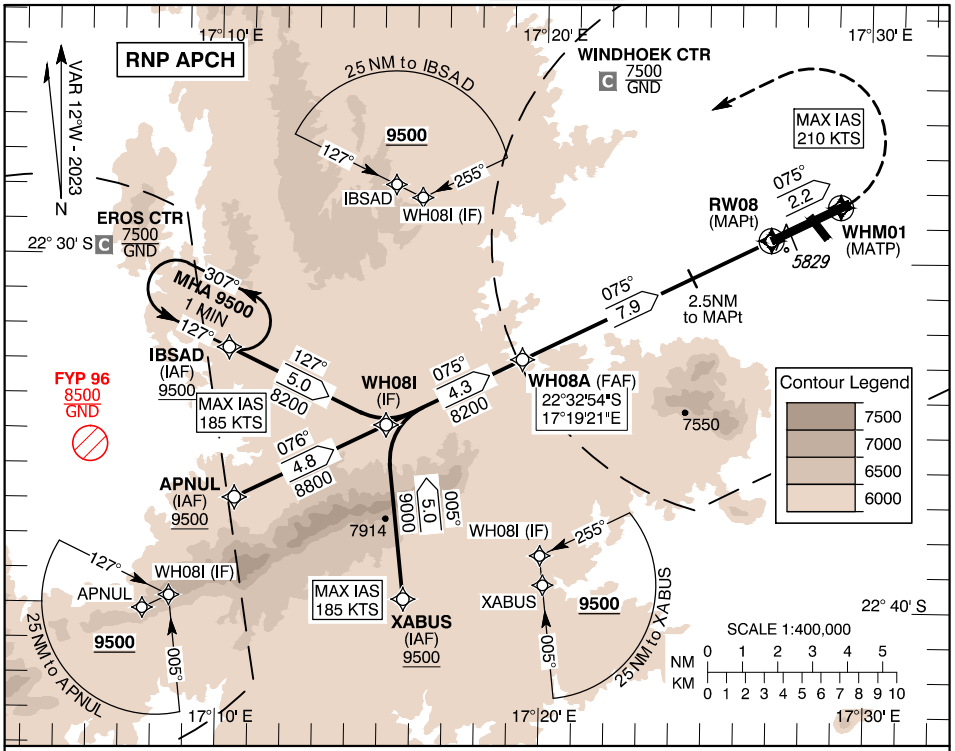
AERODROME ELEV - **5641 FT**
HEIGHT RELATED TO
THR RWY - **08** ELEV - **5642 FT**

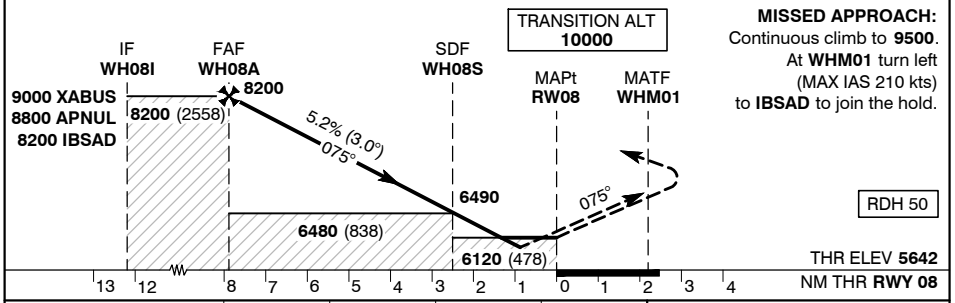
ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - Hosea Kutako/Intl.

RNP RWY 08

MNM TEMP -15°C
MAX TEMP+48°C





MISSED APPROACH:
Continuous climb to **9500**. At **WHM01** turn left (MAX IAS 210 kts) to **IBSAD** to join the hold.

Aircraft CAT		A	B	C	D
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	
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.

CHANGES: Left base initial leg, FAF OCA, Airspace, Circling, Temp restriction, Holding, RDH, Initial & FAF WPT renamed.

