AD (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

1.1 Introduction:

This section contains information an all aerodromes which are:-

a) ports of entry;
b) aerodromes for domestic use.

1.2 Aerodromes: Administration.

The administration of an aerodrome is the responsibility of the licensee.

1.3 Conditions of availability:

a) An aerodrome may be used by a particular aircraft, provided due account has been taken of the meteorological conditions obtaining at the time, provided the aircraft's performance and PCN is consistent with the physical characteristics of the aerodrome.
b) Pilots must ensure that prior permission is obtained from the licensee for the operation of all aircraft to and from aerodromes licensed in the private category.
c) The Defence Act 44 of 1957 states that no civilian aircraft may land at a military aerodrome without prior permission being obtained from :

The Chief of the Air Force

S.A Air Force Headquarters

Operations Room

TEL: (012) 312-2034

i) It must be pointed out, however, that even with prior permission, persons using such aerodromes do so at their own risk as the Defence Act also states that the Department of Defence shall not be liable to any person who makes use of the aerodrome or for loss or for damage resulting from damage to property caused by or arising out of the said defence service or property.

1.4 Applicable ICAO documents.

The standards and recommended practices contained in Annex 14 are applied with the exception of the differences noted hereunder.

1.5 Maintenance of aerodrome movement areas:

It is the responsibility of the relevant airport authority to maintain the aerodrome in a satisfactory condition.

1.6 Dissemination of information on condition of paved surfaces:

a) Information on surface condition of runways, taxiways and aprons will be published, when necessary, in NOTAM.

b) (b) At aerodromes where an ATS unit is established, if a runway is affected by standing water not associated with snow, slush or ice at any time during the approach of an aircraft for landing the depth and location of such standing water is notified by the aerodrome authority direct to the ATS at that aerodrome for transmission to the aircraft.

c) At certain Airports Company Airports tests have been carried out using a Mumeter to determine the surface friction characteristics, when wet, of paved runways, (ICAO Annex 14, Attachment B, para. 7.3.7 refers). The minimum Mumeter value for which a runway will be classified as “slippery when wet” is 0,5. If the friction of a runway is found to be below this value, then such information shall be promulgated by NOTAM.

1.7 Strength:

a) The assessment of the bearing strength of a runway is made complicated because the effective loads imposed by an aircraft of given weight vary with the number and layout of the wheels comprising the landing gear and the tyre pressure.

It is desirable that aircraft operators should be able to determine in advance for themselves, within reasonable limits, whether a particular runway is strong enough to accept the safe movement of a particular aircraft.

A system has been devised which expresses the bearing strength of a runway in a simple form and which provides sufficient information for the assessment in relation to this of the loads imposed by particular types of aircraft.

b) Pavement Classification Number (PCN):

The bearing strength of a runway is defined by a number (PCN).

If an operator proposes a movement or series of movements at an aerodrome, the aircraft PCN should be ascertained, as a function of single isolated wheel loading and tyre pressure.

If the resultant aircraft ACN is equal to or less than the published PCN for the runway it is intended to use, the bearing strength of that runway is sufficient for the proposed movements. Conversely, if the aircraft ACN is higher than the published PCN for the runway, the bearing strength may not be sufficient and the operator must obtain the prior permission of the aerodrome licensee for operations at that aerodrome.

The attention of all operators and pilots is drawn to the circumstances and conditions prevailing at many of the smaller aerodromes. Some of these aerodromes are unattended and, in spite of maintenance, holes and other damage may be caused by rodents overnight. Further, should an aerodrome become unserviceable for a short period after rain, unserviceability markers may not be displayed. Circumstances such as these will temporarily reduce the PCN of unpaved runways.

1.8 Aerodrome reference point (ARP)

The aerodrome reference point is the designated geographical location of an aerodrome. The point chosen is usually one situated near the geometric centre of the aerodrome.

1.9 Aerodrome reference temperature (ART).

The aerodrome reference temperature is the monthly mean of the mean daily temperature (24 hours) for the hottest month of the year (T1) (the hottest month being that which has the highest mean daily temperature) plus one-third of the difference between the monthly mean of the maximum daily temperature for the same month (T2) and the aforementioned monthly mean temperature (T1) i.e.Both T1, and T2 should be averaged over a period of years.

1.10 Rescue and fire fighting facilities.

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.

The scale of protection has been determined in accordance with the guidance given in Attachment C to Annex 14.

At the other major aerodromes the rescue and fire fighting equipment provided is usually suitable to their operating requirements.

1.11 Visual ground signals:

a) Of the visual ground signals contained in Appendix A to Annex 2, none have significance in the Republic of South Africa, with the exception of Para. 4.2.4 “Closed runways and taxiways”.

b) Closed manoeuvring areas, runways and taxiways.

1. Day markings.

Crosses of a single conspicuous colour, preferably white, displayed horizontally on the manoeuvring area shall indicate the limits of an area unfit for the movement of aircraft. In the case of runways and taxiways the crosses shall be displayed at each end of the unserviceable part and over the entire length of the unserviceable part at distances of not more than 300 M if the unserviceable part exceeds a distance of 300 M.

2. Night markings.

On manoeuvring areas used at night, unserviceable areas shall be delineated by fixed aviation red lights placed along the edge and at such corners of the area as may be necessary clearly to indicate the extent of the area, except that, where aircraft movements are limited to runways and taxiways, a runway or taxiway or portions thereof may be closed for taxiing purposes by placing aviation red lights across the entrance and exit of the section rendered unusable by reason of an unserviceable area, and by extinguishing the runway or taxiway lights between the delimiting red lights.

c) Traffic pattern indicator.

A traffic pattern indicator is used to indicate whether a right or left hand circuit should be followed in respect of a specific runway direction.

The indicator comprises, depending on the number of runways, a series of L markings around the wing cone circle.

The orientation of the markings coincide with that of the runways at the aerodrome where the indicator is displayed.

The L-shaped markings indicate whether a left or right hand circuit is in force. Thus when runway a or runway b is in use, a right hand circuit must be flown while, when runways c or d are in use, a left hand circuit is applicable.

1.12 Stop bar Procedures

Signs markings and lighting act as safety nets to prevent drivers or pilots from entering a runway incorrectly. Stop bars are provided at certain airports to assist in protecting the runway against a Runway Incursion. Airports using stop bars today typically equip the CAT II/III holding point as a compliment to the pavement marking and signage according to ICAO.

A stop bar consists of a row of unidirectional lights embedded in the pavement and spaced equally across the taxiway at the associated holding point, normally at right angles to the centerline. They show red towards an approaching aircraft when lit. Stop bars are sometimes installed in association with green lead-on lights which are a continuation of the taxiway centerline lighting beyond the stop bar. The lead-on lights are interlinked with the stop bar so that when the stop bar is red, the green centerline beyond the stop bar is unlit and vice versa.

Procedures for Stop bar Use

1) Pilots and Drivers shall never cross a red (lit) stop bar.
2) If instructed to cross a red stop bar pilots and drivers should challenge the ATC to switch off the stop bar or provide alternative routing.
3) Pilots and Drivers may only cross a deselected stop bar/holding point when the appropriate voice clearance has been issued by the ATC and read-back by the pilot/driver. Pilots and Drivers should be careful not to assume clearance to cross/enter a runway has been issued if the stop bar is not illuminated.
4) Should a stop bar fail ATC shall endeavour to provide an alternate clearance that does not route via the failed stop bar.
5) Where a stop bar has failed and there is no alternative routing available or the stop bar has failed at a runway entrance, a procedure shall be published either via NOTAM or promulgated in the AIP describing under what conditions pilots and drivers may be allowed to cross a lit stop bar. Should no such procedure

be published the pilots and drivers shall only cross the lit stop bar under the direction of a Follow-Me vehicle when ATC has given an explicit clearance for the Follow-Me vehicle to lead the aircraft onto/across the runway.

6) When a Follow-Me vehicle is used Pilots will be required to report the Follow-Me vehicle in sight to the ATC. Thereafter all Radio Transmissions will be directed to the Vehicle until the Driver of the Follow-Me vehicle reports standing down.
7) When issuing a Conditional Clearance, ATC should only extinguish the stop bar when the subject of the condition has passed and it is safe for the aircraft or vehicle to enter the runway at that entry point at that time.
8) Should a pilot or driver require clarification on a clearance issued they should stop before the stop bar and request clarification from the ATC prior to crossing any holding point. If in Doubt STOP and ask.

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AD 1.2 Rescue and fire fighting services and snow plan

1.2.1 Rescue and fire fighting services

Regarding Rescue and Fire Fighting Services, the applicable Air Traffic Services Unit can be contacted for relevant information.

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AD 1.3 INDEX TO AERODROMES AND HELIPORTS

	Type of traffic permitted to use the aerodrome / heliport			
Aerodrome/ heliport name Location indicator	***International - National (INTL - NTL)***	***IFR - VFR***	***S = Schedule NS = Non-scheduled P = Private***	***Reference to AD Section and remarks***
1	***2***	***3***	***4***	***5***
Aerodrome				
Bram Fischer International Airport FABL	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FABL
Cape Town International Airport FACT	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FACT
Kruger Mpumalanga International Airport FAKN	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FAKN
Lanseria International Airport FALA	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FALA
King Shaka International Airport FALE	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FALE
OR Tambo International Airport FAOR	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FAOR
Chief Dawid Stuurman International Airport FAPE	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FAPE
Pilanesberg International Airport FAPN	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FAPN
Polokwane International Airport FAPP	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FAPP

	Type of traffic permitted to use the aerodrome / heliport			
Aerodrome/ heliport name Location indicator	***International - National (INTL - NTL)***	***IFR - VFR***	***S = Schedule NS = Non-scheduled P = Private***	***Reference to AD Section and remarks***
1	***2***	***3***	***4***	***5***
Aerodrome				
Upington International Airport FAUP	INTL-NTL	IFR-VFR	Scheduled Non Scheduled Private	AD 2-FAUP

AD 1.4 GROUPING OF AERODROMES/HELIPORTS

International airport.

Is an airport designated by the Contracting State in whose territory it is situated as an airport of entry and departure for international air traffic, where the formalities incident to customs, immigration, public health, animal and plant quarantine and similar procedures are carried out.

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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*	*4*
KING SHAKA/Durban FALE	01/12/2025	1 year	Certified
KRUGER MPUMALANGA/Nelspruit FAKN	01/11/2025	1 year	Certified
LANSERIA/Johannesburg FALA	01/08/2025	1 year	Certified
O R TAMBO/Johannesburg FAOR	01/08/2025	1 year	Certified

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FAAB

FAAB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAAB - ALEXANDER BAY

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	283423.94S 0163203.61E
2	*Direction and distance from city*	4 NM NNE
3	*Reference elevation/Reference temperature*	98 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	19.5º W (2007)
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	Private AD CHF: Alexander Bay Trading - A Division of Alexkor Ltd. P. O. Box 555, Alexander Bay, 8290 Tel: +27 27 831 1330 Fax: +27 27 831 1910 E-mail: schalkl@alexkor.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Frequency 118.7 MHz

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HO
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL INFO AVBL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	1 NM SE	ELEV +/- 200 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	TV mast	+/- 5 NM SE	ELEV +/- 820 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	4 Radio masts	3.1 NM ENE	ELEV +/- 118 FT	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
01	343º (T)	1848 x 46	ASPH LCN 22	NIL INFO AVBL	NIL INFO AVBL	-0.26%
19	163º (T)	1848 x 46	ASPH LCN 22	NIL INFO AVBL	NIL INFO AVBL	+0.26%
07	044º (T)	1676 x 36	GRAV	NIL INFO AVBL	NIL INFO AVBL	+0.2%
25	224º (T)	1676 x 36	GRAV	NIL INFO AVBL	NIL INFO AVBL	-0.2%
11	088º (T)	1470 x 35	GRAV	NIL INFO AVBL	NIL INFO AVBL	-0.04%
29	268º (T)	1470 x 35	GRAV	NIL INFO AVBL	NIL INFO AVBL	+0.04%

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	61	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	1) Fence 60m from THR of all RWY's - Circuit ALT: 1500 FT ALT. 2) No aircraft to stop or park on RWY 01/19.
NIL INFO AVBL	61	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
01	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
19	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
07	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
25	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
11	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
29	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
01	NIL	Green	NIL	NIL	NIL	1848M 100M White	Red	NIL	NIL
19	NIL	Green	NIL	NIL	NIL	1848M 100M White	Red	NIL	NIL
07	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
25	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
11	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
29	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL

4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	ABV	112.1 MHz	H24	283414.35S 0163201.80E	NIL INFO AVBL	Letdown radial 187 intercepts centre line of RWY 01 APPROX. 1 NM from THR. Radial 358 intercepts centre-line of RWY 19 APPROX. 1 NM from THR.
UHF DME	ABV	1082 MHz transmits & 1019 MHz receives	H24	283414.35S 0163201.80E	NIL INFO AVBL	Channel 58X. Coaxially co-located with VOR.

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01

FABB

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FABB - BRAKPAN BENONI

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	261434.41S 0281802.82E
2	*Direction and distance from city*	1NM South of Benoni / 1NM West of Brakpan
3	*Reference elevation/Reference temperature*	ELEV: 5350FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	20.2°W (2025)
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	Brakpan Aero Club 1 Van Dyk Road, Dalpark Brakpan, 1543, Gauteng Cell: +27 83 540 9287 Email: bac@lantic.net Website: www.brakpanaeroclub.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	24HR
2	*Customs and immigration*	NIL
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	*Fuelling*	See AD 2.4 (3)
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	AVGAS 100LL, Jet A1 and Oil W100
3	*Fuelling facilities and capacity*	JET A1 HOD: MON-SUN 0600-1500 AVGAS HOD: TUE-SUN 0600-1500
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	Brakpan Aero Club +27 83 540 9287 Glen Price +27 82 558 4411
6	*Repair facilities for visiting aircraft*	Aerocraft Service Center Andre Maartins +27 76 416 7033 Airborne Sport Fred Blokland +27 83 256 1873 Legacy Aviation Services Tom Willows +27 82 336 7262 Zuair Pierre Kitching +27 81 527 8256
7	*Remarks*	Productive Fuel Services (Jet A1): Kobus +27 82 626 8127, Apie +27 83 600 0569, Frederick +27 82 602 1474 After hours R300 call out fee. Handling fee of R200 when fueling from the mobile bowser and taking less than 100 liters of fuel (Not applicable at the pump on the apron) AVGAS: Gareth +27 74 124 9921 or Sam +27 82 902 1780 After hours and holidays: 24 hours notice and R250 call out fee.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Carnival City Hotel (4.3km) +27 11 898 7000 Road Lodge Carnival (4.3km) +27 11 915 5800 Various guest houses in vicinity
2	*Restaurants*	Runway Cafe Restaurant at the airfield with bathrooms and seating area. +27 64 701 5006 Various restaurants at Mall@Carnival (2.7km) and Carnival City (4.3km)
3	*Transportation*	Bolt and Uber
4	*Medical facilities*	Life Dalview Hospital (6.6km) +27 11 747 0747 Netcare Sunward Park (6.9km) +27 11 897 1600 Life Glynnwood Hospital (Burn Unit) (7.8km) +27 11 741 5000 Tambo Memorial Hospital (7.8km) +27 11 898 8000
5	*Bank and Post Office*	Various banks at Mall@Carnival (2.7km) Standard Bank +27 86 010 1341 FNB +27 87 345 1000 African Bank +27 11 915 8822

		ABSA Bank +27 11 897 5500 Capitec Bank +27 86 010 2043 Nedbank +27 80 055 5111 Postnet Carnival Centre (2.7km) +27 11 915 0040
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	Not applicable.
2	*Rescue equipment*	First aid kit and fire extinguishers AVBL in the clubhouse.
3	*Capability for removal of disabled aircraft*	Yes
4	*Remarks*	Brakpan Fire Station +27 11 744 4119 Ekurhuleni Call Centre for life threatening emergencies +27 11 458 0911

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	Airfield operational through all seasons

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Asphalt LCN 15
2	*Designation, width, surface and strength of taxiways*	Asphalt LCN 15
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 numbers: (18L/36R) and (03/21) Threshold markings: (4 white threshold lines with 3 white arrows for displaced thresholds) on 18L/36R RCL markings (broken white line) on 18L/36R.

3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	Radio mast	NIL	5379/115FT	NIL	3.4NM SSE
NIL	Radio mast	NIL	5366/115FT	NIL	1.4NM WNW

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
18L	179°M	1439 X15	ASPH LCN15	261357.31S 0281757.47E	5391FT	NIL INFO AVBL
36R	359°M	1439 X15	ASPH LCN15	261441.00S 0281815.96E	5328FT	NIL INFO AVBL
18R	179°M	597 X 10	Grass	261422.14S 0281803.31E	5351FT	NIL INFO AVBL
36L	359°M	597 X 10	Grass	261440.30S 0281810.88E	5335FT	NIL INFO AVBL
03	036°M	850 X 15	Grass	261434.13S 0281805.24E	5344FT	NIL INFO AVBL
21	216°M	850 X 15	Grass	261407.01S 0281814.25E	5348FT	NIL INFO AVBL
Designations RWY NR	*SWY dimensions (M)*	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*
1	*8*	*9*	*10*	*11*	*12*	*13*
18L	NIL	120	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL
36R	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL
18R	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL
36L	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL
03	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL
21	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL
Remarks: Grass runways utilised for light sport aircraft and cross runways for all types. Use of grass runways is strictly at the pilot's own discretion and entirely at their own risk. Neither the airfield nor its operators accept responsibility for any incidents, damage, or liabilities arising from such use. DTHR RWY 18L 182M X 15M/ DTHR RWY 36R 180M X 15M						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
18L	1621	1921	1801	1619	NIL
36R	1619	1801	1801	1621	NIL
18R	597	597	597	597	NIL
36L	597	597	597	597	NIL
03	850	850	850	850	NIL
21	850	850	850	850	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWYLGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
18L	NIL	Green	NIL	NIL	NIL	1439M 35M White	Red	NIL	See below
36R	NIL	Green	NIL	NIL	NIL	1439M 35M White	Red	NIL	See below
18R	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	See below
36L	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	See below
03	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	See below
21	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	See below
Remarks: RWY, THR, edge and end lights for RWY 18L/36R are solar powered and switch on automatically at sunset and switch off at sunrise.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	See AD 2.14
4	*Secondary power supply and switch-over time*	Solar powered. Switch on automatically at sunset and switch off at sunrise.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	261432.56S 0281804.52E 261431.65S 0281804.15E
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	Pole on corner at hangar painted red and white with strobe light on the pole.

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL

AD 2.21 NOISE ABATEMENT PROCEDURES

Circuit and landing training operations are prohibited between 1900-0400.

AD 2.22 FLIGHT PROCEDURES

1. Visual Flight Rules (VFR) Procedures

1.1 VFR Arrivals
1.1.1 Arrivals from the south
Enter the FAOR buffer zone at 6000FT on FAOR QNH.
Enter the FAOR CTR just west of Ergo Slimes Dam.
Call Brakpan Traffic (122.7 MHz) and report:
“Western edge of Ergo Slimes Dam, inbound FABB, 6000FT, joining overhead.”
Proceed to the aerodrome and cross overhead the hangars (western side of runway, midfield).
Report: “Brakpan Traffic, overhead the field.”
Continue heading 090° to cross midfield toward Makro to join the circuit:
Runway 18L: Join left-hand downwind, remain south of the Benoni-Brakpan railway, maintain 6000FT.
Runway 36R: Join right-hand downwind, maintain 6000FT.
Make appropriate downwind calls on 122.7 MHz.
Simultaneous conflicting landings are not permitted.
1.1.2 Arrivals from the east
Enter the FAOR buffer zone at 6000FT on FAOR QNH.
Enter the FAOR CTR overhead Jan Smuts Dam.
Call Brakpan Traffic (122.7 MHz) and report:
”Overhead Jan Smuts Dam, inbound FABB, 6000FT.”
Exercise caution for FASI traffic (boundary at Jan Smuts Dam; circuit altitude 6300FT.
Determine runway in use via radio, FAOR ATIS 126.2 MHz, or smoke drift:
Runway 18L: Turn right to join left-hand downwind, remain south of the railway, maintain 6000FT.
Runway 36R: Turn left to join right-hand downwind, maintain 6000FT.
If runway cannot be determined, use Runway 36R (uphill).
Make appropriate downwind calls on 122.7 MHz.
Simultaneous conflicting landings are not permitted.

1.2 VFR Departures
Squawk 2000 Mode C (if equipped).
Remain on Brakpan Traffic 122.7 MHz until leaving the FAOR CTR.
Depart via:
Jan Smuts Dam (East), or
Ergo Slimes Dam (South), remain east of the dam (inbound traffic uses west).
Maintain 6000FT until clear of the buffer zone.
Once clear of Brakpan airspace, contact Johannesburg Special Rules East 125.4 MHz.
Simultaneous conflicting take-offs are not permitted.

2. STANDARD OPERATING PROCEDURES . GRASS RUNWAYS

2.1 Grass Parallel Runway 18R/36L Grass (Light Sport Aircraft Only)
Communication:
Broadcast position and intentions on 122.7 MHz.
Traffic Monitoring:
Maintain active listening watch and situational awareness.
Visual Separation:
Maintain separation from all aircraft; adjust speed/track as required.
Aerodrome Markings:
Follow all markings and signage to ensure correct runway/taxiway usage.
Simultaneous Operations:
No conflicting simultaneous take-off or landing permitted.
Liability:
Use is entirely at pilot’s discretion and risk. The aerodrome and operators accept no liability for incidents or damage.

2.2 Grass Cross Runway RWY 03/21 Grass (All Aircraft)
Communication:
Broadcast position and intentions on 122.7 MHz
Traffic Monitoring:
Maintain awareness of all traffic in the vicinity.
Visual Separation:
Maintain safe spacing from other aircraft.
Aerodrome Markings:
Adhere to all surface markings and signage.
Simultaneous Operations:
No conflicting simultaneous take-off or landing permitted.
Liability:
Use is entirely at pilot's discretion and risk. The aerodrome and operators accept no responsibility for incidents or damage.

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL	

FABE

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FABE - BHISHO

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	325342.00S 0271706.00E Mid-point of aerodrome
2	*Direction and distance from city*	5,8 NM SWW of King Williams Town
3	*Reference elevation/Reference temperature*	1950FT
4	*Geoid undulation at aerodrome elevation position*	99.1 FT
5	*MAG VAR* *annual change*	29°W (2018) 0°10' W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Department of Road and Transport, Private Bag X 0023, BHISHO, 5605 TEL: +27 40 659 1000 APM Fax: +27 40 659 1312
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ, HN on request with prior notice.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO
4	*AIS briefing office*	NIL INFO
5	*ATS reporting office (ARO)*	NIL INFO
6	*MET briefing office*	NIL INFO
7	*ATS*	NIL
8	*Fuelling*	NIL Fuel Available
9	*Handling*	NIL INFO
10	*Security*	NIL INFO
11	*De-icing*	NIL INFO
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO
2	*Fuel and Oil types*	NIL Fuel Available
3	*Fuelling facilities and capacity*	NIL INFO
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

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO
2	*Restaurants*	NIL INFO
3	*Transportation*	NIL INFO
4	*Medical facilities*	NIL INFO
5	*Bank and Post Office*	NIL INFO
6	*Tourist office*	NIL INFO
7	*Remarks*	NIL INFO

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	**NIL INFO**
2	*Designation, width, surface and strength of taxiways*	**NIL INFO**
3	*ACL location and elevation*	**NIL INFO**
4	*VOR checkpoints*	**NIL INFO**
5	*INS checkpoints*	**NIL INFO**
6	*Remarks*	**NIL INFO**

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 INFO**
2	*RWY and TWY markings and LGT*	**NIL INFO**
3	*Stop bar*	**NIL INFO**
4	*Remark*	**NIL INFO**

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	**NIL INFO**	**NIL INFO**	**NIL INFO**	**NIL INFO**	**NIL INFO**

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	**NIL INFO**	**NIL INFO**	**NIL INFO**	**NIL INFO**	**NIL INFO**

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	**NIL INFO**
2	*Hours of service* *MET office responsible outside hours*	**NIL INFO**
3	*Office responsible for TAF preparation and periods of validity*	**NIL INFO**
4	*Type of trend forecast and interval of issuance*	**NIL INFO**
5	*Briefing / consultation provide*	**NIL INFO**
6	*Flight documentation / language(s) used*	**NIL INFO**
7	*Charts and other information available for briefing or consultation*	**NIL INFO**
8	*Supplementary equipment available for providing information*	**NIL INFO**
9	*ATS units provided with information*	**NIL INFO**
10	*Additional information (limitation of service, e.t.c.)*	**Automatic Weather Office**

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
08	057°	2502 x 60	ASPH LCN 100/F/B/W/T	325412.11S 0271605.49E	1944 FT	-0,7%
26	237°	2502 x 60	ASPH LCN 100/F/B/W/T	325327.32S 0271725.80E	1948 FT	+0,8%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO	NIL INFO	NIL INFO	NIL INFO	See below.
NIL	NIL	NIL INFO	NIL INFO	NIL INFO	NIL INFO	
RWY 08/26 not inspected. All LDG, DEP and TGL at pilot discretion.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
08	2502	2502	2502	2502	NIL
26	2502	2502	2502	2502	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (M) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
08	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	See below.
26	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
Remarks: NIL NGT OPS due RWY 08/26 LGT removed.									

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*IBN location, characteristics and hours of operation*	NIL INFO
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO
3	*TWY edge and centre line lighting*	NIL INFO
4	*Secondary power supply and switch-over time*	NIL INFO
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Gd undulation*	NIL INFO
2	*TLOF / FATO elevation (m/ft)*	NIL INFO
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO
4	*True BRG of FATO*	NIL INFO
5	*Declared distance available*	NIL INFO
6	*APP and FATO lighting*	NIL INFO
7	*Remarks*	NIL

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	*Hours of applicability*	NIL
7	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATION

(1) Circuit ALT.
3000 FT ALT Reciprocating
3500 FT Turbine

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO

AD 2.22 FLIGHT PROCEDURES

NIL INFO

AD 2.23 ADDITIONAL INFORMATION

NIL INFO

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01

FABL

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FABL - BRAM FISCHER INTERNATIONAL AIRPORT

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	290537.64S 0261814.27E Site: 068º (T), 628M TWR
2	*Direction and distance from city*	5 NM ENE
3	*Reference elevation/Reference temperature*	4457FT/25.6º C (JAN)
4	*Geoid undulation at aerodrome elevation position*	102.7 FT
5	*MAG VAR/ Annual change*	22ºW (2018) 0º8' W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address*	Administrative Authority: Airports Company Ltd Postal Address: P/Bag X 20562, Bloemfontein 9300. Information: +27 51 407 2200 Fax: +27 51 433 1485 E-mail: FABL@airports.co.za Airport Manager Cell: +27 82 524 1490 E-mail: Thabo.Phateng@airports.co.za Manager Airfield Services: Cell: +27 79 643 1030 E-mail: Moses.Seroto@airports.co.za Fire & Rescue Assistant Manager Cell: +27 79 643 1030 E-mail: Moses.Seroto@airports.co.za ATNS Co Ltd: Postal Address: P/Bag X 20559, Bloemfontein 9300. Fax: +27 51 503 7214 Fax2mail: +2786 536 5064 ATC: +27 51 503 7201 Email: blatc@atns.co.za Pool Manager: Lebogang Hlaka Cell: +27 72 890 1399 E-mail: lebogangh@atns.co.za Admin Tel: +27 51 503 7212 E-mail: nthabisengma@atns.co.za

		MET: Admin: +27 51 433 2477 Forecaster: +27 82 233 9100 Fax: +27 51 433 3952 SAPS: Unit Commander: +27 82 308 2241 Immigration: Standby Number: +27 82 808 2779 Department of Agriculture: +27 72 402 2233 or +27 83 747 5457 Customs: +27 84 677 5375 or +27 72 355 4053 Department of Port Health: +27 83 258 0113 or +27 83 292 7911 Border Management Authority: +27 83 258 0113
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI 0445-1800 SAT: 0700-1400 SUN: 0700-1800 Public Holidays same as corresponding weekdays.
2	*Customs and immigration*	H24 on call out. No resident customs officers at AD. Customs to be notified by aircraft operator or owner 12HR IN ADVANCE, for departing or arriving from an international destination. ACSA is not responsible for informing Customs on any arrivals or departures. Operating hours: Custom officer is based at the airport during this hours: MON-FRI: 0530-1415. For after hours operations prior arrangement need to be made 24HR before landing. +27 84 677 5375. No aircraft allowed arriving or departing without customs clearance. Ref: FABL 2.20 for call out procedure.

3	*Health and sanitation*	No international travellers including crew members should be allowed to disembark the aircraft unless they have been given permission (Free Pratique) by Border Management Authority or Port Health Specialists after a health clearance has been conducted. "Free Pratique" in terms International Health Regulations 2005 means: permission for an aircraft after landing to embark or disembark, discharge or load cargo or stores. Border Management Authority should be notified 12HR prior to the arrival about any plans International Travellers have to fly to Bram Fischer International Airport. In cases where pilots have filed the flight plan, Border Management Authority request such information from the Airport.
4	*AIS briefing office*	Bloemfontein Tower email:blatc@atns.co.za
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	HOD: 0230-1830
7	*ATS*	MON-FRI: 0445-1800 SAT: 0700-1400 SUN: 0700-1800
8	*Fuelling*	PUMA Aviation Depot. Refueller: +27 77 602 2698 HOD: MON-FRI: 0445-1800 SAT: 0730-1400 SUN: 0730-1745 NIL AVGAS at Bloemspruit Air Force arrangement to be made with refuelling on +27 77 602 2698.
9	*Handling*	Menzies Aviation
10	*Security*	a) Passenger Security - (Responsible for screening of passengers) HOD: MON-FRI: 0445 -1800 SAT: 0700 -1400 SUN: 0700 -1800 b) AD Perimeter Security HOD: 24HR
11	*De-icing*	NIL INFO AVBL

12	*Remarks*	a) Ad Hoc extensions to Airport and ATC (ATNS) Hours of Operation.The applicant must route his relevant request to the Airport Authority who must in consultation with the relevant ATNS ATSU (Officer in Charge or ATC Manager for that region or any person so delegated), approved or rejected the request. (Notification of the region or any person so delegated) approved or rejected the request. Notification of the request must reach the Airport Authority at least 7 working days in advance of the intended effective date. Requests by operators involving an Ad Hoc additional or temporarily re-schedule flight (not a delayed flight) may follow the above procedure. b) The provision of an ATC and associated Airport service after the published hours of operation of the aforementioned services will be left to the discretion of the relevant service providers when the aircraft is delayed beyond the control of the pilot in command or the operator. However this will not negate the pilot in command or the operator from complying with any requirements as laid down in the Civil Aviation Regulations.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Manual; MAX mass per item 2 000 kg
2	*Fuel and Oil types*	Fuel grades: AVGAS 100; JET A1. Oil grades:100 Ashless, Red Band Oxygen and related servicing: NIL
3	*Fuelling facilities and capacity*	Refuelling facilities and limitations: Hydrant refuelling; no limitations. A refuelling bowzer is available carrying JET A1 only. Fuel tank capacity JET A1=420 000 litres, AVGAS=45 000 litres.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	Handling Services available within AD. HR by arrangement with the AD.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotel available at AD (Road Lodge) 66 rooms. Hotels in town +- 50 Guest Houses in town.
2	*Restaurants*	Restaurant accommodation: Seating 80
3	*Transportation*	Transportation: Taxi/ Shuttle to town

4	*Medical facilities*	Medical facilities: First aid room on AD Hospital in town - 12KM from AD Busamed Hospital (on the airport)
5	*Bank and Post Office*	At AD (ATM) - open within AD HR
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	Aerodrome License CAT VII (7) within AD hours, 7 crew minimum. For AD hours of operations extensions please refer to AD 2.3 Remarks.
2	*Rescue equipment*	2 Aerodrome Rescue and Fire Fighting (ARFF) Vehicle(s) 20000 litres water capacity and 2200 litres of Aqueous Film-Forming Foam Concentrate Compound 1000 kg of complimentary Dry Chemical Powder. 200% extinguishing media stock is always maintained. Emergency equipment complies with the requirement as per ICAO Doc 9137
3	*Capability for removal of disabled aircraft*	Limited Equipment for the recovery of light aircraft only supported by a maintenance crew from Tempe. Dup's Towing and Anglo Crane for others will be sourced as per emergency procedures. (Dup's Max Lifting capacity 13 000 kilogram and Anglo's Max Lifting Capacity is 23 000 to 25 000 kilogram. They can supply cranes from Welkom for 80 000 to 250 000 kilograms).
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	No snow - NIL

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Surface: Concrete, Strength: APN A1 - A4 PCR - 377/R/A/W/U Apron Parking Bays Coordinates: Bay 1 290541.10S 0261753.34E Bay 2 290542.03S 0261754.64E Bay 3 290543.26S 0261755.65E Bay 4 290544.67S 0261756.30E
2	*Designation, width, surface and strength of taxiways*	Width: 23 M, Surface: ASPH, Strength: TWY A, B, C PCR 377/F/A/X/U
3	*ACL location and elevation*	Pre-flight altimeter check points and ELEV: ELEV: Centre of apron - 4427 FT; THR RWY 02 - 4413 FT; THR RWY 12 - 4457 FT; THR RWY 20 - 4421 FT; THR RWY 30 - 4413 FT VOR/DME check point: Holding point 02 - (R) 170 0,3 NM
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	WARNING: To pilots operating on General Aviation Apron NW of the main apron. ACFT equipped with turbofan engine operating in the vicinity of the general aviation apron surfaced with concrete paving bricks should do so at low engine power. - New parking bays marked on apron ACFT must park facing west. - Clearway of RWY 02 increased to 476 M due to re-positioning of Boundary fence. - Upon departure pilots are to relay only the following information as follows: Flight crew do not need to pass POB and fuel endurance to FABL TWR, FREQ 120.8 MHz. Only ACFT registration, parking bay and requested flight level need to be passed. POB and destination must be passed to FABL apron on FREQ 122.65 MHz prior to contacting FABL TWR. - Safe making operation for activating and deactivating arms and ammunition used in regard to SAAF operations are as follows: a) Helicopters will be cleared to the B3 holding point at the THR of runway 30. The aircraft must face in a northerly direction, away from the SAAF bomb-dumps and away from the buildings to the east of the airport.

6	*Remarks*	b) Fixed-wing aircraft landing on runway 02 will be cleared to vacate the runway and face in a northerly direction, away from build-up areas and infrastructure. Aircraft landing on runway 20 will be cleared to vacate the runway and face in a south easterly direction, away from build-up areas and infrastructure. - Heliport situated next to TWY C and compass swing bay situated next to TWY C will be utilised as helipads solely for use by military helicopters. - Civilian and military helicopters are permitted to make use of TWYs for landing and take-off.

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.*	Guidelines at apron.Marshalling - guidance at aircraft stands.
2	*RWY and TWY markings and LGT*	(1) Marking aids: All RWYs - THR, touch-down, side stripes, RWY designator, fixed distance, RWY centre line, holding points and taxiway intersection intermediate holding positions. All holding points have been upgrade to super imposes markings with the addition of RWY indicators and centrelines. Distance marker board RWY 12/30, 32M W side and. RWY 02/20, 32M S side. (2) Painted markers on TWY C for precision landing training on rotor wing military aircraft only.
3	*Stop bar*	Stop bars are fitted at all intersections for both Main Runways 02/20 and Secondary Runways 12/30. No crossing of a red stop bar light shall be allowed unless specifically approved by ATC. In adverse weather conditions and LVP's, follow me vehicle will be provided upon request.
4	*Remark*	Taxiing guidance system: Nil, Visual aids to location: Nil, Indicators and ground signalling devices: WDI (LGTD) Obstruction marking and lighting: All obstructions day and night. Pilots must strictly adhere to the APN taxi lines when taxi out for DEP from parking bays 1 - 4 on the main APN. Special taxi marking is painted on TWY C1 and C4, TWY A4, TWY B and on the secondary runway at the intersections with TWY C and A. This is to accommodate the safe taxi of the Airbus A340-600 for diversion purposes. This line also runs through the apron as a broken line for parking purposes.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	Anemometer mast	290603S 0261805E 290506S 0261805E	33 FT/411.78 FT	Day and night markings	NIL INFO
NIL INFO	Cell Mast 1	290439.57S 0261524.45E	/4774 FT	NIL INFO	NIL INFO
NIL INFO	Cell Mast 2	290439.98S 0261525.34E	/4703 FT	NIL INFO	NIL INFO
NIL INFO	Mast at Radar	290248.02S 0261617.58E	/4950 FT	NIL INFO	NIL INFO
NIL INFO	Silo	290543.36S 0261745.78E	/4473 FT	NIL INFO	NIL INFO
NIL INFO	Power line	APCH RWY 12	/89 FT	Day markings spheres	NIL INFO
NIL INFO	Power line	APCH RWY 02	/119 FT	Day markings spheres	NIL INFO
NIL INFO	Power line	APCH RWY 20	NIL INFO	Day markings spheres	NIL INFO
NIL INFO	11 pylons	820 m from THR RWY 20	NIL INFO	NIL INFO	NIL INFO
NIL INFO	Street LGT 1	260638.11S 0261746.96E	4483.88/39 FT	NIL INFO	11.8 m AGL
NIL INFO	Street LGT 2	290636.44S 0261746.52E	4489.09/42 FT	NIL INFO	13.1 m AGL
NIL INFO	Street LGT 3	290635.54S 0261800.63E	4449.41/38 FT	NIL INFO	11.8 m AGL
NIL INFO	Street LGT 4	290635.90S 0261758.85E	4450.41/38 FT	NIL INFO	11.6 m AGL
NIL INFO	VODACOM TWR	290420.60731S 0262048.73126E	1367.318	NIL INFO	45.892 m AGL
NIL INFO	VODACOM TWR	290557.76876S 0262015.58891E	1372.643	NIL INFO	37.237 m AGL
NIL INFO	CELL C MAST	290748.88328S 0262253.58963E	1416.092	NIL INFO	35.51 m AGL
NIL INFO	VODACOM TWR	290826.77362S 0261821.64092E	1392.809	NIL INFO	31.145 m AGL

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	VODACOM TWR	290642.88597S 0261607.04841E	1419.734	NIL INFO	58.280 m AGL
NIL INFO	CELL C TWR	290614.51S 0261613.6204E	1402.628	NIL INFO	32.448 m AGL
NIL INFO	CELL C TWR	290643.00005S 0261638.0895E	1390.844	NIL INFO	40.083 m AGL
NIL INFO	STONE ALLIED INDUSTRIES	290952.49S 0262032.24E	NIL INFO	NIL INFO	Quarry Site at Meadows Area. Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS.
NIL INFO	ELEGANT LINE CIVILS	S2912775.50 E2630081.09	NIL INFO	NIL INFO	Quarry Site Area at Roodewal. Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS
NIL INFO	BLOEM BRICK	291127.311S 0262020.98E	NIL INFO	NIL INFO	Quarry Site at Meadows Area. Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS.
NIL INFO	LAFARGE OLIVE HILL	290410.3S 0261643.2E	NIL INFO	NIL INFO	Quarry Site at Olive Hill. Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS.
NIL INFO	PETRA / RAUMIX	290348.9S 0261430.99E	NIL INFO	NIL INFO	Quarry Site. Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS.
NIL INFO	PIKA BRICK	291115S 0261959E	NIL INFO	NIL INFO	Quarry Site at Rietfontein Area. Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS
NIL INFO	DANOHER CONTRACTING	291706S 0263359E	NIL INFO	NIL INFO	Not surveyed: Coordinate adopted from letter of agreement between ACSA and ATNS

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	MINING - TR103	290729.05805S 0261811.96246E	NIL INFO	NIL INFO	Adopted coordinates of Trigonometric Beacon (TR103) at the Mining Site. Degree Square 2926.
-Other obstructions: See Approach and Landing Charts. -Rifle shooting range is established at Grootvlei Jail, APRX 8 NM South of BLV, slightly west of extended Centre Line of RWY 02/20. - Blasting per agreement between ACSA and ATNS and the above mentioned quarry's in consultation with CAMU. - New sewerage treatment plant on the approach to runway 30, right of the centreline.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Bram Fischer
2	*Hours of service* *MET office responsible outside hours*	Observation: 0230-1830 Forecasting: 0200-1830 (082 233 9100) FAOR (082 233 9600/8800)
3	*Office responsible for TAF preparation and periods of validity*	Bram Fischer International TAF: H24
4	*Type of trend forecast and interval of issuance*	METAR and Trend 0230 - 1830 1/2Hourly
5	*Briefing / consultation provide*	Personally and Telephonically
6	*Flight documentation / language(s) used*	In ICAO format available for all flight levels. English
7	*Charts and other information available for briefing or consultation*	Domestic: SIGWX charts Low and High Prognostic Wind charts, Low level FL010-FL240. High level FL240-FL450. Radar & Satellite. International: SIGWX charts Low and High Prognostic Wind charts for FL100, FL180, FL240, FL300, FL350, FL390, FL450, and FL530. Radar & Satellite.
8	*Supplementary equipment available for providing information*	Internet: http://aviation.weathersa.co.za Fax on demand: +27 82 289 2010
9	*ATS units provided with information*	Bloemfontein TWR/APP

10	*Additional information (limitation of service, e.t.c.)*	+ Routine New main wind direction indicator located next to intersection of Runway 12 and Taxiway A4.