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

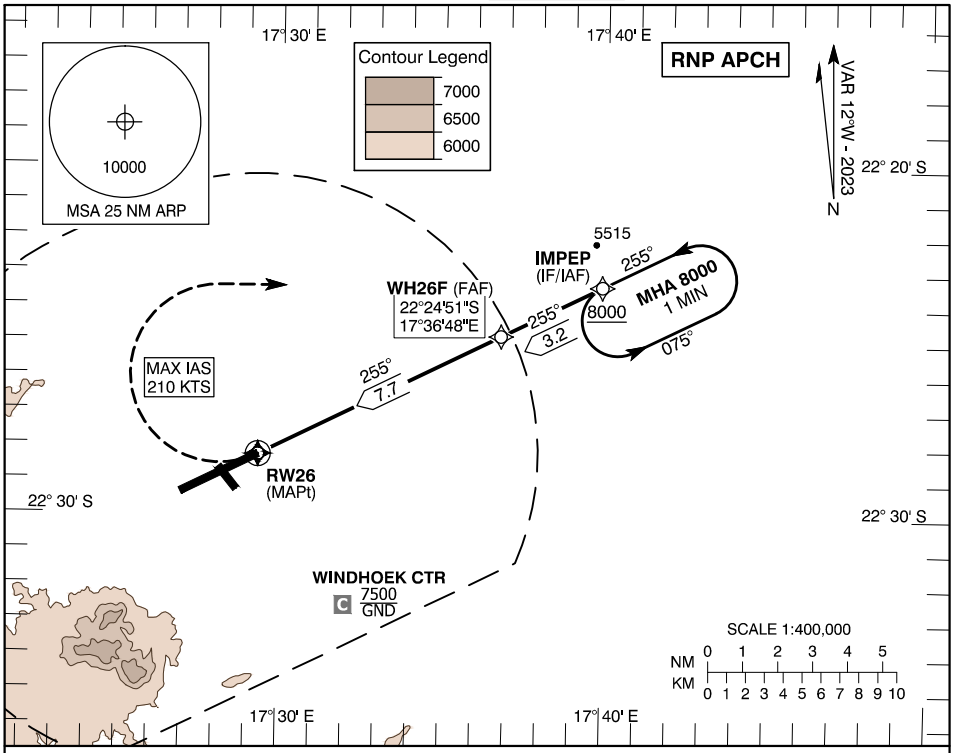
Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
IBSAD	22°32'39.16"S / 017°10'17.90"E	115.7	127	-	9500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

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV - **5641 FT**
HEIGHT RELATED TO
THR RWY - **26** ELEV - **5500 FT**

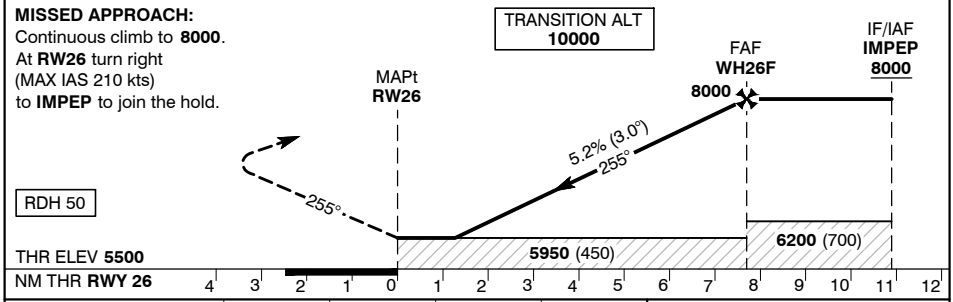
ATIS	126.20
APP	120.50
TWR	118.10
APN	125.90

WINDHOEK - Hosea Kutako/Intl. (FYWH)
RNP RWY 26
MNM TEMP -15°C
MAX TEMP+51°C



MISSED APPROACH:
Continuous climb to **8000**.
At **RW26** turn right
(MAX IAS 210 kts)
to **IMPEP** to join the hold.

TRANSITION ALT
10000



Aircraft CAT		A	B	C	D
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		

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.

CHANGES: TAA, MAX temp, MSA, Circling, Bearings, Temp restriction, RDH, BNAV minimums, Notes, Initial WPT renamed.