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
02	360° T	2563 x 46	PCR 377/F/A/X/U ASPH	290618.28S 0261808.38E	4413FT	+ 0.1%
20	180° T	2563 x 46	PCR 377/F/A/X/U ASPH	290455.04S 0261808.97E	4421FT	- 0.1%
12	101° T	2194 x 46	PCR 377/F/A/X/U ASPH	290522.42S 0261707.49E	4457FT	- 0.61%
30	281° T	2194 x 46	PCR 377/F/A/X/U ASPH	290537.06S 0261826.89E	4413FT	+ 0.61%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	2683 x 300	NIL INFO AVBL	NIL INFO AVBL	NIL	See below.
NIL	NIL	2683 x 300	NIL INFO AVBL	NIL INFO AVBL	NIL	
NIL	NIL	2314 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL	
NIL	NIL	2314 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL	

Remarks
- Local flying restrictions:
The intentional use of the AD is restricted to ACFT equipped with a functioning transmitter and receiver which will permit two-way communication with the TWR.
- Runway and Taxiway inspections will be conducted outside ATC hours of service. Pilots to exercise caution for vehicles on the runway, frequency in use during inspections is 120.8 MHz.
HOD: MON-FRI: 0330-0400.
- Back tracking prohibited for all ACFT with a maximum take-off of 45000 kg or more.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
02	2563	2563	2563	2563	NIL
20	2563	2563	2563	2563	NIL
12	2194	2194	2194	2194	NIL
30	2194	2194	2194	2194	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
RWY 02	NIL	Green No Wing bar	PAPI. Slope 3DEG left (21,4M)	NIL	NIL	2563M 60M White	Red	NIL	Last 600M amber
RWY 20	NIL	Green No Wing bar	PAPI. Slope 3DEG left (19,3M)	NIL	NIL	2563M 60M White	Red	NIL	Last 600M amber
RWY 12	NIL	Green No Wing bar	PAPI. Slope 3.2DEG Left (19,3M)	NIL	NIL	2194M 60M White	Red	NIL	Last 600M amber
RWY 30	NIL	Green No Wing bar	PAPI. Slope 2.7DEG Right (16,8M)	NIL	NIL	2194M 60M White	Red	NIL	Last 600M amber

REMOTE SWITCHING OF RWY 02/20 LIGHTS:
1. 3 Clicks of the microphone within 4 seconds on FREQ 120.8 MHz will activate the RWY lights.
2. RWY 12/30: 5 Clicks of the microphone button within 4 seconds, on FREQ 120.8 MHz switches the RWY and TWY lights on. After 15 minutes the lights automatically switch off. If required the procedure may be repeated to a further 15 minute period.
3. WARNING: The access road to the terminal building is parallel to RWY 02/20. At night and in conditions of poor visibility the road lighting may be mistaken for the RWY lighting.

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	ABN: NIL IBN: NIL
2	*LDI location & LGT and anemometer location and LGT*	LDI: NIL Anemometer: 600M NW or RWY intersection
3	*TWY edge and centre line lighting*	Edge: All TWYs
4	*Secondary power supply and switch-over time*	Emergency lighting and secondary power supply: AVBL - time for switch over 15 SEC
5	*Remarks*	Indicators and ground signalling devices: WDI (LGTD). Obstacle and Floodlight lighting

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	Not available
2	*TLOF / FATO elevation (m/ft)*	Not available
3	*TLOF and FATO area dimensions, surface, strength, marking*	Private aircraft stand (measurement will be done according to ICAO)
4	*True BRG of FATO*	Not available
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL INFO AVBL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR: a) From a point at 285503.56S 0261226.89E, clockwise along the arc of a circle, radius 12NM, and centred at 290602.38S 0261802.31E to a point at 285508.73S 0262350.53E. b) Thence a straight line to a point at 292010.83S 0262351.96E. c) Thence clockwise along the arc of a circle, radius 15NM, and centred at 290602.38S 0261802.31E to a point at 292014.85S 0261225.54E. d) Thence a straight line back to the starting point at 285503.56S 0261226.89E.
2	*Vertical limits*	GND / 6 500 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	English
5	*Transition altitude*	Transition altitude: 8000 FT

6	*Remarks*	1) Except where otherwise authorized, no aircraft is to be operated in these airspace unless the aircraft is equipped with a serviceable mode A and C transponder and two-way radio contact is maintained with air traffic control. 2) Pilots OPR in airspace below the lateral boundaries of the FABL TMA are to comply with TIBA Procedures. 3) Subject to ATC clearance, civilian and military helicopters may make use of the taxiways for landing and take off operations. 4) Subject to ATC clearance, military aircraft may join the circuit via Initial (approximately 5 NM from the THR of the RWY in use, overfly the RWY and break left or right for the downwind position) between 200 FT AGL and A075.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
APP/ APP RSR SSR	Bloemfontein Approach	124.3MHz transmits and receives	Same as TWR	Refer to note 1
VDF/APP	Bloemfontein approach	124.3MHz transmits and receives	Same as TWR	NIL
TWR	Bloemfontein tower	120.8MHz transmits and receives	MON-FRI: 0445-1800 SAT: 0700-1400 SUN: 0700-1800	NIL
VDF/TWR	Bloemfontein tower	120.8MHz transmits and receives	Same as TWR	NIL
D-ATIS VHF		126.450MHz	Same as TWR	NIL

NOTE:
1) Limited pre-flight briefing is AVBL at FABL INTL AP on TEL: +2751 503 7201/6 and Fax: +2751 503 7214.
2) PSR withdrawn.
3) Aircraft may expect radar vectors for a straight-in VOR approach RWY 02/20. Descent to 6500 FT will be given under Radar Control according to the Radar Terrain Chart

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	BLV	114.1 MHz	H24	290602.38S 0261802.31E	4416FT	NIL
UHF DME (TACAN)	BLV	1175 MHz transmits and 1112 MHz receives.	H24	290602.38S 0261802.31E	4416FT	Channel 88X. Co-axially collocated with VOR.

AD 2.20 LOCAL AERODROME REGULATIONS

Use of the AD is restricted to aircraft equipped with a serviceable mode A and C transponder. Refer AIP ENR 2.2

Call-out Procedure for Across Border Flight Clearance (International Flights)

Arriving International flights:
The pilot in charge of an arriving international flight must ensure that Customs, Border Management Authority, SAPS and Airport Manager are informed of the flight at least 12 hours before landing, see contact details as in FABL 2.2.
AD operator to make all INTL FPL information AVBL to Border Management Authority.

The following information must be provided to the relevant authorities:
Aircraft Registration; Pilot details; Contact Number; Point of Origin; Landing clearance reference number; Number of people on-board; Time of arrival; Any Dangerous Goods or Hazardous materials carried on-board must be declared. After arrival, taxi clearance will be given to the pilot to taxi to an allocated parking bay/area on the Bravo apron or the main apron. No international flights are to park at any other location than on the ACSA aprons. Representatives of the relevant authorities will meet the aircraft on arrival at the allocated parking area. Neither the pilot nor any of the passengers or cargo may leave the aircraft prior to all the relevant authorities being present. The pilot to ensure that the doors and windows of international flights from South America, Africa and Asia remain closed until arrival of Department of Health.
Pilots are requested to familiarise themselves with the procedure referenced above. Failure to comply with the above procedure will result in the pilot and the passengers having to remain on board of the aircraft until the Government Organisations arrive. Failure to comply can lead to criminal prosecution where deemed necessary.

AD 2.21 NOISE ABATEMENT PROCEDURES

1. As per ENR 1.5. paragraph 7.1.
2. No engine run-ups will be allowed on the Apron without permission from AD Chief.

AD 2.22 FLIGHT PROCEDURES

Circuit altitude for both Turbine-powered aircraft and reciprocating engine powered aircraft is 6000FT.

AD 2.23 ADDITIONAL INFORMATION

Pilots to exercise caution when landing at FABL as strong tailwinds or crosswinds can be experienced ABV the SFC while calm surface wind condition prevails. Bird concentrations in the vicinity of the airport - seasonal.
Dispersal activities is taking place daily by the use of a shot gun and the firing of shell crackers.
Animals roaming the airfield at the manoeuvring area. The movement is closely monitored by the bird and wild life Officers.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Aircraft parking/Docking chart	-AD-02
Hot Spot	-AD-03
VOR RWY 02	-VOR-01
VOR RWY 20	-VOR-02
Radar Terrain Clearance Chart	-RAD-01
UTONU 1A STAR 02	-ARR-01
Data tabulation	-ARR-01A
OKTIG 1B SID 02	-DEP-01
Data tabulation	-DEP-01A
RNP RWY 02	-RNP-01
Data tabulation	-RNP-01A
RNAV (GNSS) RWY 20	-RNAV-02
Data tabulation	-RNAV-02A

FABM

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FABM - BETHLEHEM

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	281455S 0282010E
2	*Direction and distance from city*	1 NM SE
3	*Reference elevation/Reference temperature*	5561 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	20º W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Dihlabeng local Municipality P O Box 551 Bethlehem 9700 CTC: Thabiso Raseobi CELL: +27 73 166 7073 TEL: +27 58 303 5732 FAX: +27 58 303 4810 Email: traseobi@dihlabeng.co.za MET: TEL: +27 58 303 5571 FAX: +27 58 303 2352
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD operational hours: H24
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	0300 - 1800
7	*ATS*	NIL
8	*Fuelling*	HR of SER: MON-FRI: 0530-1500, SAT: 0630-1000, SUN and public holidays CLSD. After hours CTC: +27 82 458 6255 Only Air BP AVGAS.
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL

11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL INFO AVBL
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	281316S 0281955E	53 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Radio mast	281331S 0281813E	49 FT	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Bloemfontein
2	*Hours of service* *MET office responsible outside hours*	Observations: 0300-1800 Forecasting: 0330-1830 FABL: 082 233 9100 FAOR: 082 233 9600
3	*Office responsible for TAF preparation and periods of validity*	Bloemfontein, on special request 9 - 11 HR Hourly
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	In ICAO format available for all flight levels. English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	Internet: http://aviation.weathersa.co.za Fax on demand: 082 289 2010
9	*ATS units provided with information*	TWR, APP, Area
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
13	108°T	1279x46	GS LCN 16	281441.74S 0281944.72E	5498 FT	+1.43%
31	288°T	1279x46	GS LCN 16	281454.88S 0282029.23E	5558 FT	-1.43%
11	096°T	1194x15	ASPH	281452.52S 0281947.92E	5517 FT	+1.12%
29	276°T	1194x15	ASPH	281456.61S 0282031.47E	5561 FT	-1.12%

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	1339 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	ACFT must adhere to RWY and TWYs and park in the parking area.
NIL INFO AVBL	NIL INFO AVBL	1339 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL INFO AVBL	NIL INFO AVBL	1254 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL INFO AVBL	NIL INFO AVBL	1254 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
13	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
31	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
11	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
29	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
13	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	RWY lightning AVBL SS - SR.
31	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
11	NIL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
29	NIL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (M/FT)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

1) Helistop: 281449.04S 0281948.21E. ELEV 5511 FT.
2) High ground & microwave tower to the west of the AD

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome chart	-AD-01

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FABW

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FABW - KAROO GATEWAY

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	321800.00S 0224000.00E Mid-point of aerodrome
2	*Direction and distance from city*	5 NM NE
3	*Elevation/Reference temperature*	2929 FT 26.6°C
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	25.13W / 0°14' W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	AIFA (AVIC International Flight Training Academy) Karoo Gateway Lodge, N1 Highway Beaufort West Airport, 6790 AIFA OPS: +27 23 100 3111 TWR TEL: +27 23 414 2444
7	*Types of traffic permitted (IFR / VFR)*	VFR Traffic only
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HJ, PN.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON-FRI: 0600-1500
8	*Fuelling*	MON-FRI: 0600-1500
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS100, Jet A1. OIL: ASO 100, W100.
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	Fuelling TEL: +27 65 186 2865 PN outside fuelling hours of service. Callout fees applicable.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels, Guest Houses and B&Bs are available in town. NIL accommodation on the airfield.
2	Restaurants	Restaurants in town, no food AVBL at airfield
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	Hospital in town - 14 KM +27 23 414 8200/8237
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Apron: ASPH PCN14
2	*Designation, width, surface and strength of taxiways*	TWY A: 7.5M wide, ASPH PCN/14/F/B/X/T TWY B: 7.5M wide, ASPH PCN/14/F/B/X/T TWY C: 8M wide, ASPH and Brick PCN UNK TWY D: 8M wide, ASPH PCN/14/F/B/X/T TWY D1: 7.5M wide, ASPH PCN/14/F/B/X/T TWY D2: 7.5M wide, ASPH PCN/14/F/B/X/T
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
08	085	1485 X 30	ASPH PCN/18/F/B/X/T	321824.60S 0223926.46E	2919 FT	NIL
26	265	1485 X 30	ASPH PCN/18/F/B/X/T	321800.66S 0224015.66E	2939 FT	NIL
17	168	950 X 30	GRAV UNK	321819.42S 0223938.97E	2929 FT	NIL
35	348	950 X 30	GRAV UNK	321843.71S 0224001.00E	2923 FT	NIL
SWY dimensions (M)	*CWY dimension s (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
Remarks: 1) ACFT must adhere to TWY's and park in the parking area on the apron. 2) Circuit procedure: RWY 26 right hand, RWY 08 left hand.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
08	1485	1485	1485	1485	NIL
26	1485	1485	1485	1485	NIL
17	950	950	950	950	NIL
35	950	950	950	950	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
08	NIL	GREEN	NIL	NIL	NIL	1485M 60M WHITE	RED	NIL	See below
26	NIL	GREEN	NIL	NIL	NIL	1485M 60M WHITE	RED	NIL	See below
17	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
35	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
1) Remote activation of RWY 08/26 lights on FREQ 125.6 MHz, 5 clicks on PTT will switch the lights on, lights will go off automatically after 30 MIN.									

FABW AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	Windsock 321805.8S 0224000.3E White light Anemometer 321807.6S 0223956.3E Red Obstacle light
3	*TWY edge and centre line lighting*	Taxiway B edge lights
4	*Secondary power supply and switch-over time*	Inverter System
5	*Remarks*	NIL

FABW AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

FABW AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ The area bounded by lines drawn as follows: a) From a point at 321442.06S 0223732.65E a straight line to a point at 321233.12S 0224201.55E. b) Thence clockwise along the arc of a circle, radius 4NM, centred at 321603S 0224421E to a point at 321932.82S 0224640.62E. c) Thence a straight line to a point at 322141.89S 0224211.51E. d) Thence clockwise along the arc of a circle, radius 4NM, centred at 321812S 0223952E to the starting point at 321442.06S 0223732.65E.
2	*Vertical limits*	8000 FT ALT
3	*Airspace classification*	Class G
4	*ATS unit call-sign* *Language(s)*	Karoo Radio English
5	*Transition altitude*	NIL

6	*Remarks*	1) Except where otherwise authorised, no aircraft is to be operated within this airspace unless two-way radio contact is maintained with ATS. 2) AFIS provided by AIFA.

FABW AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
AFIS	Karoo Radio	125.6 MHz	MON-FRI: 0600-1500	Karoo Radio unmanned occasionally due to NIL flight school activity.
GFA	Beaufort West General Flying Area	124.4 MHz	TIBA	GDA-FAD 29 GND-8000FT ALT

FABW 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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FABW AD 2.20 LOCAL AERODROME REGULATIONS

Mainly a flight training school area. Extensive FLT TRG taking place. BFR entering the FABW GEN FLY AREA, all ACFT to BCST intentions on 124.4 MHz and CTC Karoo RDO ON 125.6 MHz 5MIN BFR entering the ATZ.

FABW AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FABW AD 2.22 FLIGHT PROCEDURES

1. Visiting pilots to adhere to standard unmanned joining and RCF procedures outside of HOD of ATC.
2. All INBD ACFT FM the east to RTE River road (321935S 0224647E), INBD FM the south to RTE New Beginning dam (322336S 0223731E), INBD FM the west to RTE Microwave tower (321958S 0223540E). Pilots to plan descend to cross ABV specific points at 5500FT maintaining. OUBD routings will be at the discretion of the ATC to cross the ATZ BDRY at 4500FT maintaining.

FABW AD 2.23 ADDITIONAL INFORMATION

NIL

FABW AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FACF - ST FRANCIS FIELD

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	341115.85S 0244954.85E
2	*Direction and distance from city*	17 KM S of Humansdorp
3	*Reference elevation/Reference temperature*	134FT/20°C
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	28°W (2018) 0.10'W
6	*AD operator, address, TEL, FAX, SITA, AFS*	Authority Supervising the Aerodrome: ST Francis Field Homeowners Association P O Box 447 St Francis Bay Eastern Cape 6312 CELL: 083 6113333 Email: aviation@stfrancisfield.com Website address: www.stfrancisfield.com
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	Private residential airpark. Prior permission required before landing.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ, HN
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

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

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Many B&B's in the village of St Francis Bay.
2	*Restaurants*	Many restaurants in the village of St Francis Bay.
3	*Transportation*	None (Avis has a branch in Jeffreys Bay, 30KM away).
4	*Medical facilities*	Medical practice in St Francis Bay.
5	*Bank and Post Office*	Bank and Post Office in St Francis Bay.
6	*Tourist office*	Tourist office in St Francis Bay.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	Fire station in St Francis Bay and fire tender at the airfield.
3	*Capability for removal of disabled aircraft*	2 tractors available at the airfield.
4	*Remarks*	National Sea Rescue Institute (NSRI) Station at Port St Francis.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Grass
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	RWY 10/28 marked at the end of each runway.
3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL

3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
10	081°	1100 x 23	Grass	341114.27S 0244947.55E	THR: 134 FT	0.002D
28	261°	1100 x 23	Grass	341108.88S 0245030.18E	THR: 113 FT	0.002U
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
0	0	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
0	0	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
10	1100	1100	1100	1100	NIL
28	1100	1100	1100	1100	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
10	NIL	NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	1000M, 5M, White	Red	NIL INFO AVBL	NIL
28	NIL	NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	1000M, 5M, White	Red	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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 INFO AVBL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome chart	-AD-01
RNAV (GNSS) RWY 10	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 28	-RNAV-02
Data tabulation	-RNAV-02A

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FACO

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FACO - ALKANTPAN TEST RANGE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	295559.52S 0221556.67E
2	*Direction and distance from city*	NIL INFO AVBL
3	*Reference elevation/Reference temperature*	ELEV: 3530 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *Annual change*	NIL INFO AVBL
6	*AD operator, address, telephone, telefax,* email, AFS address and, if available, *website address*	Alkantpan Test Range a Division of Armscor Business (PTY) Ltd, Private Bag x 24, PRIESKA, 8940 TEL: +27 53 355 5000 GEL:+ 27 82 551 5718 E-mail: thabishop@alkantpan.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR daylight only.
8	*Remarks*	Military and client use.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL INFO AVBL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL

2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	Restaurants	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT I
2	*Rescue equipment*	Fire extinguisher and First Aid Kit
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL

4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Apron size: 60M x 100M

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 INFO AVBL
2	*RWY and TWY markings and LGT*	RWY, THR and RWY edge markings
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET Office outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL

5	*Briefing / consultation provided*	NIL INFO AVBL
6	*Flight documentation / Language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, etc.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
14	118°T/140°M	1500M x 23 M	Gravel PCN 3	295548.17S 0221531.90E	3520.751FT	NIL INFO AVBL
32	293°T/315°M	1500M x 23 M	Gravel PCN 3	295609.02S 0221622.44E	3514.862FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
NIL	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	
14 Remarks: Safe approach slope: 4° Slopes on RWY's: Longitudinal 1: 1836 and Transverse 1:40						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
14	1500	1500	1500	1500	NIL
32	1500	1500	1500	1500	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
14	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
32	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	FREQ in use 124.8 MHz

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

Two Windsocks AVBL:
1) 295548.75S 0221539.83E
2) 295604.04S 0221616.89E

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL	NIL

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FACT

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FACT - CAPE TOWN INTERNATIONAL

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	335816.93S 0183615.45E
2	*Direction and distance from city*	7 NM SE
3	*Reference elevation/Reference temperature*	151 FT 22,2°C
4	*Geoid undulation at aerodrome elevation position*	101.2 FT
5	*MAG VAR* *annual change*	27°W (2025) 0°14' W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	Airports Company SA Ltd. Postal address: P/Bag X9002 Cape Town International Airport, 7525. Telephone numbers: AD Exchange +27 21 937 1200 ATC: +27 21 937 1116/7 ATIS: +27 21 937 1179 MET: Admin: +27 21 935 5700, Forecaster: +27 60 819 7346, Observer: +27 21 937 1250.
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	Immigration: MON-SUN: H24 Full shift: 0230-2230; 1x standby person: 2230-0230 Customs: MON-SUN: H24 Due to new immigration law, all international and regional flights arriving or departing from FACT must park on the main aprons to clear immigration. A list of service providers are available from the Apron Office as assistance may be required to and from the International Terminal. TEL: +27 21 937 1308.
3	*Health and sanitation*	Services available during scheduled operations
4	*AIS briefing office*	H24 Central AIS TEL: +27 86 035 9669, +27 11 928 6517/8
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	MON-SUN: 0200 - 1830
7	*ATS*	H24

8	*Fuelling*	-Cape Town International Fuelling Services: H24 TEL: +27 82 714 9123 - Signature Flight support: 24 HR on request TEL: +27 21 934 0350. -Execujet Aviation Group: 24 HR on request. TEL: +27 21 934 5764/ +27 82 902 3719.
9	*Handling*	H24
10	*Security*	H24
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	For slots, refer to ENR 1.9

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Capable of handling B74F. Equipment to handle single items up to 20 tonnes by special arrangement. - Menzies Aviation TEL: +27 11 920 7000, Cell: +27 83 290 2556 Email: gertvd.merwe@menziesaviation.com www.menziesaviation.com - Swissport Cargo Services TEL: +27 21 812 3815, Cell: +27 82 805 2960 Email: moenier.vardy@swissport.com - Bidair Cargo TEL: +27 21 935 6102, After HR: +27 83 283 8836 Email: wayned@bidaircargo.co.za
2	*Fuel and Oil types*	Fuel grades: JET A1, AVGAS 100; Oil grades: ASO W100, W120, 15W50 Oxygen and related servicing: Oxygen for First Aid; oxygen AVBL for replenishment of high flying ACFT.
3	*Fuelling facilities and capacity*	Jet A1 Hydrant rate 3000 L/MIN available aprons A, B and C. Two Jet A1 tankers for remote and general aviation areas rate 600 to 900 L/MIN. AVGAS-tanker refuelling only.
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	Available by prior arrangement.
6	*Repair facilities for visiting aircraft*	Repair facilities normally available: Major and minor for all types; maintenance hangars with facilities for change of engine by prior arrangement.
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	AVBL, Unlimited in Cape Town and suburb hotels; northern areas hotels.
2	*Restaurants*	Restaurants AVBL, MON-SUN: 0345 - 2230.
3	*Transportation*	Transportation: Bus to Cape Town taxis to all areas
4	*Medical facilities*	Pharmacy AVBL, MON-SUN: 0345 - 2230. TEL: +27 21 935 4445. Hospitals and clinics in town.
5	*Bank and Post Office*	AVBL, MON-SUN: 0345 - 2230.
6	*Tourist office*	AVBL, MON-SUN: 0345 - 2230.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 9; 24HR daily with trained personnel. 4 shifts, 15 firefighters per day shift and 14 firefighters per night shift. Total number of personnel is 72.
2	*Rescue equipment*	Standard firefighting equipment carried on all fire tenders in accordance with ICAO and SACAA requirements for Category 9 airport. 4 Rosenbauer CA7 - 8 x 8 fire fighting vehicles, Extinguishing medium excluding reserves: 60 000 litres water, 7200 litres foam concentrate, 2000 kg Dry chemical powder, 36 kg of Carbon dioxide. Total foam solution discharge rate: 4 x 9000 litres/minute. Reserve extinguishing medium :200% Aqueous Film Forming Foam / 220 000 litres water + 40 000 litres Rainwater / borehole water + 35 hydrants 5500kg Dry chemical powder.
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.
4	*Remarks*	Memorandum of understanding in place with the City of Cape Town Fire & Emergency Services.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Seasonal availability: All seasons

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron designation, surface and strength*	Apron A, B, C and F, concrete, PCR 700/R/B/W/U
2	*Taxiway designation, width, surface and strength*	Width: TWY A1, A2, B1, B3, D1-D5, G1, G2, E and L: 23M; B2: 22.8M, C: 21M, M: 22M Surface: ASPH; Strength: TWY A, B, C, and E: PCR 700/F/B/X/U TWY D,G, L and M: PCR 410/F/B/X/U.
3	*Altimeter checkpoint location and elevation*	Pre-flight altimeter check points and ELEV; Centre of apron 143FT; THR RWY 01-144 FT; THR RWY 16 -143 FT; THR RWY 19 - 147 FT; THR RWY 34 - 151 FT
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	See AD Chart
6	*Remarks*	- TWY “D3” and D4 restricted to light and medium ACFT only - TWY “H1” lit and marked operated by security personnel on site. - No appropriate markings and lights, pilots to EXER CTN while using TWY “T”. - ACFT manoeuvring on TWY “H1” are to EXER CTN as TWY H1, is not managed by SMC. RDO CTC to be established with SMC prior to MOV past security gate. - Juliet TWY CLSD except for MAINT of SAA ACFT. - Compass swing area on Taxiway ‘G’ closed. All related activities to move to threshold Runway 34. - 5 Power in out bays C1 - C5 in use and can be used to park aircraft nose in - No TWY shoulders provided on certain portions of B1 and B2.

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.*	1) Allocation of parking i) ACFT landing to CTC apron office on FREQ 122.65 MHz prior to top of descent or when within VHF range for parking bay allocation. Parking bays to be confirmed upon landing. ACFT to give the following INFO, ACFT type, REG, ETA, POB and last AP of DEP ii) Parking bay INFO and REG is to be transmitted to SMC on FREQ 121.9 MHz on vacating RWY for TAX instructions iii) Before entering the apron ACFT are to contact ACSA Apron office on FREQ 122.65 MHz to verify if their gate is still available. Pilots are not to enter into discussion with SMC with reference to bay allocation as this is not their function. iv) TWY G2 access into South African Police Service Airwing unavailable. 2) Operators of non-scheduled flights requiring use of the main apron must inform ACSA apron office on email address CIAApron@airports.co.za not later than 24 hours prior for parking bay allocation. The notification must contain the following information: date and time of arrival, date and time of departure, long term parking arrangements (i.e. main apron or general aviation area), Name of aircraft operator and contact details, Name of ground handler and contact details. 3) A docking system is installed on parking bays A3-A17. The system works as FLW: i. The system will display the ACFT type which means that is the type of ACFT that will park in that stand. ii. The pilot must follow the arrows displayed by the azimuth for this will guide the ACFT on the centreline of the PRKG bay. iii. The system will also display speed of ACFT. ACFT must approach at a speed of not more than 5.40 knots. iv. If it is too fast it will display slow down. v. The system will also display distance from stopping position in meters and will count down in meters as it approaches. vi. As the ACFT moves closer than 3M stopping position it will count down in 0.2 of a meter. vii. Should system be inoperative then marshalling will be as normal. 4) Pushback Procedures i) Pilots leaving AD must advise the Airport Manager, via the Apron Office of destination and the number of PAX and crew on board. Apron Office FREQ 122,65MHz, call sign “CAPE TOWN APRON”. Operators and companies may pass the above INFO by telephone to (021) 9371280 or by FAX *(021) 9340932.

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands.*	ii) Only the following information is to be passed to Cape Town Ground Control FREQ 121.9MHz prior to start up: Call-sign, Aircraft Registration, FL requested and PRKG Bay. iii) ACFT are not to request pushback until the tug is connected and ready to push. iv) An ACFT will commence pushback within 1 minute of being given pushback. v) The pilot is deemed responsible for the pushback and is to ensure that no incidents arise. vi) Essential local traffic information will be passed by air traffic control to the pilot in command for onward relay to the engineer. vii) All aircraft in addition will monitor frequency 122.65 MHz whilst on the aprons. 5) Due to reduced wing-tip clearance distances all ACFT with a wing span of 52m or greater must use apron taxiways to only access the ACFT stands on the main aprons and not as a throughfare. ACFT using apron taxiways must reduce taxi speed to 10 knots or below. 6) Due to the proximity of the service road to B10 ACFT parking bay, ACFT that power out of this bay must adhere to the taxi guide lines markings. 7) 4 power in power out parking bays (B19, B22, B25 and B28) in use on B north apron. These parking bays can also be used to park aircraft nose in. 8) All pilots operating the Boeing 777X (777-900) shall not extend the wingtips when taxing on taxiways & taxilanes. The wingtips must then remain folded for taxing to and from the parking bay. Taxiways & taxilanes are not configured to accommodate taxing code F aircrafts. The wingtips must only be extended when the aircraft is lined up at departure threshold.
2	*RWY and TWY markings and LGT*	RWY 01/19 marked and lighted, RWY 16/34 marked and lighted except the centreline only marked. All TWY centreline, holding positions and TWY/RWY intersections marked.
3	*Stop bar*	All TWY intersections leading onto RWY 01/19, TWY C and E have two stop bars each. RWY 16/34 which is part of ACFT taxi circulation is not fitted with stop bars at the intersection onto RWY 01/19. RWY 01/19 guard LGT AVBL only on the western side, nil guard LGT on the eastern side.

4	*Remark*	1) Taxiing guidance system: NIL 2) Visual aids to location: NIL 3) Indicators and ground signalling devices: WDI - LGTD 4) Gate installed across TWY “H1”. Presently lit and marked. 5) Operators wishing to use SAAF Apron must contact SAPS Airwing by TEL: +27 21 935 5109, FAX +27 21 935 5110 or email: airwingysterplaat@saps.org.za. 6) Due to the PSN of the B APN, ACFT parked at times reduce the ATC visibility of RWY 16/34 and TWY A2. OPR are to take note that although LDG and TKOF clearances are issued by ATC, these clearances are based only on these portions that are visible to ATC at the time the clearance is issued as well as the known and reported situation on the RWY at that time. 7) Marshalling signals to be strictly followed by pilots when entering parking bays. 8) For aerodrome restricted visibility refer to chart AD - 05

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	NIL INFO AVBL	184/115 FT	Lit	2.2 NM ENE
NIL INFO AVBL	Radio mast	NIL INFO AVBL	43/115 FT	Lit	3.4 NM WNW
NIL INFO AVBL	Radio mast	340754.9S 0204926E	787/196. 85 FT	Day Markings Lit	NIL INFO AVBL
NIL INFO AVBL	Radio mast	335840S 0183611E	/100 FT	Lit	50 M N TWR
NIL INFO AVBL	Radar mast	335754.25S 0183640.73E	263/99 FT	Day Markings Red/White Lit	Open topped Lattice mast
NIL INFO AVBL	Radar Tower	335730.88S 0183627.04E	/302 FT	Lit	Topped by Golf ball
NIL INFO AVBL	Standby ATC Tower	335832.26S 0183552.51E	/338 FT	Lit	Topped by Golf ball
NIL INFO AVBL	Athlone Power Station	335653.10S 0183048.55E	NIL INFO AVBL	Lit	Twin Chimneys
NIL INFO AVBL	Radio Mast	335230.78S 0183544.27E	1691/330 FT	Day Markings Red/White Lit	Tygerberg
NIL INFO AVBL	COM TWR	334931.85S 0183617.52E	NIL INFO AVBL	Day Markings Lit	Durbanville Hills

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	COM TWR	340316.22S 0182312.56E	3525/480 FT	Day Markings Red/White Lit	Constantia
NIL INFO AVBL	Radio Mast	335600.45S 0185040.10E	992/500 FT	Day Markings Lit	Papegaaiberg Stellenbosch
NIL INFO AVBL	Radio Mast	334251.16S 0185622.54E	2470/470 FT	Day Markings Red/White Lit	Paarlberg
NIL INFO AVBL	COM TWR	335352.12S 0183747.26E	/265 FT	Lit	Bellville
Simon van der Stel rifle range 1.7 NM ESE. Area 335718S 0193812E - 335730S 0183752E - 335822S 0183000E - 335908S 0183849E - 3355815S 0183843E+ GND/5000 FT. Pilots are warned to exercise CTN when flying in the Camps Bay, Lion's Head and Clifton (4th) beach. Paragliding will take place on a DLY basis in a corridor 2.5 NM wide BTN the above-mentioned points.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Cape Town
2	*Hours of service* *MET office responsible outside hours*	Observations: H24 Forecasting: 0200 - 1830 FAOR AWC +27 84 279 1151
3	*Office responsible for TAF preparation and periods of validity*	Cape Town 30 HR, 6 hourly
4	*Type of trend forecast and interval of issuance*	METAR and Trend. Every half hour between 0200 and 1900. Hourly between 1900 and 0200.
5	*Briefing / consultation provide*	Personally and telephonically
6	*Flight documentation / language(s) used*	In ICAO format available for all flight levels. English
7	*Charts and other information available for briefing or consultation*	Standard MET charts
8	*Supplementary equipment available for providing information*	Internet: http://aviation.weathersa.co.za, TEL: +27 11 390 9329 / 9330 or +27 21 367 6210 Observer's TEL: +27 11 390 9331
9	*ATS units provided with information*	TWR, APP, AREA and SMC.
10	*Additional information (limitation of service, e.t.c.)*	Normal OBS will continue and forecasting can be AVBL with 24 HR prior notice.

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
01	345°T	3201 x 61	PCR 700/F/B/X/U ASPH	335915.86S 0183632.01E	THR: 144FT TDZ: 144FT	+0.03
19	165°T	3201 x 61	PCR 700/F/B/X/U ASPH	335735.43S 0183600.18E	THR: 147FT TDZ: 147FT	-0.03
16	135°T	1701 x 46	PCR 410/F/B/X/U ASPH	335740.96S 0183550.89E	THR: 143FT	+0.14
34	315°T	1701 x 46	PCR 410/F/B/X/U ASPH	335820.14S 0183637.56E	THR: 151FT	-0.14
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	329 X 61	3322 X 300	240 X 120	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	240 X 61	3322 X 300	190 X 120	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	1820 X 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	1820 X 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks

1) Local flying instructions: The intentional use of the AD is restricted to ACFT equipped with a functioning TRANS and REC which will permit two-way communication with the TWR.

2) RWY 16/34 available as TWY for all Classes of aircraft.

3) When RWY 19 is in use all ARR ACFT to EXP CLR for ILS Z unless otherwise directed by ATC.

4) Forward scatter metres used to assess RVR along RWY 01/19. Observation representative of TDZ, RWY mid-point and stop end of RWY 01/19

5) No 180º turns for medium and heavy ACFT on RWY 01/19 other than at the RWY THR and INT of TWY E and TWY C for instances of TWY closures.

6) For Light/Medium ACFT:

a. When RWY 19 is in use, plan to vacate at TWY C without DLA.

b. When RWY 01 is in use, plan to vacate at TWY E or RWY 34 without DLA.

For heavy ACFT:

a. When RWY 19 is in use, plan to vacate at TWY B or C without DLA.

b. When RWY 01 is in use, plan to vacate at TWY A, TWY E or RWY 34 without DLA.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
01	3201	3530	3201	3201	See Below
19	3201	3441	3201	3201	NIL
16	1701	1701	1701	1701	NIL
34	1701	1701	1701	1701	NIL
Note: RWY 01 INT TWY C TORA and ASDA 2080, RWY 19 INT TWY E TORA and ASDA 1875, RWY 19/RWY 16/34 INT TORA and ASDA 2630					

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
01	PALS CAT III	Green	3°	600M	3200M 15M White last 600M Red	3201M 60M White last 600M Yellow	Red	NIL	Centre-line, touchdown zone and edge lights
19	PALS CAT II	Green	3.2°	600M	3200M 15M White last 600M Red	3201M 60M White last 600M Yellow	Red	NIL	Centre-line, touchdown zone and edge lights
16	NIL	Green	3° LHS	NIL	NIL	1701M, 60M White and last 600M Yellow	Red	NIL	NIL INFO AVBL
34	NIL	Green	3° LHS	NIL	NIL	1701M, 60M White and last 600M Yellow	Red	NIL	NIL INFO AVBL

Remarks:
Note: (PAPI RWY 19)
A mast on top of the Tygerberg Mountain is situated within the PAPI coverage area for RWY 19. The mast is situated outside the obstacle limitation surface applicable to instrument approaches. Pilots on VFR flights must note that as the mast is situated at 11.8° azimuth from the extended centerline and has a vertical angle of 2.41° VFR flights are not to establish a glideslope on the PAPI beyond 5 NM from the threshold of RWY 19. Guard lights available on the western side of RWY 01/19.

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL Four on AD, two LGT
3	*TWY edge and centre line lighting*	Edge: blue
4	*Secondary power supply and switch-over time*	AVBL to all lighting/APP and RWY LGT on UPS TWY LGT 15 SEC
5	*Remarks*	Apron edge, OBST and Apron floodlights

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	Helicopter arrival and departure zone. AD -07 a) Helicopters must arrive/depart by making use of the designated approved arrival/departure zones, either zone 1 at the intersection of TWY H1 and H3 or zone 2 at TWY H5. At these points, on departure FREQ 118.1 MHz b) Helicopters to remain at designated points for the minimum amount of time coincident with a safe departure or arrival. On arrival they must monitor FREQ 121.9 MHz for movement within general aviation area. c) Pilots to EXER CTN when arriving/departing as these arrival/departure zones are on active fixed wing aircraft taxiways. d) Helicopters may not over-fly the fuel farms, Airport Terminal and ATC TWR.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR The area bounded by lines drawn as follows: excluding FAP 33 a. From a point at 340900S 0183430E a straight line to a point at 335900S 0183130E b. Thence a straight line to a point at 335900S 0182900E c. Thence a straight line to a point 335630S 0182900E d. Thence clockwise along the arc of a circle radius 2.5 NM centred at 335404S 0182951E, to a point 335135.65S 0183018.35E. e. Thence a straight line to a point 334930S 0182830E. f. Thence clockwise along the arc of a circle, radius 11 NM and centre at 335810S 0183621E, to a point 334900S 0184300E g. Thence a straight line to a point 340330S 0184800E. h. Thence clockwise along the arc of a circle, radius 11 NM and centre at 335810S 0183621E, to the starting point 340900S 0183430E
2	*Vertical limits*	Upper limit CTR: 2 500 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	English
5	*Transition altitude*	Transition altitude: 7 500 FT
6	*Remarks*	1. Except where otherwise authorized, no aircraft is to be operated within this airspace unless two-way radio contact is maintained with air traffic control.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ACC RSR	Cape Town Control	125.1 MHz transmits/receives	H24	VHF extended range relay STN 125.1 MHz - FASL, FABW, FAGG, FAAB, FAAG, FAPK, FAVW, Leliefontein, Piketberg

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ACC RSR	Cape Town Information West	131.125 MHz transmits/receives	DLY BTN 0500 - 1700	VHF extended range relay STN 131.125 MHz - FASL, FABW, FANV, FAAG, Jonaskop. Pilots to follow unmanned procedures outside hours of service.
ACC RSR	Cape Town Information East	127.575 MHz, 124.7 MHz FPL and SAR	DLY BTN 0500-1700	Pilots to follow unmanned procedures outside hours of service.
APP TAR	Cape Town Approach	119.7 MHz transmits/receives	H24	VHF extended range relay STN 119.7 MHz Jonaskop.
TWR	Cape Town Tower	118.1 MHz transmits/receives	H24	OPR-monitoring of TFC only
Cape Town Director	Cape Town Director	124.35 MHz	During high traffic volumes	NIL
Cape Town Clearance Delivery	Delivery	122.100 MHz	MON-FRI: 0330-1700 SAT: 0500-1500 SUN: 0500-1700	NIL
SMC	Cape Town Ground	121.9 MHz transmits/receives	H24	OPR-monitoring of TFC only
ATIS VHF	NIL INFO AVBL	127.000 MHz	0330 - 2200	Remote broadcast STN located at FASL on FREQ. 127.600 MHz.

Remarks

ATC training taking place on all operational frequencies. Exact time and frequencies available on ATIS.

IFR traffic departing during hours of service is to contact Cape Town Clearance Delivery prior to start to obtain Aerodrome After Departure ATC Clearance.

IFR traffic departing outside hours of service of Cape Town Clearance Delivery to contact SMC to obtain Aerodrome information and to receive After Departure ATC Clearance.

ADDITIONAL ATS OPERATIONAL SERVICE & FREQUENCY

a) In order to ease pressure on the Aerodrome control service at Cape Town during periods of high traffic demand an additional Aerodrome control Sector will be in operation during times of high traffic demand.

b) The additional Aerodrome service will be provided on frequency 122.100 MHz and will use the callsign “Cape Town Clearance Delivery”. Only aircraft departing from Cape Town will use this service.

c) Hours of duty of the service will be Monday to Friday 0330 to 1700, Saturday 0500 to 1500 and Sundays 0500 to 1700.

d) IFR Aircraft departing during hours of service is to contact Cape Town Clearance Delivery prior to start to obtain aerodrome information and to receive After Departure Air Traffic Control Clearance.

e) IFR aircraft departing outside Cape Town Clearance Delivery hours of duty is to contact SMC on frequency 121.9 MHz to obtain Aerodrome information and to receive After Departure Air Traffic Control Clearance.

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC (RWY 19) CAT II	KSI	109.1 MHz	H24	335924.5S 0183634.8E	NIL INFO AVBL	NIL INFO AVBL
ILS GP (RWY 19) CAT II	NIL INFO AVBL	331.4 MHz	H24	335745.3S 0183608.1E	NIL INFO AVBL	GP angle 3.2° GP ALT. at 5.4d “KS” 1973FT. GP ALT. at 2d “KS” 826 FT. Reference datum height (RDH) 63 FT.
ILS LOC (RWY 01)	CTI	110.3 MHz	H24	335724.1S 0183556.6E	NIL INFO AVBL	OPR WI ICAO CAT IIIB tolerances and is AVBL without any restrictions.
ILS GP (RWY 01)	NIL INFO AVBL	335 MHz	H24	335903.6S 0183634.2E	NIL INFO AVBL	OPR WI ICAO CAT IIIB tolerances and is AVBL without any restrictions. GP angle 3.0°. GP ALT. at 5.8d “CT” 2000 FT. GP ALT. at 3.7d “CT” 1320 FT. GP ALT at 0.8d “CT” 390 FT. RDH 65 FT.
VOR	CTV	115.7 MHz	H24	335810.82S 0183618.19E	146 FT	NIL INFO AVBL
UHF DME	CTV	1191 MHz 104X	H24	335810.82S 0183618.19E	NIL INFO AVBL	Channel 104 X coaxially collocated with the VOR
DME	CTI	110.3 MHz	H24	335903.6S 0183634.2E	NIL INFO AVBL	DME CT collocated with ILS GP antenna
DME	KSI	109.1 MHz	H24	335745.3S 0183608.1E	NIL INFO AVBL	DME KS collocated with ILS GP antenna

AD 2.20 LOCAL AERODROME REGULATIONS

Parking Area for small aircraft

(General Aviation)

1. The general aviation area comprises of TWY H1 west of the taxiway gate and all associated taxiways. There is no SMC service provided on these taxiways.
2. Operators must exercise caution when operating in the area as there is a mixture of fixed wing and rotary wing operations. Standard operating procedures have been developed to accommodate this mixed operations and visiting operators are advised to request for Standard operating procedures from the hangar service provider where they will be parking.
3. Operators must exercise caution when operating in the area as there may be vehicles on taxiways and/or pedestrians crossing.
4. During hover and taxiing, helicopters must avoid blowing down wash into hangars or onto other objects.
5. All helicopters operating in the vicinity of a taxiway on the movement area, including those landing and taking off from General aviation hangar area shall comply with Air Taxi Regulations. Therefore any helicopter operating in the aforementioned areas, below 100FT AGL, shall not exceed a speed of 20 knots.