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

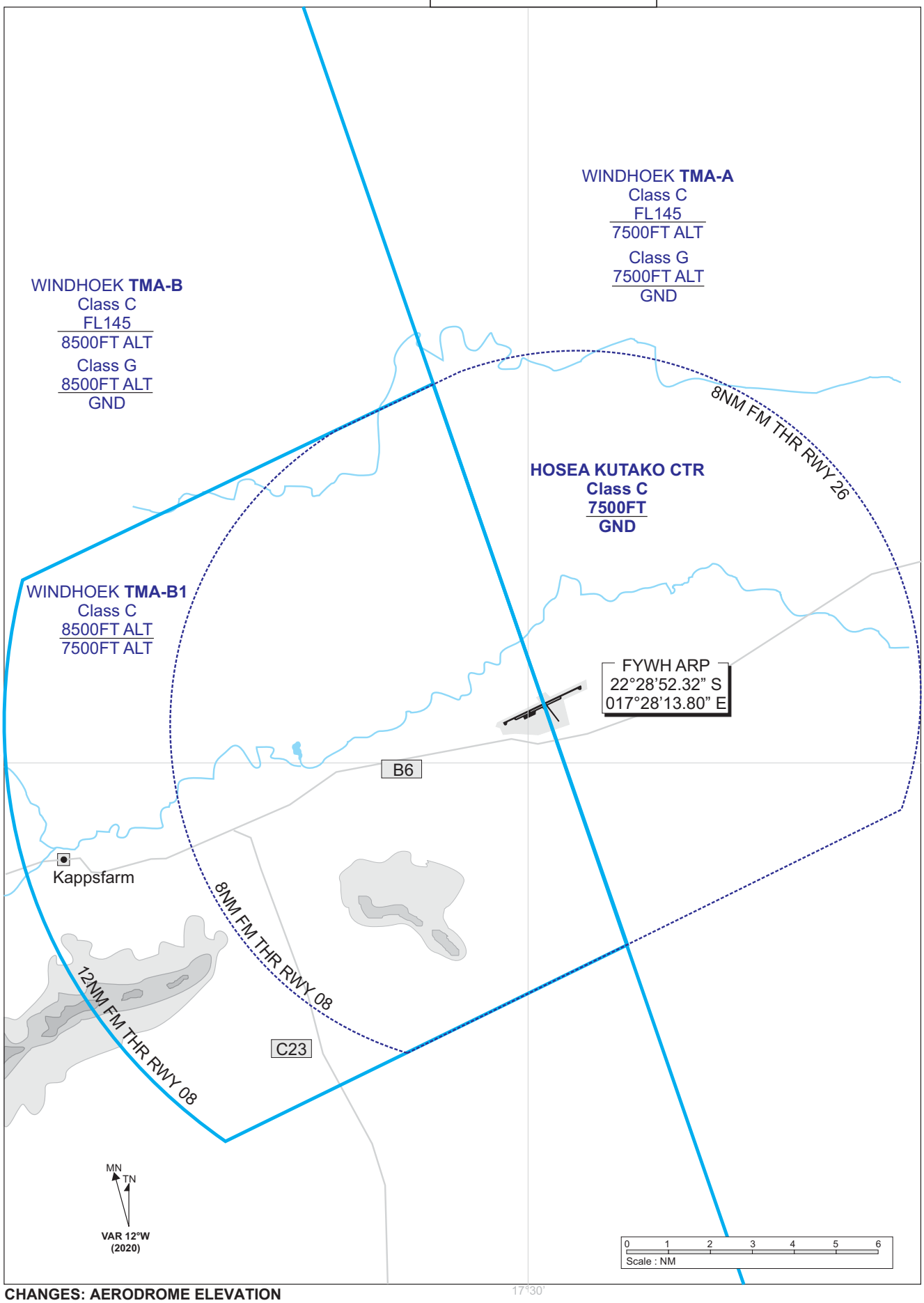
Holding Fix	Latitude (N) / Longitude (W)	Inbound True Track (degrees)	Inbound Mag Track (degrees)	Maximum Indicated Airspeed (kts)	Minimum Holding Altitude/ Level (FL/ft)	Maximum Holding Altitude/ Level (FL/ft)	Outbound time (min)	Direction of Turn
IMPEP	22°23'25.18"S / 017°39'53.96"E	243.5	255	-	8000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

VISUAL APPROACH CHART

AERODROME ELEV 5643'