AD 2.21 NOISE ABATEMENT PROCEDURES

1) Unless otherwise authorised by ATC the maximum speed applicable to jet aircraft shall comply with noise abatement as laid down in ENR 1.5.
2) Noise abatement SID procedures for jet aircraft laid down in ENR 1.5.
3) Avoid over flying Tygerberg hospital, 3 NM N of AD, when taking off from RWY 01 and 34.
4) No jet aircraft to use RWY/TWY intersection for take off between 2000 to 0400.
5) No engine run-ups shall be allowed between 2000 to 0400, unless in an emergency.

AD 2.22 FLIGHT PROCEDURES

For IFR Operations

a) All IFR operations (fixed and rotary wing) are to call ATC on FREQ 121.9 MHz for start up clearance, indicating their position and TWY. All other traffic within general flying area shall maintain a listening watch on this FREQ in order to establish other aircraft operations.
b) All aircraft shall monitor FREQ 121.9 MHz, prior to and during any movement under power and all aircraft shall maintain a listening watch on 121.9 MHz until required by ATC to change FREQ 118.1 MHz as appropriate.
c) It is the responsibility of the Pilot in Command to see and be seen at all times.
d) RNAV equipped aircraft departing from the FACT TMA for destinations: FAGC, FAWB, FASK and FAWK, are to use the RNAV route: KODES UQ42 OKLOK UQ52 EGPOP. RNAV equipped aircraft departing from the FACT TMA for destination: FAGM, are to use RNAV route TETAN UZ2 NIBEX.
e) Non-standard clearance for RWY 01: AFT DEP RWY 01 climb to FL090 MNTN RWY track to 3DME CTV, then turn left 330DEG to intercept RDL 354 CTV OUBD. Further climb and routing will be under radar CTL. At OKTED/ TETAN set course as per FPL. RCF PROC (squawk 7600): MNTN FLT ALT if higher than MSA for a period of 7MIN. Further CONT as per FPL RTE and climb to FPL LVL.
f) Non-standard clearance for RWY 19: AFT DEP RWY19 climb to FL090 MNTN RWY track. Further climb and routing via KODES will be under radar CTL. At KODES set course as per FPL. RCF PROC (squawk 7600): MNTN FLT ALT if higher than MSA for a period of 7MIN. Further CONT as per FPL RTE and climb to FPL LVL.

Procedures for VFR flights within the TMA

All Helicopters departing to contact Ground on frequency 121.9 MHz for start approval.

Circuit: 1500 FT ALT

AD 2.23 ADDITIONAL INFORMATION

1. All signals relating to flight plans and ACFT movements or delays to be addressed to both FACTZQZX and FACTYFYR.
2. EVUKI and DUGLU are not to be used on FPL for arriving ACFT to DEST FACT. FPL to be filed VIA ASPIK, ERDAS OR GETEN
3. All VFR fixed wing ACFT, including local FLT, INBD and OUBD FM FACT to file FLT plans. Rotary wing ACFT will be accommodated on AD-HOC basis at ATC discretion.
4. All fixed wing VFR FLT INBD and OUBD FM CTR to file FPL. All police, MIL, MEDEVAC and HOSP VFR FLT are exempted. All VFR FLT requesting circuit training to contact TWR on +27 21 937 1116/1101 at least 30MIN prior to requesting start.
5. High bird prevalence at AD FM OCT to MAR. Pilots to EXER CTN DRG take-off and LDG.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Ground Movement Chart	-AD-02
Aircraft Parking/Docking Chart	-AD-03
Aircraft Parking/Docking Chart	-AD-04
Restricted Visibility Chart	-AD-05
Hot Spot	-AD-06
Helicopters ARR/DEP Zone Chart	-AD-07
ILS RWY 01	-ILS-01
Data tabulation	-ILS-01A
ILS Z RWY 19	-ILS-02
Data tabulation	-ILS-02A
VOR Z RWY 01	-VOR-01
ERDAS 1B STAR 19	-ARR-06
GETEN 1B STAR 19	-ARR-07
ASPIK 1B STAR 19	-ARR-08
ERDAS 1C STAR 01	-ARR-10
Data tabulation	-ARR-10A
ASPIK 1C STAR 01	-ARR-11
Data tabulation	-ARR-11A
GETEN 1C STAR 01	-ARR-12
Data tabulation	-ARR-12A
KODES 1A SID 01	-DEP-02
IMSOM 1A SID 01	-DEP-03
TETAN 1A SID 19	-DEP-05
TETAN 1B SID 19	-DEP-06
IMSOM 1B SID 19	-DEP-08
OKTED 1B SID 19	-DEP-09
OKTED 1C SID 19	-DEP-10

RNAV (GNSS) RWY 01 Data tabulation RNAV (GNSS) RWY 19 Data tabulation Radar Terrain Clearance Chart	-RNAV-05 -RNAV-05A -RNAV-06 -RNAV-06A -RAD-01
The following charts are AVBL on CAA website: www.caa.co.za Precision APCH Terrain Chart RWY 01 Precision APCH Terrain Chart RWY 19 AD OBST Type A AD OBST Type A	The following charts are AVBL on CAA website: www.caa.co.za -PATC-01 -PATC-02 -OBST Type A-01 -OBST Type A-02

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FAEL

FAEL AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAEL - KING PHALO

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	330206.43S 0274916.86E Mid-point of aerodrome
2	*Direction and distance from city*	5 NM W EAST LONDON
3	*Reference elevation/Reference temperature*	435 FT 22.9º C
4	*Geoid undulation at aerodrome elevation position*	97.0 FT
5	*MAG VAR* *annual change*	30º W (2023) 0°20' W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	AD CHF: Airports Company South (ACSA) Private Bag X109, KING PHALO Airport 5200. AD CHF: +27 43 706 0304 Local Airport Manager: +27 43 706 0300 Assistant Manager Coordination: +27 43 706 0316 Manager: Airfield Services: +27 43 706 0361 Terminal and Landside Manager +27 43 706 0316 E-Mail: Nicola.Smith@airports.co.za Security: +27 43 706 0347 (Passenger) +27 43 706 0352 (Perimeter) Fire &Rescue: +27 43 706 0311 INFO: +27 43 706 0306 ATC TEL: +27 43 736 6161/706 0259 ATC FAX: +27 43 736 6014 AIS Brief: +27 43 736 6921 E-Mail: faelatc@atns.co.za MET TEL: +27 43 736 1911 FAX: +27 43 736 3208 ACSA Apron Services: +27 43 706 0311 AFS: FAELZTZX
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD HOD MON–FRI: 0400-1830 SAT: 0445-1700 SUN: 0545-1830 Public holidays same as weekdays. AD Administration: MON-FRI: 0600-1430. After Hours: Service available on request. See AD 2.3 (12)
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	NIL service. Operators to contact OR Tambo International AIS unit. Contact details: TEL No: +27 86 035 9669; +27 11 928 6517 FAX No: +27 11 928 6514
5	*ATS reporting office (ARO)*	MON - FRI: 0400-1830, SAT: 0445-1700, SUN: 0545 -1830, Public HOL same as weekdays.
6	*MET briefing office*	MON–FRI: 0230-1900, SAT: 0300-1830, SUN: 0300-1900.
7	*ATS*	MON - FRI: 0400-1830, SAT: 0445-1700, SUN: 0545-1830, Public HOL same as weekdays.
8	*Fuelling*	JET A1, AIR BP: MON-FRI: 0400-1830; SAT: 0500 -1600,SUN: 0500-1830. AVGAS, AIR BP: MON-FRI: 0700–1600; SAT: 0500-1500, SUN: 0500-1500. Public HOL same as weekends
9	*Handling*	Apron Office: MON: 0430 – 1830 TUE - FRI: 0330 -1830, SAT: 0530 -1600, SUN: 0600 -1830, PUBLIC HOL same as weekdays. All private operators are responsible to secure their own aircraft.
10	*Security*	Perimeter General: H24 Passenger screening: MON - FRI: 0330-1830 SAT: 0530 -1600; SUN 0530 -1830. PUBLIC HOL same as weekdays
11	*De-icing*	NIL
12	*Remarks*	ACFT wishing to use the AD outside the AD HRS must obtain permission from Aerodrome Operator. REF. AIC 40.1.1.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Lower deck facilities

2	*Fuel and Oil types*	JET A1, AVGAS. Supplier: Puma energy: TEL: +27 43 736 6066 FAX: +27 43 736 1692. After hours contact: Zanoxolo Mgudlwa: +27 67 901 3219 or SP Moyani: +27 83 636 5223 Special arrangements are made for non-scheduled aircraft.
3	*Fuelling facilities and capacity*	Road Tanker Bowser. AVGAS - 80 000 Litres Available JET A1 - 272 000 Litres Available
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	Limited facilities Available
7	*Remarks*	NIL ACFT weighing more than 5700KG allowed to park at the GA hangars.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	None on Airport. A number of hotels in City ranging from one to five star. Also a variety of Guest Houses, Bed & Breakfast units and holiday accommodation.
2	*Restaurants*	Licensed Restaurant in Terminal. Coffee shop in departure terminal area. All other restaurants in city centre.
3	*Transportation*	Taxis Car Rentals
4	*Medical facilities*	First Aid room AVBL at AD, Hospitals in city.
5	*Bank and Post Office*	ATM's & Letter Box at AD, Post Office in Greenfields.
6	*Tourist office*	BCM Tourism information located at AD.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	Category VII during AD Operational Hours. See Remarks. Two shifts (8 Aerodrome Rescue Fire Fighter's per shift) covering AD operational hours.
2	*Rescue equipment*	Equipment in line with ICAO requirement for Category 7: Hydraulic Spreader / Cutter (Jaws); Power saws and cutters; Portable lighting equipment; Small gear and tools; 2 Macro Crash Tenders with total capacity of not less than 12100 litres of water and 2000 litres of foam compound; Complimentary agents, 500 kg dry chemical powder; 200% extinguishing media stock maintained.
3	*Capability for removal of disabled aircraft*	MOU in place with external service provider

4	*Remarks*	Fire Fighting and Rescue Services HOD: MON–FRI: 0400–1830 SAT: 0445-1700 SUN: 0545-1830 After HRS: service available on request. See FAEL AD 2.3 (12).

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	Not applicable. AD serviceable during all seasons.
2	*Clearance priorities*	N/A.
3	*Remarks*	Occasionally fog bound at end of winter period.

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION/POSITIONS DATA

1	*Apron surface and strength*	Jointed Concrete Panels / PCR 524/F/B/X/U
2	*Taxiways width, surface and strength*	23 M / ASPH / PCR 524/F/B/X/U
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR check points*	NIL INFO AVBL
5	*INS check points*	NIL INFO AVBL
6	*Remarks*	Parking Procedures: Marshal Parking. Push- back for Code C aircraft when two or more Code C aircraft on apron. All other aircraft Power in power out (PIPO). Engine Run-ups above ground idle only allowed on threshold of Runway 24. TWY B (from RWY 06 holding point till TWY G INT) CLSD.

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.*	Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. Guide lines at apron. Nose-in guidance at aircraft stands. For aerodrome restricted visibility refer to chart AD - 02.
2	*RWY and TWY markings and LGT*	RWY Markings: Designation, THR, TDZ, Aiming Point, Centre line and Edge lines. TWY Markings: Centre line, holding positions at TWY/RWY intersections. RWY LGT: THR, RWY Edge, RWY End. ALS LGT RWY 11/29 - CAT 1. TWY LGT: TWY Edge. RWY Closure LGT RWY 11/29 and RWY 06/24.

3	*Stop bar*	Stop bars are fitted at all intersections for Both Main Runways 11/29 and secondary Runway 06/24. No crossing of red stop bar lights shall be allowed unless specifically approved by ATC. In adverse weather conditions and LVP's, follow me vehicle will be provided upon request.
4	*Remark*	a. Aircraft inbound are to contact King Phalo Apron on frequency 122.65 MHz at least 10 minutes prior to arrival with the following information: Point of Departure, ETA and Persons on Board, a Parking bay will then be issued by the Apron Controller. b. Aircraft outbound from King Phalo are to contact King Phalo Apron on frequency 122.65 MHz, with Destination and People on Board, before requesting start on Tower Frequency 118.3 MHz c. Aircraft contacts ATC on FREQ 118.3 MHz for start and taxi clearance. d. Where power-out procedures are followed, noise levels must be kept at minimum.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Tower 7	330213.80S 0275050.84E	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL INFO AVBL	Tower 8	330208.52S 0275051.43E	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL INFO AVBL	Tower 9	330204.13S 0275051.91E	NIL INFO AVBL	Day and NGT markings, Balls on conductors	Eskom power lines 1360 M E of THR RWY 29.
NIL INFO AVBL	Tower 10	330156.45S 0275052.73E	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL INFO AVBL	Tower 11	330145.02S 0275053.96E	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL INFO AVBL	APOLLO LT_42518_4	325944.82S 0274941.15E	658,096 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	ANTENNA_	330517.68S 0274455.51E	748,788 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	CAM02 POLE	330215.15S 0274948.99E	514,996 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	DUN_ATEC284B	330022.22S 0275130.34E	560,540 FT	NIL INFO AVBL	NIL

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	GRAH_ATEC181	325927.77S 0274913.51E	749,523 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	HOUSE No 31	330231.96S 0274859.37E	511,741 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	K3_370_LP	330235.75S 0274909.33E	498,444 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	K3_371_LP	330236.47S 0274910.35E	503,782 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	K3_372_LP	330236.98S 0274911.06E	505,409 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	LAFARGE SILO	330240.63S 0274826.66E	566,006 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	MAST_GATELY	330148.04S 0275313.37E	376,699 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	MAST_SETTLERS	330210.75S 0275039.32E	588,624 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	MTN MAST_T5076	330539.62S 0274702.48E	505,166 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	MTN_PARKSIDE	330048.70S 0275302.87E	356,771 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	MAST BUFF_ATEC341	330119.25S 0275221.10E	476,715 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	SCE_ATEC205B	325938.45S 0274959.75E	694,782 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	TELKOM MAST_AMALINDA	325930.49S 0275153.56E	1469,590 FT	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Chief Dawid Stuurman Airport
2	*MET office responsible outside hours*	Observations 0230-1900 Forecasting 0200-1900 +27 82 233 9700 FAOR +27 82 233 9600/8800

3	*Office responsible for TAF preparation and periods of validity*	Port Elizabeth 9-11 HR, 3 Hourly
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	In ICAO format available for all flight levels. English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	Internet: http://aviation.weathersa.co.za, Fax on demand: +27 82 289 2010
9	*ATS units provided with information*	TWR, APP, Area
10	*Additional information (limitation of service, etc.)*	+Routine Observation station only.

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWYNR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	082º T 112º M	1937 x 45	ASPH PCR 524/F/B/X/U	330213.96S 0274843.01E 96.079 FT	THR: 434FT TDZ: 426FT	-0.007%
29	262º T 292º M	1937 x 45	ASPH PCR 524/F/B/X/U	330205.17S 0274956.91E 96.151 FT	THR: 386FT TDZ: 397FT	+0.007%
06	037º T 067º M	1583 x 45	ASPH PCR 524/F/B/X/U	330231.14S 0274913.08E 96.082 FT	THR: 392FT TDZ: 398FT	+0.002%
24	217º T 247º M	1583 x 45	ASPH PCR 524/F/B/X/U	330150.07S 0274949.78E 96.165 FT	THR: 406FT TDZ: 401FT	-0.002%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	300 x 150	2059 x 150	160 x 150	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	160 x 150	2059 x 150	300 x 150	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	300 x 150	1705 x 150	160 x 150	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	160 x 150	1705 x 150	300 x 150	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks:
1. Circuit: Turbine powered: 2000FT ALT; Reciprocating engine-powered ACFT: 1400 FT ALT.
2. Pilots to avoid sharp turns on RWY 06/24 to reduce erosion on the ASPH SFC.
3. Informal settlement on the 11/29 APCH.

AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	1937	2237	1937	1937	NIL
29	1937	2097	1937	1937	NIL
06	1583	1883	1583	1583	NIL
24	1583	1743	1583	1583	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	PALS Cat 1 908 M	Green	PAPI APCH slope 3º	N/A	N/A	LEN: 1816 M. Space: 58.6 M Bi-directional White. Last 586 M Yellow	Red	N/A	NIL
29	PALS Cat 1 930 M	Green	PAPI APCH slope 3º	N/A	N/A	LEN: 1816 M. Space: 58.6 M Bi-directional White. Last 600 M Yellow	Red	N/A	NIL
06	NIL	Green	PAPI APCH slope 3º	N/A	N/A	White	Red	N/A	NIL
24	NIL	Green	PAPI APCH slope 3º	N/A	N/A	White	Red	N/A	NIL

Remarks
After 15 minutes airfield lights will automatically switch off. If required the procedure may be repeated to a further 15 minute period.

The activation of this system is based purely on improving safety at the aerodrome and comes with two conditions for use, these are:
1) Can be used for emergency situation.
2) Non-emergency type services/requests by prior arrangement only.

CLICK SYSTEM BRILLIANCE SETTINGS
Runway 11 / 29: 3 Clicks on 10%, 5 Clicks on 30%, 7 Clicks on 30%,
Approach 11 /29: 3 Clicks on 3%, 5 Clicks on 10%, 7 Clicks on 30%,
PAPI 11 / 29: 3 Clicks on 3%, 5 Clicks on 10%, 7 Clicks on 30%,
All taxiway lights: 3 Clicks on 30%, 5 Clicks on 30%, 7 Clicks on 30%,
All apron lights: 3 Clicks on 70%, 5 Clicks on 70%, 7 Clicks on 70%,

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*IBN location, characteristics and hours of operation*	None
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	TWY Edge light blue.
4	*Secondary power supply and switch-over time*	15 seconds
5	*Remarks*	Aerodrome Obstacle lighting and Floodlight lighting on apron.

AD 2.16 HELICOPTERS LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	On apron not marked. Marshalled Landing/Parking.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR (a) From a point at 331422.64S 0273852.75E,clockwise along the arc of a circle, radius 15NM and centred at 330213.16S 0274923.36E to a point at 325533.67S 0273323.73E. (b) Thence a straight line to a point at 325506.75S 0280053.22E. (c) Thence clockwise along the arc of a circle, radius 12NM, and centred at 330213.16S 0274923.36E to a point at 330857.41S 0280112.74E. (d) Thence a straight line to the starting point at 331422.64S 0273852.75E.
2	*Vertical limits*	GND - 2 500 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	East London Tower English
5	*Transition altitude*	7000 FT
6	*Remarks*	1) Except where otherwise authorized, no aircraft is to be operated in this airspace unless two-way radio contact is maintained with air traffic control. 2) See ENR 2.2 page 2 paragraph 2.2.2 for special procedures in place below FAEL TMA between Gonubie and Kei Mouth.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	East London tower	118.3 MHz transmits and receives	MON -FRI: 0400–1830 SAT: 0445-1700, SUN:0545-1830. Public HOL same as weekdays.	NIL
APP	East London Approach	120.1 MHz transmits and receives	MON -FRI: 0400–1830 SAT: 0445-1700, SUN: 0545-1830. Public HOL same as weekdays	NIL
APRON OFFICE	ALPHA OSCAR	122.65 MHz transmits and receives	MON: 0400–1830 TUE - FRI: 0330 - 1830 SAT: 0530-1600 SUN: 0600-1830 Public HOL same as weekdays. All private operators are responsible to secure their own aircraft.	Limited Fire Services (CAT V) provided for the first 45 minutes from TUE – FRI and 30 minutes on SAT. After HRS. Service available on request. See AD 2.3 (12)

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS VHF	NIL INFO AVBL	126.650 MHz	MON: 0430-1900; TUE - FRI: 0400-1900 SAT: 0530-1600, SUN: 0600-1900, Public HOL same as weekdays	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC (RWY 29)	ELI	109.9 MHz transmits	H24	330215.06S 0274833.69E	428 FT	ICAO CAT I
ILS GP (RWY 29)	NIL INFO AVBL	333.8 MHz transmits	H24	330202.58S 0274945.59E	391 FT	ICAO CAT I. Glide-slope angle 3DEG.
UHF DME	ELI	997 MHz transmits and 1060 MHz receives	H24	330202.58S 0274945.59E	NIL INFO AVBL	Channel 36X coaxially co-located with GP
VOR	ELV	114.5 MHz transmits	H24	330213.16S 0274923.36E	406 FT	Scalloping occurs BTN RDL 120 and 180
UHF DME (TACAN)	ELV	1179 MHz transmits & 1116 MHz receives	H24	330213.16S 0274923.36E	NIL INFO AVBL	Channel 92X. Coaxially located with VOR
ILS LOC (RWY 11) CAT I	BSI	110.9 MHz receives	H24	330203.81S 0275008.31E	378 FT	Front course only AVBL. Front course sector angle 5,2DEG. Coverage outside +/- 35DEG NIL.
ILS GP (RWY 11) CAT I (Note 1)	NIL INFO AVBL	330.8 MHz	H24	330208.53S 0274855.69E	427 FT	GP Angle 3DEG.

UHF DME	BSI	1007 MHz transmits and 1070 MHz receives	H24	330208.53S 0274855.69E	NIL INFO AVBL	Channel 46X. Coaxially co-located with GP.
Notes: (1) To be used only within sector 8º either side of LOC front course line to a distance of 11 NM from LOC.						

AD 2.20 LOCAL AERODROME REGULATIONS

1) Airport Regulations
2) Taxiing to and from stands
3) Parking area for small aircraft
4) Parking area for helicopters.
5) Apron - taxiing
6) Taxiing - limitations.
7) School and training flights - technical test flights - use of runways.
8) Helicopter traffic - limitations.
9) Removal of disabled aircraft from runways.

AD 2.21 NOISE ABATEMENT PROCEDURES

1) As per ENR. 1.5
2) No engine run-ups will be allowed on the Apron without permission from AD CHF.

AD 2.22 FLIGHT PROCEDURES

ENR 1.1 General Rules
ENR 1.2 Visual Flight Rules
ENR 1.3 Instrument Flight Rules
ENR 1.4 ATS Airspace Classification
ENR 1.5 Approach and Departure Procedures
ENR 1.6 Radar Services and Procedures
ENR 1.7 Altimeter Setting Procedure
ENR 1.8 Regional Supplementary Procedures
ENR 1.9 Air Traffic Flow Management
ENR 1.10 Flight Planning
ENR 1.11 Addressing of Flight Planning
ENR 1.12 Interception of Civil Aircraft
ENR 1.13 Unlawful Interference
ENR 1.14 Air Traffic Incidents

AD 2.23 ADDITIONAL INFORMATION

Bird Activities on AD

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
Restricted Visibility Chart	-AD-02
ILS Z RWY 11	-ILS-01
Data Tabulation	-ILS-01A
ILS RWY 29	-ILS-03
Data Tabulation	-ILS 03A
VOR RWY 11	-VOR-01
VOR Z RWY 29	-VOR-02
VOR Y RWY 29	-VOR-03
Radar Terrain Clearance	-RAD-01
RNAV (GNSS) RWY 11	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 29	-RNAV-02
Data tabulation	-RNAV-02A

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FAGC

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAGC - GRAND CENTRAL

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	255913.44S 0280825.97E Mid-point of aerodrome
2	*Direction and distance from city*	1 NM NE of Halfway House
3	*Reference elevation/Reference temperature*	5325 FT
4	*Geoid undulation at aerodrome elevation position*	83.5 FT
5	*MAG VAR* *annual change*	20°W (2024) 0.15° W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	PUB AD CHF: Grand Central Airport Pty Ltd., P.O.Box 36, Halfway House, 1685. TEL: +27 11 805 3166/7/8 FAX: +27 11 3150194 Website: www.grandcentral.co.za ATS TEL: +27 11 315 3534 AFTN: FAGCZTZX
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	1) Use of AD by microlight ACFT not permitted except in emergency and at airshows 2) All pilots using the aerodrome should take note of the terms and conditions on the website.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: H24
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL
7	*ATS*	ATC HOD: MON - SUN: 0400-1600.Public holidays as per NOTAM.
8	*Fuelling*	Supplier: Puma aviation H24 TEL: +27 11 805 3166 A/H TEL:+27 11 805 3185
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL

12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL service AVBL
2	*Fuel and Oil types*	Jet A1, AVGAS 100LL Aeroshell Oil: S100, W100 and W100 plus.
3	*Fuelling facilities and capacity*	Jet A1 - 78 000L, Jet A1 bowser 5000L AVGAS - 74 000L, AVGAS bowser 1000L
4	*De-icing facilities*	NIL service AVBL
5	*Hangar space for visiting aircraft*	NIL service AVBL
6	*Repair facilities for visiting aircraft*	Superior Aeroworks: +27 11 315 5328 Hover Dynamics: +27 11 315 1834
7	*Remarks*	Method of payment accepted, Master, Visa, Diners card and AMEX. No cash accepted.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	0400-1600 Daily CAT 3
2	*Rescue equipment*	4 Breathing apparatus and 4 tonne Porta Power with separators and ram bars.
3	*Capability for removal of disabled aircraft*	Superior Aeroworx TEL: +27 11 315 5328 or +27 74 724 7874
4	*Remarks*	4 Personnel per shift, 1500L for foam production and 300KG Dry Chemical Powder.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	Zulu, 10.6 M, Asphalt, LCN 45
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	No helicopter skidding permitted.

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 INFO AVBL
2	*RWY and TWY markings and LGT*	RWY LGT, TWY green centerline reflectors.
3	*Stop bar*	NIL
4	*Remark*	For aerodrome restricted visibility refer to chart AD - 02.

AD 2.10 AERODROME OBSTACLES

In Area 2				
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*
a	*b*	*c*	*d*	*e*
NIL INFO AVBL	Radio Mast	NIL INFO AVBL	4916 FT	NIL INFO AVBL
Remark Building are OBSC the view from the tower to the holding point of RWY 17. Pilots to EXER extreme CTN. CCTV is installed to view holding point RWY 17 THR from TWR Blasting 3 NM N PSN 255618S 0280810E MON-FRI: 1000 - 1100 & 1300 - 1500(Rossway Quarries) & 3 NM SSW PSN 260147.40S 0280655.59E MON-FRI 0600 - 1200 (Jukskei Quarries). Hippo Quarries inform AD 60 min before blasting. Danger height in both instances 1 000 FT GND Jukskei Quarry Afrisam aggregate, Midrand 260147.40S 0280655.59E: BLASTING (1640FT AGL) taking place MON -FRI: 0800 - 1430. Pilots ADZ to avoid overflying the blasting area.				

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	O R TAMBO INTL
2	*Hours of service* *MET office responsible outside hours*	No MET Station FAOR +27 (082) 233 9600/8800
3	*Office responsible for TAF preparation and periods of validity*	FAOR on special request. 9-11 Hours, 3 Hourly
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	Available on web page http://aviation.weathersa.co.za.
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	Yes
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*2*	*4*	*5*	*6*	*7*
17	153°	1828 x 23	ASPH PCN 45	255848.54S 0280811.82E	5247FT	+1.40%
35	333°	1828 x 23	ASPH PCN 45	255938.36S 0280840.15E	5326FT	-1.40%

SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimensions (M)	Location (which runway end) and description of arresting system (if any);	OFZ	Remarks
8	9	10	11	12	13	14
0	0	1948 x 80	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
0	0	1948 x 80	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.13 DECLARED DISTANCES

RWY	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
17	1828	1828	1828	1776	NIL
35	1828	1828	1828	1776	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	APCH LGT Type and LEN INST	THR LGT Colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT, Spacing, colour INTST	RWY Edge LGT, LEN, Spacing, Colour, WBAR	RWY End LGT Colour WBAR	SWY LGT LEN (m) Colour	Remarks
1	2	3	4	5	6	7	8	9	10
17	NIL	DTHR: Green No WBAR	PAPI/ LEFT 3°	NIL INFO AVBL	NIL INFO AVBL	1828 M,100 M white, last 600 m yellow	Red No WBAR	NIL INFO AVBL	NIL
35	NIL	DTHR: Green No WBAR	PAPI/ LEFT 3°	NIL INFO AVBL	NIL INFO AVBL	NIL1828 M,100 M white, last 600 m yellow	Red No WBAR	NIL INFO AVBL	NIL
Remarks RWY, TWY and PAPI LGT remote switching -3 clicks over the microphone on frequency 122.8 MHz, will activate RWY, TWY and PAPI lights. The lights will remain on for 15 minutes intervals. Should the pilot click three times whilst the light are on, the system will automatically reset to 15 minutes on.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	15KT windsock INSTL at the end of RWY 35.
3	*TWY edge and centre line lighting*	Edge: NIL Centre line: See (5)
4	*Secondary power supply and switch-over time*	Standby Generator/15 SEC
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	- All helicopter traffic approaching for landing should conform to a circuit pattern slightly closer than the fixed wing circuit at 6000 FT ALT. - Direct approaching may only be executed with the knowledge of ATC. - Departing helicopter traffic should avoid taking off parallel to fixed wing aircraft departing on the runway. RWY 35 in use: (Helicopter Grass approach) Helicopters should avoid approaching parallel to fixed wing aircraft on final approach. From the left base position helicopters should turn at a 45° angle towards the RWY, approach over the grass, west of the RWY, cross the marked boundary fence on the grass area west of the main TWY, then air taxi to the designated helipads. RWY 17 in use: Helicopters should avoid approaching parallel to fixed wing aircraft on final approach. Helicopters should expect to approach west of the RWY on the TWY. Helicopters to EXER CTN on the TWY due to taxing ACFT. -Helicopters are prohibited from air taxing between hangers and building.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ The area bounded by lines drawn as follows: a) From a point 255445.27S 0280751.48E on the O R Tambo INTL CTR a straight line to a point 255519.25S 0280555.55E on the R55 road. b) Thence southwards along the R55 to a point 255621.94S 0280542.61E, c) Thence southwards along the R55 to a point 255749.05S 0280451.60E, d) Thence southwards along the R55 to a point 255811.47S 0280449.26E e) Thence southwards along the R55 to a point 255854.66S 0280434.74E f) Thence southwards along the R55 to a point 255916.45S 0280436.13E g) Thence southwards along the R55 to a point 260002.30S 0280432.39E h) Thence southwards along the R55 to a point 260139.02S 0280527.21E i) Thence southwards along the R55 to a point 260234.79S 0280526.93E on the R55/N1 Buccleuch Intersection, j) Thence eastwards along a straight line to a point at 260231.84S 0280851.14E on the O R Tambo INTL CTR, k) Thence northwards along the O R Tambo INTL CTR to a point 255902.00S 0280959.00E l) Thence north-east wards along the O R Tambo INTL CTR to the starting point at 255445.27S 0280751.48E
2	*Vertical limits*	7000 FT ALT/GND
3	*Airspace classification*	Class D
4	*ATS unit call sign* *Language(s)*	Grand Central Tower English
5	*Transition altitude*	8000 FT
6	*Remarks*	Except where otherwise authorised, no aircraft is to be operated in this airspace unless two-way radio communications is maintained with ATC. Warning: Sky lanterns released within the aerodrome vicinity

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
Tower/ATC	Grand Central Tower	122.8 MHz	MON-SUN 0400-1600, Public holidays as per NOTAM	NIL

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ARFF	Grand Central	130.35 MHz	NIL INFO AVBL	Ground frequency for parking on the apron

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. Airport regulations
-Engine running only to be conducted at the engine run-up area RWY 35. No vehicles allowed on any manoeuvring area without rotating Amber LGT or permission from APM. ATC view of the northern part of the TWY including the holding point 17 is obstructed. CCTV camera has been installed to assist in this area.
- All aircraft requiring parking must contact apron office on frequency 130.35 MHz for parking instructions.
- Pilots taxiing from the Apron onto the main TWY to EXER CTN before entering due to helicopters operating on the main TWY.
- Instructors are only allowed to exit ACFT for the purpose of student continuing with solo flying within the manoeuvring area. Students are to call for taxi instructions before re entering the manoeuvring area. All students pilots are to advise ATC on first contact that they are conducting solo student flight training.
-All ACFT must be securely chocked and tied down.
-All helicopters to land on designated helipads only with due regard to other tenants.No hover training on Helicopter grass approach.
-No Helicopter emergency landing training will be done on the TWY or RWY except in case of emergency
2. Parking for visiting aircraft
-Visiting aircraft must contact apron office on frequency 130.35 MHz for parking instructions. Aircraft wishing to park overnight or more should refer to airport management. ACFT should avoid landing on Netcare 911 helipad.
3. Taxiing- limitations.
-All aircraft to taxi at fast walking pace only, any aircraft not adhering to this rule will have a fine imposed.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

Circuit Procedures:
Circuit ALT
Helicopters: 6000 FT ALT
Single engines: 6300 FT ALT
Twin engines: 6800 FT ALT
Fixed wing circuit: RWY 35 - Left hand circuit
RWY 17- right hand circuit
1. Departing aircraft are to maintain RWY heading to 6000 FT ALT before turning.
2. Early turnouts may only be executed with the knowledge of ATC.
3. Departing fixed wing aircraft should maintain 6500 FT ALT until clear of the circuit.
4. Arriving ACFT are to adhere to ATC instructions. When RWY 17 is in use ACFT approaching from the north should expect to join overhead the field at 6800 FT ALT, to be positioned into the circuit.
5. RCF Procedure: Traffic should join 6800 FT ALT above the airfield, conform to the circuit pattern and land on the RWY in use, making blind broadcast on frequency 122.80 MHz and Squawk 7600.
6. After ATC hours joining procedure: As per AIP unmanned procedures.

AD 2.23 ADDITIONAL INFORMATION

ATC charges implemented, please check website for details.

AD 2.24 CHARTS RELATED TO AN AERODROME

AD Restricted Visibility Chart	-AD-01 -AD-02

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FAGG

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAGG - GEORGE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	340024.13S 0222227.41E
2	*Direction and distance from city*	6 KM
3	*Reference elevation/Reference temperature*	648FT 27° C
4	*Geoid undulation at aerodrome elevation position*	104.1 FT
5	*MAG VAR* *annual change*	28ºW (2025) 0°9' W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	PUB AD CHF: Airports Company South Africa SOC Ltd Physical address: Old Mosselbay road R102, George, Western Cape Postal address: P O Box 10 000 George 6530 TEL: +27 44 876 9310 email: Brenda.vorster@airports.co.za Airport Manager: Brenda Vorster TEL: +27 44 803 7703 CELL: +27 82 339 3071 ATC: +27 44 801 8809 FAX: +27 44 801 8810 e-mail: faggatc@atns.co.za MET: +27 44 876 9232 FAX: +27 44 876 9232 e-mail: fagg@weathersa.co.za Puma: TEL:+27 44 876 9214 FAX: +27 44 876 9935 E-mail: airbpgrj@africa.com AFT HR: +27 83 702 0169 In Emergencies only: +27 44 8730623, +27 83 702 0169 or +27 83 714 5469
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD: MON-SUN: 0430 -1900, AD Admin: MON-FRI: 0600-1400 Apron Office: See AD 2.6(4)
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL

4	*AIS briefing office*	Contact OR Tambo International AIM unit. TEL: +27 86 035 9669 or +27 11 928 6517
5	*ATS reporting office (ARO)*	+27 86 035 9669
6	*MET briefing office*	Printed aviation forecast is available. Observation in George TEL: +27 44 876 9232. Forecast Cape Town International TEL: +27 21 935 5777.
7	*ATS*	MON-THU: 0430-1700; FRI: 0430-1800 SAT: 0630-1300; SUN: 0630-1730.
8	*Fuelling*	Supplier: Puma Energy George Fuel Depot George Airport Contact Details: Claudia Rousseau +27 83 702 0169 Nazeem Rousseau +27 83 714 5469 Office : +27 44 8776 9214 Claudia.Rousseau@pumaenergy.com Services (UTC) Except as arranged for scheduled flights: HOD: MON-FRI: 0530-1700; SAT: 0530-1230; SUN: 0530-1600. AVGAS & JET A1 available. For payment information CTC: C Rousseu, TEL: +27 44 876 9214 AFT HR or +27 83 702 0169, FAX +27 44 876 9935 / +27 86 538 7060 Payment only by credit card or on account. No cash or cheques VHF 130.35 MHz. AVGAS refuelling only available on the main apron - Kerbside. Aircraft requiring Jet A1 must proceed to the main apron for refuelling. Scheduled aircraft will have priority for refuelling. General Aviation refuelling will be serviced by request, time depended on Refueller availability.
9	*Handling*	1. MENZIES AVIATION: MON-FRI: 0500-1615 SAT: 0630-1215 SUN: 0800-1615 TEL: +27 44 801 8412 After HR: +27 83 280 2586 Manager: Deon vanderrijst Email.: Vandeon.vanderrijst@menziesaviation.com 2. NASCOLOSSAL AVIAPARTNER MON-FRI: 0600–1400 OFFICE HR: +27 11 390 8500 / +27 11 383 9420 After HR: +27 71 673 3577 / +27 44 876 0387 Responsible Person :Sinoxolo Blayi Email: SBlayi@colossalaviapartner.co.za mmanqela@nascolossalaviation.co.za.

10	*Security*	a) Passenger Security: MON-THU: 0430-1700 FRI: 0430-1800 SAT: 0600-1300 SUN: 0600-1730 b) AD Perimeter Security: H24
11	*De-icing*	NIL
12	*Remarks*	Ad Hoc extensions to Airport and ATC (ATNS) Hours of Operation. (AIC 40.1.1). N/B After HR services rendered will be subject to payment of additional cost by the operator. The applicant must route his relevant request to the Airport Authority who must in consultation with the relevant ATNS ATSU CHF, approve or reject the request. Notification of the request must reach the Airport Authority at least 7 working days in advance of the intended effective date. Requests by operators involving in AD Hoc, additional or temporarily rescheduled flight (not a delayed flight) may follow the above procedure. The provision of an ATC and associated Airport services after the published hours of operation of the aforementioned services will be left to the discretion of the relevant service providers when the aircraft is delayed beyond the control of the pilot in command or operator. However this will not negate the pilot in command or operator from complying with any requirements as laid down in the CAA regulations.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Manual; MAX mass per item 2 000kg.
2	*Fuel and Oil types*	Fuel grades: AVGAS 100; JET A1 Oil grades: Not available. Oxygen and related servicing: Nil.
3	*Fuelling facilities and capacity*	Jet A1 is supplied by bowser only and AVGAS pumped at the fixed fuel pump station. Uptake of AVGAS at the fuel pump station is limited in the event of a Helicopter landing or departing the area. ATC will position waiting aircraft (fixed wing or rotor), requiring AVGAS fuel to the NW side of the apron until the AVGAS fuelling area has been cleared, then give awaiting aircraft clearance. JET A1 - 2 x 20 000 litres bowsers JET A1 - 4 x 82 000 litres tanks AVGAS 100 - 2 x 23 000 litres tanks
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	FTC - TEL: +2744-876 9055
6	*Repair facilities for visiting aircraft*	Acquila Air: TEL: +2744 876 9221 Office Hours or +2782 584 1478
7	*Remarks*	Handling Services available at AD. Apron Services: Refer AD 2.2(6) & AD2.3(9)

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation : Nil on AD. Hotels in town - 4 Main hotels Guest Houses in Town: Contact George Tourism Buro: +27 44 801 9295 (office hours)
2	*Restaurants*	Restaurant accommodation: Seating 120
3	*Transportation*	Taxis & Shuttle service Car Rental
4	*Medical facilities*	First aid on AD, TEL: +27 44 876 9310 Hospitals in town - 10KM. George Provincial Hospital, TEL:+2744 802 4528/9 George MediClinic, TEL: +27 44 803 2000
5	*Bank and Post Office*	ATM at AD - open during AD HOD. Nedbank, ABSA, Standard Bank and FNB. Cash express.
6	*Tourist office*	NIL on AD. In town TEL: +27 44 801 9295
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 7 during AD HOD, 8 Personnel per shift.
2	*Rescue equipment*	2 Fire vehicles with 1000L of foam compound each, 1000L of water and 500 KG dry chemical powder. Standard rescue and fire fighting equipment carried in accordance with ICAO requirements for CAT 7.
3	*Capability for removal of disabled aircraft*	Limited for light aircraft only- Acquila Air: TEL +27 44 876 9221 Office HR or +27 82 584 1478.
4	*Remarks*	For After HR OPS, see AD 2.3(12). MOU with Metro Emergency medical services, Municipal fire and National Sea Rescue Institute.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron designation, surface and strength*	Surface: Concrete Strength: PCR 410/R/B/W/U
2	*Taxiway designation, width, surface and strength*	TWY A, A1, A2, B, C Width: 23 M Surface: ASPH Strength: PCR 410/F/B/X/U TWY A3 Width: 23 M Surface: ASPH Strength: PCR 410/R/B/W/U
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	There are 6 marked parking bays. POB and destination must be passed to Alpha Oscar apron on FREQ 122.65 MHz prior to contacting TWR. - Taxiway 'A' from the intersection of taxiway 'B' to the holding point of runway 11, obscured from ATC view by fire station. -Helicopters requiring AVGAS are to land on TWY A then air taxi to refuelling area.