HOSEA KUTAKO:
TWR 118.1 Mhz
ATIS 126.2 Mhz

HOSEA KUTAKO CTR



CHANGES: AERODROME ELEVATION

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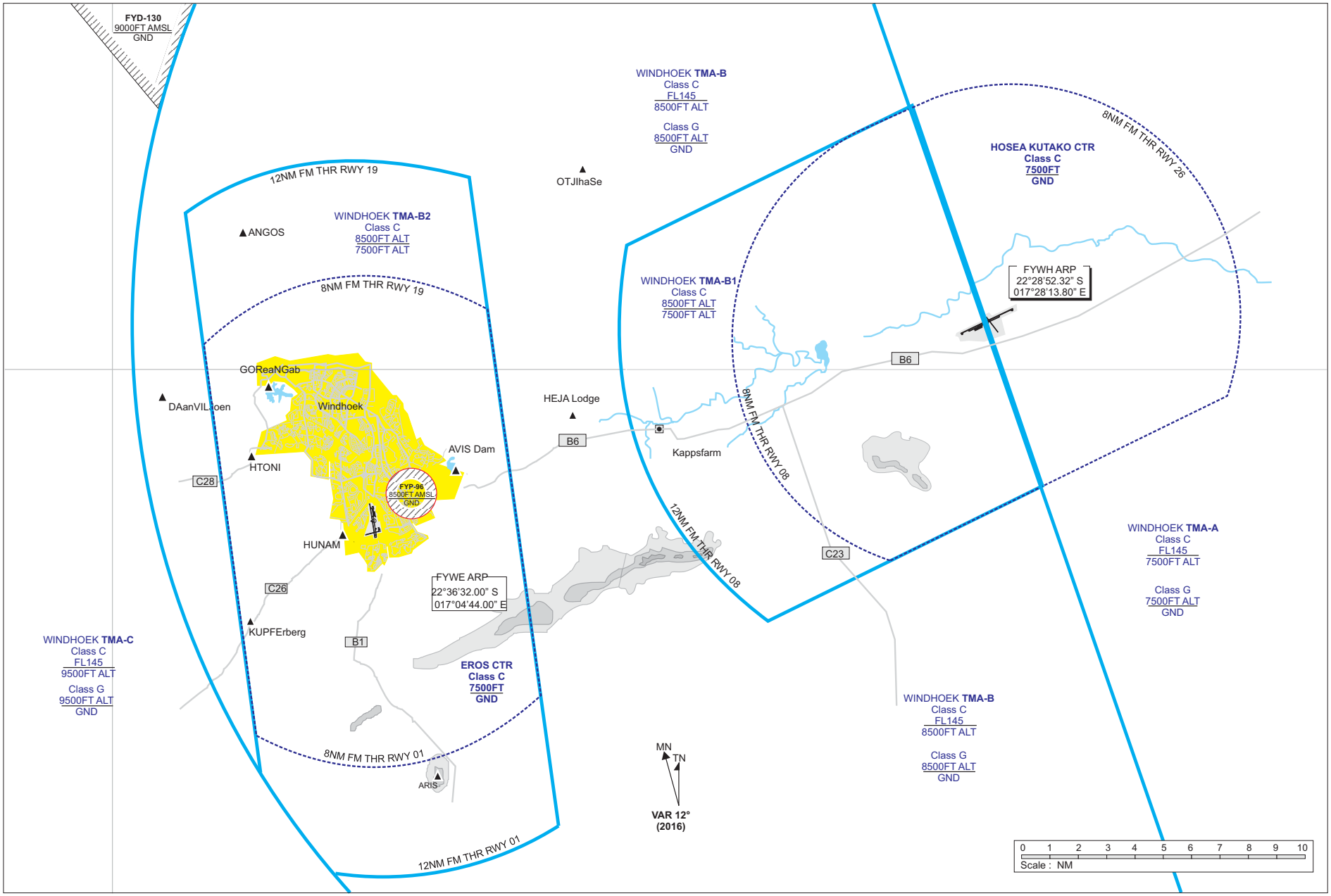
VISUAL APPROACH CHART

EROS & HOSEA KUTAKO CTR

CTR NAMIBIA



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AERODROME OBSTACLE CHART ICAO
TYPE A (OPERATING LIMITATIONS)