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.*	Allocation of parking bays: Pilot contacts the Radio Control Office, call sign "Alpha Oscar" on FREQ 122.65 MHz, while still on taxiway. Follows guide lines from TWY centre line into allocated parking bay. ID number painted on surface. Marshalling guidance at aircraft stands. Aircraft to contact ATC on FREQ 118.9 MHz for start and taxi clearance. Landing flights to provide ATC with ACFT REG and parking bay with readback of taxi instructions
2	*RWY and TWY markings and LGT*	RWY Markings: Designation, THR, TDZ, Aiming Point, Centre Line & Side Stripes TWY Markings: Centre line, holding positions at TWY/RWY intersections. RWY LGT: THR, RWY Edge, RWY End. RWY Centre Line. TWY LGT: TWY Edge. Stop bars. Lead on/Lead off lights. RWY 29 Displaced threshold
3	*Stop bar*	RWY 29, CAT II, Holding point RWY 11, CAT I Holding point
4	*Remark*	For aerodrome restricted visibility refer to chart AD- 02

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	TWR	340034S 0222258E	603.29 FT /165 FT	NGT markings	0.27 NM S of RWY 29
FAGG_FIRE SIMULATOR	Simulator	340016.5362S 0222152.6863E	196.489M AMSL	NIL INFO	Located near RWY11
FAGG_TRANS ANT1	Antenna	34 0018.4364S 0222329.3080E	203.128M AMSL	NIL INFO	Take-off Climb RWY11
FAGG_TRANS ANT2	Antenna	340016.5247S 0222328.9845E	202.588M AMSL	NIL INFO	Take-off Climb RWY11
FAGG_TRANS ANT1	Antenna	340018.4364S 0222329.3080E	203.128M AMSL	NIL INFO	Take off flight path area RWY11
FAGG_TRANS ANT2	Antenna	340016.5247S 0222328.9845E	202.588M AMSL	NIL INFO	Take off flight path area RWY11
FAGG_TRANS ANT3	Antenna	340020.4877S 0222135.1697E	196.169M AMSL	NIL INFO	Take off flight path area RWY29
FAGG_TRANS ANT1	Antenna	340018.4364S 0222329.3080E	203.128m AMSL	NIL INFO AVBL	Approach RWY29
FAGG_TRANS ANT2	Antenna	340016.5247S 0222328.9845E	202.588M AMSL	NIL INFO	Approach RWY29
FAGG_TRANS ANT4	Antenna	340021.9184S 0222139.1078E	197.245M AMSL	NIL INFO	Take off flight path area RWY29
Obstructions in approach and take-off areas. Other obstructions: See Approach and Landing Charts. Note: Mountain range to the North of airfield					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
FAGG_TRANS ANT2	Antenna	340016.5247S 0222328.9845E	202.588M AMSL	NIL INFO	Inner Approach RWY29
FAGG_WINDSO CK11	Windsock	340016.9703S 0222213.1704E	191.183M AMSL	NIL INFO AVBL	Strip RWY11/29
FAGG_TRANS ANT1	Antenna	340018.4364S 0222329.3080E	203.128M AMSL	NIL INFO	Inner Approach RWY29
GP11 DME	Glide Path DME	340024.82503S 0222210.87239E	207.98M AMSL	NIL INFO AVBL	Strip RWY11/29

GP29 DME	Glide Path DME	340015.00673S 0222304.44519E	213.399M AMSL	NIL INFO AVBL	Strip RWY11/29

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Cape Town
2	*Hours of service* *MET office responsible outside hours*	Observations: 0415-1815 (+27 44 876 9232) Forecasting: FACT: 0200-1830 (+27 21 935 5777) FAOR: 1830-0200 (+27 11 390 9329/30)
3	*Office responsible for TAF preparation and periods of validity*	Cape Town and Johannesburg FACT: 0600-0600, 1200-1200, 1800-1800 FAOR: 00-24 24HR, 6 hourly
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	In ICAO format available for all flight levels. English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	FAGG ATSU
10	*Additional information (limitation of service, e.t.c.)*	Other aviation related information available on web page http://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	088°T/112°M	2000 x 45	410/F/B/X/U/ ASPH	340021.30S 0222159.01E	622 FT	+0.4
29	268°T/292°M	2000 x 45	410/F/B/X/U/ ASPH	340018.83S 0222316.90E	648 FT	-0.4
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*

8	*9*	*10*	*11*	*12*	*13*	*14*
60 X 45	300 X 150	2120 X 300	240 x 150	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	380 X 150	2120 X 300	320 x 150	NIL INFO AVBL	NIL INFO AVBL	See below
Remarks: 1. RWY 11/29 inspection taking place MON-FRI: 0400-0430, SAT and SUN BTN 0600-0630. NIL TRG allowed. 2. Threshold RWY 29 is displaced by 120M.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	2000	2300	2060	2000	See remarks below.
29	2120	2500	2120	2000	
Remarks: RTZL 29 extends 300M past TDZ lines. Remaining distance from end of RTZL to end of RWY is 1100M.					

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INTST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	NIL	Green	PAPI 2 Bar approach slope 3º PAPI 3º	NIL	NIL	2000M 60M White	Red	NIL	See Below
29	PALS CAT II Barrette System	Green	PAPI 2 Bar approach slope 3º PAPI 3º	900 M	2000M Last 900M Red/ White and last 300m Red spacing 15M INTST High	2000M 60M White Last 600M Yellow INTST High	Red	NIL	See Below

Remarks:
1. RCL (RWY 29) TWY OBST.
Remote switching of RWY, TWY and APN Lights:
2. After hours remote switching: 5 clicks on microphone button within 5 seconds on Freq.118.9 MHz switches RWY, TWY and APN lights on for 15 minutes. If required the procedure may be repeated for a further 15 minutes period.
3. Note: The use of this facility is restricted to aircraft experiencing in-flight emergencies or medical emergency flights and should be used in conjunction with a Non-Procedural Approach. In all other cases, permission to use the facilities after HOD of the AD, must be obtained from the AD CHF. See AD 2.3(12).
4. THR RWY 29 is displaced by 120M.

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	Nil centre line lighting. TWY edge blue lights.
4	*Secondary power supply and switch-over time*	Switch over-time 1 SEC for: 1. Inner 300 M of the approach lighting system 2. Runway threshold 3. Runway end 4. Runway centre line 5. Runway touchdown zone 6. All stop bars Switch over-time 15 SEC for: 1. Other parts of the approach lighting system 2. Obstacle 3. Runway edge 4. Essential taxiway
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR a. From a point at 335530.10S 0220805.74E to a point 335638.69S 0221125.87E. b. Thence a straight line to a point at 335726.32S 0222230.74E. c. Thence a straight line to a point at 335614.31S 0223721.40E. d. Thence clockwise along the arc of a circle, radius 13NM, centered at 340026.66S 0222233.62E to a point at 341016.08S 0223250.43E. e.Thence a straight line to a point at 340946.30S 0221137.93E. f. Thence clockwise along the arc of a circle, radius 13NM, centered at 340026.66S 0222233.62E back to the starting point at 335530.10S 0220805.74E.
2	*Vertical limits*	GND / 4500FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	English
5	*Transition altitude*	8000FT
6	*Remarks*	Except where otherwise authorised, no aircraft is to be operated within this airspace unless two-way radio contact is maintained with air traffic control and aircraft is equipped with SSR mode C transponder.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	George Tower	118.90 MHz transmits and receives	MON-THU: 0430-1700, FRI: 0430-1800, SAT: 0630-1300 SUN: 0630-1730	NIL
APP	George Approach	128.20 MHz transmits and receives	Same as TWR	VHF relay station “Potjiesberg” 128.20 MHz
APRON	Alpha Oscar	122.65 MHz transmits and receives	MON-THU: 0430-1700 FRI: 0430-1800 SAT: 0700-1300 SUN: 0700-1730	Pilots to advise Alpha Oscar of DEST/POB prior to start up. Parking bay allocation REQ for AVGAS prior to landing.
ATIS	NIL INFO AVBL	126.225 MHz	Same as TWR	Also available with extended range from Blesberg forward relay station.
Note: Radar surveillance service provided.				

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
DVOR/DME	GRV	116.6 MHz (CH 113X)	H24	340026.46S 0222233.46E	659FT	Power output 50W
ILS LOC 29 CAT II	GGI	110.1 MHz	Same as TWR	340022.04776S 0222135.26075E	612FT	OM 4.8NM MM 1095M THR RWY29 Front course only
ILS GP 29 CAT II	NIL INFO AVBL	334.4 MHz	Same as TWR	340015.00673S 0222304.44519E	NIL INFO AVBL	Angle 3°. ALT of GP over OM is 2089M. HGT of ILS RDH 56FT.
ILS LOC 11 CAT I	GEI	109.5 MHz	Same as TWR	340018.45071S 0222329.06147E	634FT	OM 4.30NM 1276M THR RWY 11. Front course only
ILS GP 11 CAT I	NIL INFO AVBL	332.6 MHz	Same TWR	340024.82503S 0222210.87239E	NIL INFO AVBL	ANGLE 3°. ALT of GP over OM is 2040M RDH 53.4FT
UHF DME	GEI	109.5 MHz	Same as TWR	340024.82503S 0222210.87239E	668 FT	Co-located with GP 11
UHF DME	GGI	110.1 MHz	Same as TWR	340015.00673S 0222304.44519E	686 FT	Co-located with GP 29
Remarks: Radar vectored ILS APCH, due to approaching high ground. In the event of a RCF, complete the turn on the ILS and complete the ILS approach and land on the applicable RWY.						

AD 2.20 LOCAL AERODROME REGULATIONS

1. Taxiing to and from stands:
Arriving aircraft will be allocated a stand by the SMC. Pilots must follow marshall's instructions. Parking area for small aircraft: Western side of main apron.
2. Parking area for helicopters:
A marshal will guide helicopters on the stand.
3. Taxiing - limitations:
All Taxing is limited to RWY and TWY.
4.Removal of disabled aircraft from runways:
Director for Civil Aviation in terms of Regulations 12.04.5 of the Civil Aviation Regulations 2011, may authorise a person, subject to the conditions he deem fit, to direct any person to move a damaged or wrecked aircraft (from a runway) "or any part thereof or any cargo or thing carried therein" to any other place, for which expense the owner or the operator is liable.
5.Aircraft requiring AVGAS fuel may do once ATC has given them clearance to the fuelling station or be positioned by ATC to the NW side of the apron until such time as the AVGAS fuel station has been cleared and ATC confirmed re-positioning.
6.Turning around on runway:
Code C and above aircraft not permitted to turn on RWY 11/29. Turning only allowed at RWY11 THR turning pad. RWY turning permitted only in emergencies (e.g., TWY closure, aircraft failure).

AD 2.21 NOISE ABATEMENT PROCEDURES

As per Section ENR 1.5 No engine run-ups will be allowed on the Apron without permission from AD CHF, AIC 20.3 Reference.

AD 2.22 FLIGHT PROCEDURES

1) Circuit ALT: 1500FT for RWY 11 and RWY 29
2) Pilots to follow unmanned procedures outside ATC hours of service.

AD 2.23 ADDITIONAL INFORMATION

1) Hazard. Bird activities on AD. Pilots to exercise caution.
2) RWY 11/29 inspections MON–FRI 0400–0430, SAT–SUN 0600–0630. no circuit training or runway operations permitted during inspections.

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
Restricted visibility chart	-AD-02
Hot Spot	-AD-03
ILS Z RWY 11	-ILS-01
Data tabulation	-ILS-01A
ILS Z RWY 29	-ILS-02
Data tabulation	-ILS-02A
XALIN 1B RNAV (GNSS) RWY 11 STAR	-ARR-02
Data tabulation	-ARR-02A
AXEMU 1A RNAV (GNSS) RWY 11 STAR	-ARR-03
Data tabulation	-ARR-03A
GABGO 1A RNAV (GNSS) RWY 11 STAR	-ARR-04
Data tabulation	-ARR-04A
GABGO 1B RNAV (GNSS) RWY 11 STAR	-ARR-05
Data tabulation	-ARR-05A
VOR RWY 11	-VOR-01
VOR RWY 29	-VOR-02
Radar Minimum Altitude Chart	-RAD-01
RNAV (GNSS) RWY 11	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 29	-RNAV-02
Data tabulation	-RNAV-02A
AD OBST Type A-01	-Available on the SACAA website: www.caa.co.za
Precision APCH Terrain -01 (PATC-01 RWY 11)	-Available on the SACAA website: www.caa.co.za
Precision APCH Terrain -02 (PATC-02 RWY 29)	-Available on the SACAA website: www.caa.co.za

FAGM

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAGM - RAND/JOHANNESBURG

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	261431.12S 0280904.88E Mid-point of aerodrome
2	*Direction and distance from city*	1.5 NM SW of Germiston
3	*Reference elevation/Reference temperature*	5483FT
4	*Geoid undulation at aerodrome elevation position*	87.6 FT
5	*MAG VAR* *annual change*	19ºW (2018) 0°6' W
6	*AD operator, address, telephone, telefax,* email, AFS address and, if available, *website address.*	MD: Rand Airport TWR, PO Box 18013 Germiston, 1419 TEL: +27 11 827 8884/5/6 FAX: +27 11 824 4475 TWR: +27 11 827 4517 TWR FAX: +27 11 827 4239 TWR Standby: +27 72 690 1801 MET: +27 11 827 6730
7	*Types of traffic permitted (IFR / VFR)*	VFR/IFR
8	*Remarks*	All aircraft must settle landing and approach fees immediately after landing.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: 0600 - 1600
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	ATC HOD: MON-FRI: 0400-1700 SAT/SUN: 0500-1600 & Public Holidays BTN: 0500-1600 or as per NOTAM.
8	*Fuelling*	MON-SUN 0400-1600 TEL: +27 11 827 8120. VHF 130.50 MHz
9	*Handling*	NIL
10	*Security*	H24
11	*De-icing*	NIL
12	*Remarks*	NIL INFO AVBL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	AVGAS 100LL and JET A1. OIL: W100, W120.
3	*Fuelling facilities and capacity*	Jet A1 80 000L and Avgas 100LL 70 000. Pumps and bowsers.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	Various, contact Airport Management
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Dakota Lodge and Academy Bed and Breakfast
2	*Restaurants*	Restaurants available Harvard Cafe - TEL +27 11 827 4856
3	*Transportation*	NIL
4	*Medical facilities*	On site doctor Dr. Tenzer +27 83 679 0777
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT II during hours of operation. After hours call-out response within 10 minutes. Call-out Procedure: Capital Security Control Room, Frequency 118.7MHz.
2	*Rescue equipment*	Jaws of Life and Breathing apparatus. 1) Available extinguishing-Water for foam production: 5500L 2) Media + capability - Foam delivery: 8990L within 5 MIN. 3) Dry chemical powder - Available: 500 KG. Delivery: 240 KG per MIN 4) Self-expanding foam - Pre manufactured foam: 450L, Capability-Delivery: 4500L total @ 800 liters per minute.
3	*Capability for removal of disabled aircraft*	Available up to 5500lbs

4	*Remarks*	1) HOD: Monday to Sunday 0500-1700 including public holidays 2) Available fire personnel-5 per shift

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL INFO AVBL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	All properly identified and lit.
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	1) All fixed wing ACFT prohibited FM taxiing on tarred strip immediately W of Safomar and Hangers 6,7 and 8. ACFT to use TWY leading up to THR RWY 17 The ABV mentioned strip is intended for use as a helicopter apron. 2) Contact tower and park at own discretion . Pilots to settle fees with Landing Fee office. 3) For aerodrome restricted visibility refer to chart AD-02 4) All operators to contact ATC for taxiing and towing of aircraft. 5)Helicopters operating in front of hangar 6 and 7 to exercise caution of aircraft on TWY for RWY 17/35 6)Aircraft on taxiway in front of hangar 6, 7 and 8 must give way to helicopters operating on the helipad 7) All non-local aircraft inbound to contact Ground on frequency 123.65 MHz for landing fees.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5537/115 FT	NIL INFO AVBL	2 NM N
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5385/115 FT	NIL INFO AVBL	4,3 NM N
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5625/115 FT	NIL INFO AVBL	2,9 NM W
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5523/115 FT	NIL INFO AVBL	3,2 NM W
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5120/115FT	NIL INFO AVBL	4,6 NM SE
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5051/115FT	NIL INFO AVBL	4,8 NM S
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5179/180FT	NIL INFO AVBL	4,3 NM SW
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5566/115FT	NIL INFO AVBL	4,3 NM NNW
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5730/115FT	NIL INFO AVBL	3,5 NM NNW
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5130/115FT	NIL INFO AVBL	4,3 NM SSE
NIL INFO AVBL	Mast	261408,1S 0280818,7E	150FT	NIL INFO AVBL	NIL INFO AVBL
-Mast erected next to Gosforth Park Grand Stand. GND/50 FT -Fence erected with orange spheres on top every 30M. PSN 60M W of THR RWY 17 and 200M N of RWY 11. HGT: 3.9 FT.					

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	O R TAMBO INTL
2	*Hours of service* *MET office responsible outside hours*	No MET Station OR TAMBO INTL (+27 82 233 9600/8800)
3	*Office responsible for TAF preparation and periods of validity*	FAOR on special request 9 - 11 HR, 3 hourly
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	Available on web page http://aviation.weathersa.co.za
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL

10	*Additional information (limitation of service, e.t.c.)*	Hourly METAR prepared by ATS.Other aviation related information available on web page http://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWYNR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	089º T	1579 X 15	ASPH LCN 51	261433.55S 0280825.99E	5438FT	+0.71%
29	269º T	1579 X 15	ASPH LCN 51	261432.87S 0280922.86E	5475FT	-0.71%
17	157º T	1197 X 15	ASPH LCN 43	261412.66S 0280854.55E	5437FT	+0.71%
35	337º T	1197 X 15	ASPH LCN 43	261448.44S 0280911.51E	5465FT	-0.71%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
135	NIL	1834 x 80	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	1834 x 80	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
116	NIL	1612 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
179	NIL	1612 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
DTHR RWY 29: 135 X 15 M. DTHR RWY 17: 179 X 15 M. DTHR RWY 35: 116 X 15 M. Run-up bays for RWY 11/29 and RWY 35 open for use.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	1579	1579	1714	1714	NIL INFO AVBL
29	1714	1714	1714	1579	NIL INFO AVBL
17	1376	1376	1492	1313	NIL INFO AVBL
35	1313	1313	1492	1376	NIL INFO AVBL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INTST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	Nil	Green	PAPI 3º	Nil	Nil	1579M,60M, White	Red	Nil	Nil
29	Nil	Green	PAPI 3º	Nil	Nil	1579M,60M, White	Red	Nil	Nil
17	Nil	Green	PAPI 3,5º	Nil	Nil	1311M,60M, White	Red	Nil	Nil
35	Nil	Green	PAPI 3º	Nil	Nil	1311M,60M, White	Red	Nil	Nil

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Secondary power supply provided
5	*Remarks*	ABN installed. Alternating white and green flashing lights.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL

7	*Remarks*	NIL INFO AVBL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ Circle - radius 3 NM Centre - 261405S 0280720E
2	*Vertical limits*	6 500 FT ALT
3	*Airspace classification*	Class C Aerodrome separation only
4	*ATS unit call sign* *Language(s)*	English
5	*Transition altitude*	8000 FT
6	*Remarks*	Except where otherwise authorized, no aircraft is to be operated in this airspace unless two-way radio contact is maintained with air traffic control.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Rand Tower	118,7 MHz transmits and receives	MON-FRI: 0400 -1700; SAT-SUN: 0500 - 1600 as well as PUB HOL.	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	RAV	117,7 MHz transmits	H24	261443.39S 0280916.26E	5486FT	PWR output 100 W
DME	RAV	1148 MHz transmits and 1211 MHz receives	H24	261443.39S 0280916.26E	NIL INFO AVBL	Channel 124X co-axially co-located with VOR

AD 2.20 LOCAL AERODROME REGULATIONS

(1) ACFT must adhere to RWY and TWY and park in the parking area.
(2) Helicopter Training Squares:
- Adjacent to THR RWY 17 and RWY 29
- Landing area: 20m x 20 m GS
- Hours of operation: HJ
(3) Circuit procedures
RWY 11 & 17 - Right-hand circuit
RWY 29 & 35 - Left-hand circuit
Circuit ALT: 6300 FT ALT.
(4) Inbound traffic from the south to route via NDB RD frequency 307.5 kHz.
(5)VFR reporting points when routing INBD, OUBD or OPR in FAGM ATZ:
Verwoerdpark Dam 261536S 0280824E
Tollgate 261454S 0280930E
Old Plascon 261457S 0280820E
Marais Viljoen High School 261619S 0280622E
Reading Interchange 261550S 0280544E
Makro 261651S 0280747E
PPC 261325S 0280721E
Silver Ball 261524S 0280454E
Eastgate 261046S 0280702E

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

- In the event of a suspected Radio communication failure, all traffic intending to return to the ATZ from the Johannesburg SRA should squawk 7600, make the aircraft as visible as possible by switching on all available navigation and landing lights, make the appropriate blind broadcast on frequency 118.7 MHz, join overhead the AD at 6500 FT, conform to the circuit pattern, join on the downwind and land. Pilots to vacate the active RWY in use and contact the TWR telephonically once safe at the hangar.

- Helicopters must call downwind only when in the circuit. Wind check will be given by ATC.

AD 2.23 ADDITIONAL INFORMATION

-Bird ACT on all RWY.