WINDHOEK/ Hosea Kutako Intl Airport

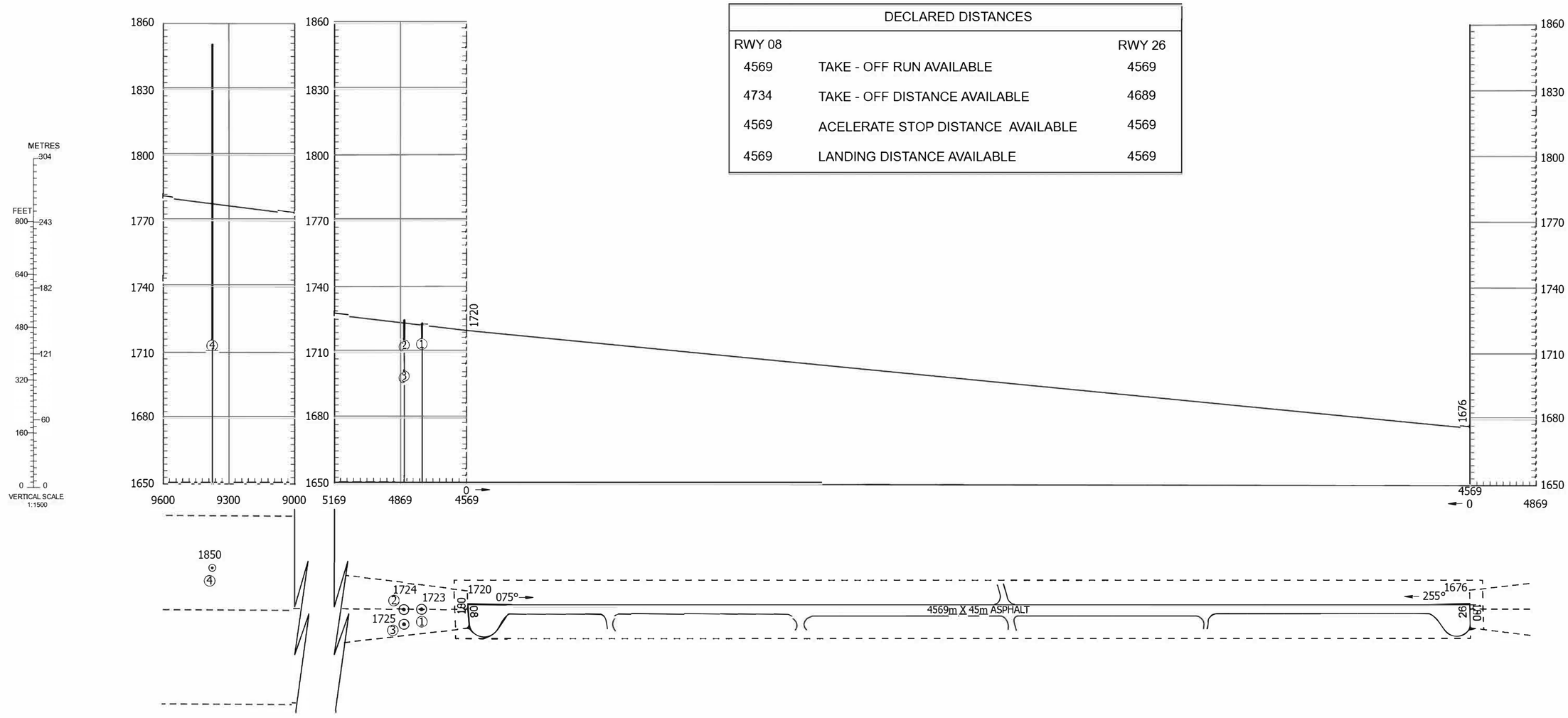
RWY 08 / 26

DIMENSIONS AND ELEVATIONS IN METRES

MAGNETIC VARIATION 12°W - JAN 2020

RWY 08 /26

DECLARED DISTANCES		
RWY 08		RWY 26
4569	TAKE - OFF RUN AVAILABLE	4569
4734	TAKE - OFF DISTANCE AVAILABLE	4689
4569	ACELERATE STOP DISTANCE AVAILABLE	4569
4569	LANDING DISTANCE AVAILABLE	4569



HORIZONTAL SCALE 1 : 15000

METRES
520 260 0 520 1040 1560 2080
2000 1000 0 2000 4000 6000 8000
FEET

LEGEND	
IDENTIFICATION NUMBER	①
LOCALIZER, ILS MONITOR, POWER TRANSMISSION LINE	⊙

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