AD 2.24 CHARTS RELATED TO THE AERODROME

AD Restricted Visibility Chart	-AD-01 -AD-02

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FAGR

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAGR - GRAAFF-REINET

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	321132.79S 0243225.12E
2	*Direction and distance from city*	3 NM N
3	*Reference elevation/ Reference temperature*	2606 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR annual change*	26° W (2020) 0°10'W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Dr. Beyers Naude Municipality P O Box 71, Graaff-Reinet, 6280 TEL: +27 49 807 5700 FAX: +27 49 892 4319 Airfield Manager CELL: +27 72 335 2231
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	CTC: O Fourie TEL: +27 82 578 3127
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	Apron parking; Tie downs, security lights and security guard

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Telephone numbers of hotels and guest houses available at airfield
2	*Restaurants*	Soft drinks available at airfield, restaurants in town
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL INFO AVBL
2	*Rescue equipment*	NIL INFO AVBL
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL

3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
04	015°	1500 x 23	PCN 15/F/B/X/T ASPH	321156.70S 0243223.14E	2581 FT	+0.005U
22	195°	1500 x 23	PCN 15/F/B/X/T ASPH	321109.86S 0243238.42E	2606 FT	-0.005D
15	127°	854 x 30	Grass	321123.48S 0243202.73E	2589 FT	N/A
33	307°	854 x 30	Grass	321140.27S 0243226.66E	2588 FT	N/A
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
(1) ACFT must adhere to RWYs and TWYs and park in parking area. (2) Pilots to exercise extreme caution after rain RWY slippery when wet.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
04	1500	1500	1500	1500	NIL
22	1500	1500	1500	1500	NIL
15	854	854	854	854	NIL
33	854	854	854	854	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
04	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NGT OPS Not Permitted due to NIL RWY LGT.
22	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
15	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
33	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL

2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

Caution: Ostrich feeding pens on approach to RWY 20, use right hand circuit. No flying below 500 ft over game park.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD Chart	-AD-01
RNAV (GNSS) RWY 04	-RNAV-01
Data tabulation	-RNAV-01A

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FAGY

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAGY - GREYTOWN

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	290717.47S 0303514.12E Mid-point of aerodrome
2	*Direction and distance from city*	9 KM North to Greytown
3	*Elevation/Reference temperature*	3531 FT
4	*Geoid undulation at AD ELEV PSN*	93.2 FT
5	*MAG VAR* *Annual change*	24ºW (2018) 0°9' W
6	*AD Operator, address, telephone, telefax, email, AFS Address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PRIVATE AD Plennegy (PTY) Ltd. P O Box 301 Greytown, 3250 Contact person: Geoffrey Richardson Tel: +2782 826 3919 (Office hours) Email: amo@plennegy.com
7	*Types of traffic permitted (IFR / VFR)*	VFR and IFR PPR.
8	*Remarks*	1) Prior permission required. Instrument rated pilots only for night OPS. 2) Landing fees applicable to all aircraft.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*NIL INFO AVBL	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	Restaurants	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

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*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL INFO AVBL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL INFO AVBL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*
1	*2*	*3*	*4*	*5*	*6*
06	041°T/060°M	1462 x 11	ASPH LCN 30	S290735.25 E0303456.20	3531 FT
24	221°T/240°M			S290659.69 E0303532.03	3472 FT
Designations RWY NR	*Slope of RWY-SWY*	*SWY dimensions (M)*	*CWY dimensions (M)*	*Strip dimensions (M)*	*OFZ*
1	*7*	*8*	*9*	*10*	*11*
06	-1.23%	0	30	NIL INFO AVBL	NIL INFO AVBL
24	+1.23%	0	0	NIL INFO AVBL	NIL INFO AVBL

Remarks 12
RWY 06 THR displaced by 162m
Longitudinal slope: Average 1.22%
Clearway: Threshold 24 - 30 meters / Threshold 06 - (Displaced 167 meters)
Runway makings: Threshold markings, Center line markings, Runway edge markings.

AD 2.13 DECLARED DISTANCES

1	2	3	4	5	6
RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
06	1462	1492	1462	1462	NIL
24	1462	1462	1462	1462	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
06	NIL	DTHR Green	NIL	NIL	NIL	1462M 70M White	RED	NIL	See below.
24	NIL	Green	NIL	NIL	NIL	1462M 70M White	RED	NIL	
Remarks: *RWY 06/24 LGT automated. 3 Clicks on 123.50 MHz turns LGT on for 30 MIN.*									

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Generator with immediate switch over.
5	*Remarks*	Illuminated windsock. Red obstruction lights on hangars

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO* *Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

1	*2*	*3*	*4*	*5*
Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
DVOR	GYV	113.5 MHz	H24	290728.99S 0303508.05E	3639 FT	Power output 50W
DME	NIL INFO AVBL	1169 MHz	NIL INFO AVBL	290728.99S 0303508.05E	3639 FT	Power output 1KW

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
VOR RWY 24	-VOR-01
RNAV (GNSS) RWY 24	-RNAV-01
Data tabulation	-RNAV-01A

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FAHG

FAHG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAHG - HEIDELBERG

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	263027.94S 282327.64E
2	*Direction and distance from city*	2.4 NM E of Heidelberg
3	*Reference elevation/Reference temperature*	5067.362FT/21.2°C
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	18ºW/2014
6	*AD operator, address, TEL, FAX, SITA, AFS*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Heidelberg Aviation Association. P. O BOX 208. Heidelberg 1438. Email: chairman@fahg.co.za TEL: 011 0835966
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Dedicated frequency 125.9 MHz. NIL night flying. For landing arrangements CTC Chairman 011 0835966.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ
2	*Customs and immigration*	Nil
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	*Fuelling*	CTC Details: 078 3181954 After Hours: 078 3181954 Operational Hours: MON·FRI 0600·1500, SAT 0600·1300, SUN & Public HOL 0600-1100. Payment options: Speed point or Cash.
9	*Handling*	Nil
10	*Security*	Nil
11	*De-icing*	Nil
12	*Remarks*	Nil

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	None
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	By prior arrangement
5	*Hangar space for visiting aircraft*	None
6	*Repair facilities for visiting aircraft*	Available
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Nil
2	*Restaurants*	Nil
3	*Transportation*	Nil
4	*Medical facilities*	Local Hospital - Heildelberg Clinic Casualty - TEL: 016 342 9246
5	*Bank and Post Office*	Nil
6	*Tourist office*	Nil
7	*Remarks*	Nil

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 2 CAT 3 by prior arrangement only.
2	*Rescue equipment*	DCP and first aid equipment permanently AVBL on site; supplemented by Local Authority Fire Department
3	*Capability for removal of disabled aircraft*	Available
4	*Remarks*	LTD AD based SER BTN 0600·1400 weekdays only excluding public holidays. Local Municipal SER AVBL all hours. A call out fee will be levied.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Grass LCN 12
2	*Designation, width, surface and strength of taxiways*	10.5 M, A TWY paved and all other TWY B, C and D grass
3	*ACL location and elevation*	Nil
4	*VOR checkpoints*	Nil
5	*INS checkpoints*	Nil
6	*Remarks*	Use of TWY restricted to aircraft with wingspan less than 24 M and main wheel span less than 6 M (Airport reference code 2B)

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.*	TWY designator signs for A, B, C & D TWY. Grass PRKG for GA ACFT- No markings Use of TWY restricted to ACFT with wingspan less than24M and main wheel span less than 6M (A PREF Code 2B) Paved TWY'A' and HLDG PSN marked with ABV GND signs and SFC painted markings. All grass taxiways 'B', 'C', 'D' & HLDG PSN marked with appropriate ABV GND signs, & concrete marker inlays -no lines. Use of visual docking/PRKG guidance system of ACFT stands- None.
2	*RWY and TWY markings and LGT*	Edgelines.THR stripes, displaced THR, centerline & RWY designation identifier. Taxi signs on all taxi routes A; B; C & D. Paved TWY- edge lines & centerline. Grass TWY - intersection edge markings only- no lines.
3	*Stop bar*	Nil
4	*Remark*	Reflective TWY signs on all TWY non illuminated. Grass TWY Intersection points & HLDG points are marked with white concrete markers,

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Observation tower	263025.8S 0282330.1E	15FT HGT	NIL	Red lights at night. 150M north of RWY 06/24 next to main windsock.

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
06	43.8ºT 61.8ºM	1194 x 18.578	ASPH LCN 15	263037.27S 0282322.80E	1544.53M	1%
24	223.8ºT 241.8ºM	1194 x 18.578	ASPH LCN 15	263009.29S 0282352.66E	1541.17M	1%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
0	143.69	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	See below
0	297.92	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL	See below
Remarks: Caution wind shear RWY 06						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
06	1194	1337.69	1194	1194	Displaced THR permanently closed.
24	1194	1491.92	1194	1194	

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
06	NIL	Green	NIL	NIL	NIL	White 60M	Red	NIL	Solar
24	NIL	Green	NIL	NIL	NIL	White 60M	Red	NIL	Solar

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	TWY A blue LGT only to HLDG point.
4	*Secondary power supply and switch-over time*	Solar LGT
5	*Remarks*	Main Wind Sock Lit up with red obstruction light.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	263022.24S 282316.97E
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	The helipad is restricted to medical evacuation and medical emergency SER (EMS) use only. Maximum rotor diameter 12.8M. Maximum helicopter weight limited to 3650 KG.

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.20 LOCAL AERODROME REGULATIONS

No Information available

AD 2.21 NOISE ABATEMENT PROCEDURES

-No circuit training on weekends and Public holidays.
-Avoid flights over the Heidelberg town as far as possible whilst taking into account safe operation of aircraft and except during landing and take-off.
-No night flight training after 21h00.
-No multi engine helicopter TRNG.

AD 2.22 FLIGHT PROCEDURES

Unmanned AD procedures· Overhead at 7100 FT to join LH circuit

AD 2.23 ADDITIONAL INFORMATION

Grass cutting and maintenance of runways MON 0800 - 1100

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FAHL

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAHL - HLUHLUWE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 280050.00S 0321630.00E
2	*Direction and distance from city*	1 NM E
3	*Reference elevation/Reference temperature*	Elev: 249 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	22.0°W / 2003
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PRIV AD CHF: The Big Five False Bay Municipality, P O Box 89, Hluhluwe, 3960. TEL: (035) 562 0040 FAX: (035) 562 0040 E-mail: big5@futurenet.co.za Contact person: MA Mngadi
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
03	NIL INFO AVBL	1208 X 30	GS LCN UNK	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
21	NIL INFO AVBL	1208 X 30	GS LCN UNK	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
Remarks 1) Pilots to exercise caution due RWY surface soft after rain.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
03	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
21	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
03	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
21	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL

5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	AD-01

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FAHS

FAHS AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAHS - AFB HOEDSPRUIT (MILITARY- UNLICENSED)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	242116.635S 0310301.44E
2	*Direction and distance from city*	7 NM East of Hoedspruit
3	*Reference elevation/Reference temperature*	1756 FT AMSL
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	17.4°W (2019)
6	*AD operator, address, TEL, FAX, SITA, AFS*	ATC EXEC AFB Hoedspruit P/Bag 504 Hoedspruit 1380 Base TEL: (015) 799 2911 FAX: (015) 799 2695 BCP/OPS TEL: (015) 799 2350 FAX: (015) 799 2682 APCH TEL: 015 799 2251 FAX: (015) 799 2426 TWR TEL: 015 799 2251 ADMIN TEL: (015) 799 2451 MET TEL: (015) 799 2451/015 799 2251 Other: Eastgate: (015) 793 3091 FAX: (015) 793 3682 Telegraphic Address: AFTN FAMRYVYX E-mail: hoedspruitatc@gmail.com
7	*Types of traffic permitted (IFR / VFR)*	VFR/IFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI 0500-1330
2	*Customs and immigration*	NIL
3	*Health and sanitation*	Medics: MON-FRI 0500-1330
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL
7	*ATS*	Approach: MON-FRI 0500-1330 Weekend and public holidays: 0845-1245 Lowveld: MON-FRI 0600-1300 Weekend and public holidays: 0700-1300
8	*Fuelling*	MON-FRI 0500-1330
9	*Handling*	NIL

10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL
12	*Remarks*	1) All civilian aircraft routing to FAHS for Eastgate are to contact Eastgate prior to departure obtaining necessary permits. Contact telephone (015) 793 3091. 2) Weekend and Public Holidays Ad Hoc as required by Eastgate and SAAF. After hours Prior Arrangement is required. STBY: 30 MIN 3) Rescue and Fire Fighting services avbl 24HRS

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift
2	*Fuel and Oil types*	For military use only: AVGAS 100/130, JET A1 / Oil: All Eastgate: Jet A1
3	*Fuelling facilities and capacity*	Fuel Bowsers, Hydrants and refuelling system
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	Prior Arrangement
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation available in Town
2	*Restaurants*	Restaurants in Town
3	*Transportation*	Rent a Car available on request.
4	*Medical facilities*	First Aid and Hospital in Town. Oxygen and related servicing.
5	*Bank and Post Office*	Nil banking facilities on aerodrome, only in nearby town.
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 5, CAT 7 available on 24 HR prior arrangement
2	*Rescue equipment*	Trained personnel available.
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	SAR - Under the coordinating direction of the South African Air Force

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Open all seasons

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete / Nil information
2	*Designation, width, surface and strength of taxiways*	TWY A: Width: 28M Surface: ASPH/Concrete LCN 50
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	1. Marking aids: All runways, threshold, Touchdown, RWY designator, RWY centerline & holding points 2. Arrestor Barriers: RWY 18. 3. GND movement CTL: FREQ 134.35 MHz available with prior arrangement. 4. Other remarks: Robots regulating vehicular traffic crossing TWY A, installed between RWY 09/27 & TWY H and TWY F & TWY E.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
- Radar mast (100' AGL) 170 M East of RWY 36. - LASS Radio mast West of RWY 36 (200FT AGL). - Powerlines to the East of the airfield.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	ENGLISH
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
09	078°T	2132 x 27	ASPH LCN 74	242258.07S 0310207.07E	1710FT	NIL INFO AVBL
27	258°T	2132 x 27	ASPH LCN 74	242242.48S 0310320.71E	1743FT	NIL INFO AVBL
18	164°T	3706 x 46.5	ASPH LCN 74	242028.51S 0310249.29E	1659FT	NIL INFO AVBL
36	344°T	3706 x 46.5	ASPH LCN 74	242223.97S 0310325.48E	1734FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks:
Additional information: No landing T available.
Additional Position Information INS Coordinates:
Movements N - 24 22 32.75S 031 02 28.84E
Movements Centre - 24 22 34.21S 031 02 28.52E
Movements S - 24 22 36.00S 031 02 29.85E
Eastgate Ramp - 24 23 01.75S 031 02 43.49E

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
18	3706	3706	3706	3706	NIL
36	3706	3706	3706	3706	NIL

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
09	2132	2132	2132	2132	NIL
27	2132	2132	2132	2132	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWYEnd LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
18	ALS	NIL INFO AVBL	RL PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
36	NIL INFO AVBL	NIL INFO AVBL	RL PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
09	NIL INFO AVBL	NIL INFO AVBL	RL PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
27	NIL INFO AVBL	NIL INFO AVBL	RL PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Emergency lighting & secondary supply available/ 15 SEC for switch over.
5	*Remarks*	NIL INFO AVBL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL

2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	TWY J: TWY I; Eastgate:

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR A circle radius 15 NM centered on 242049.93S 0310251.39E.
2	*Vertical limits*	GND / 6000 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	Hoedspruit APP English
5	*Transition altitude*	8 000 FT
6	*Remarks*	1. Class “G” airspace outside ATC HR of SER, pilots to BCST on FREQ 126.4 MHz. 2. Ground Control Frequency 134.35 MHz closed, all requests for start to contact Tower on frequency 119.6 MHz.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	Hoedspruit	114.0 MHz	MON-FRI 0530-1330	
Ops	Hoedspruit	133.45 MHz	MON-FRI 0500-1330	OPS Clerk on STBY after HOD
Tower	Hoedspruit	119.6 MHz	MON-FRI 0500-1330	Ad Hoc after hours.
Approach	Hoedspruit	126.4 MHz	MON-FRI 0500-1330	Ad Hoc after hours.
Ground	Hoedspruit	134.35 MHz	With Prior arrangement	
Information	Lowveld	119.0 MHz 129.4 MHz (Standby)	MON-FRI: 0600-1300 Weekend & Public Holidays: 0700-1300	
VDF available	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
GCA circuit	NIL	126.4 MHz	same as TWR	NIL
Final	NIL	123.3 MHz	same as TWR	NIL

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
Other	Eastgate OPS	131.65 MHz	MON-FRI 0500-1330	Ad Hoc after hours.

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 (CH)*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC	HSI	109.5 MHz	H24	242235.28S 0310329.02E	1726 FT	NIL
ILS GP	HSI	332.6 MHz	H24	242036.27S 0310256.52E	1660 FT	NIL
VOR DME	HSV	114.0 MHz (CH 87X)	H24	242049.93S 0310251.39E	1664 FT	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

Standard

AD 2.21 NOISE ABATEMENT PROCEDURES

1. Due to the sensitivity of the area surrounding AFB HSPT to noise pollution, it has become necessary to introduce the following Noise Abatement Procedures at AFB HSPT.
2. All ACFT operating inside the FAHS CTR are to adhere to the following limitations:
2.1 MNM HGT 500FT AGL.
2.2 MAX Speed 420 KTS.
3. Supersonic ACFT Departures & Operations
3.1 All supersonic ACFT departing low level to the SOUTH (RWY 18) are to cut afterburner no later than 350 KIAS and maintain "full dry" until cruise power can be set.
3.2 ACFT to operate above 1500' AGL within the FAHS CTR.
3.3 Supersonic flights in the FAHS CTR are to be limited to the HRS BTN 0800 to 1300 on normal working days only. If, due to operational RQMNTS, these limitations cannot be met, prior permission must be obtained from the AFB HSPT OPSCO and ATC and the BCP are to be informed.
3.4 Normal HGT restrictions as laid down in the Aviation Safety Manual are to be adhered to.

AD 2.22 FLIGHT PROCEDURES

Circuit Procedures
Circuit altitude:
Helicopters:2500 FT AGL
Piston engined aircraft - 2700 FT
Turbine& Jet engined aircraft - 3200 FT
RWY 18 in use - Left hand circuit
RWY 36 in use - Right hand circuit
RWY 09 in use - Right hand circuit
RWY 27 in use - Left hand circuit

AD 2.23 ADDITIONAL INFORMATION

1) All MIL aerodromes are unlicensed therefore this aerodrome may not be nominated as an alternate destination for civilian flights. Diversion and landing in EMERG only.
2) Prior permission required from C SANDF to utilize aerodrome facilities.
3) Airfield unmanned after hours of service. ATS on STBY (30MIN) will notify applicable ATSU's should the airfield and airspace be manned with operations outside NML HOD.
4) Utilization of the letdown procedures during MIL operations subject approval. MIL traffic takes precedence.
5) All civilian aircraft routing to FAHS for Eastgate are to contact Eastgate prior to departure obtaining necessary permits. Contact telephone + 27 15 793 3091.
6) No aircraft allowed to land without ATC on duty.
7) Civilian aircraft to strictly abide to slot times. Weekdays: 0500-1330 Weekends & Public Holidays: 0845-1245.
8) Survey flights, power line inspections, game capturing and crop spraying type operations in CTR and Hoedspruit Special Rules Area to be approved by FAHS ATC EXEC at +27 15 799 2451/2251.
9) Pilots to exercise caution due sporadic bird activity on and around vicinity of aerodrome.
10) Pilots to exercise caution due wildlife on the aerodrome.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FAKG

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAKG - KWANDWE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	330800S 0263453E
2	*Direction and distance from city*	19 KM north of Makhanda
3	*Reference elevation/* *Reference temperature*	990 FT 26°C
4	*Geoid undulation at aerodrome elevation position*	184FT
5	*MAG VAR* *annual change*	27°W
6	*AD operator, address, TEL, FAX, SITA, AFS*	C-SA Properties (Pty) Ltd P.O. Box 448 Grahamstown 6170 Tel: +27(0) 46 603 3400 E-mail: hendrik@kwandwe.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR (Prior permission required).
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0600-1500
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL

2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL
2	*Restaurants*	At nearest town (19 KM)
3	*Transportation*	Guests only
4	*Medical facilities*	At nearest town (19 KM)
5	*Bank and Post Office*	At nearest town (19 KM)
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 3 6 Rescue and Fire Fighting (RFFS) personnel, 3 personnel per shift. Active only at scheduled arrival or departure times.
2	*Rescue equipment*	NIL INFO AVBL
3	*Capability for removal of disabled aircraft*	Yes
4	*Remarks*	Contact operator for detailed ARFFS.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete PCN 34.75 /R/B/X/T (35 tons concrete, CBR=15%)

2	*Designation, width, surface and strength of taxiways*	Width 25M, concrete 34.75 /R/B/X/T (35 tons concrete, CBR=15%)
3	*ACL location and elevation*	THR RWY 11-1048 FT; THR RWY 29-932 FT (64 M from RWY centreline next to Apron. Height - 15 M)
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	Apron lighting: flood lights and apron edge reflectors.

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.*	Nosewheel coordinates for bay A1: 330758.44S 0263452.57E. Yellow centreline along TWY with black edgings to highlight.
2	*RWY and TWY markings and LGT*	White Centreline Markers White Touchdown Zone Markers White Runway Edge Lines
3	*Stop bar*	Stop lines 15M from RWY edge.
4	*Remark*	Centerline TWY guidance lines onto RWY centreline. TWY forms part of apron.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL

2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	083°T	2060 X 25	PCN 34.75 F/B/X/T (CBR=15%, 45.2 Metric tons)	330804.16S 0263416.85E	1048FT TDZ N/A	-1.8%
29	263°T	2060 X 25	PCN 34.75 F/B/X/T (CBR=15%, 45.2 Metric tons)	330756.18S 0263535.04E	932FT TDZ N/A	+1.8%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	25 metres clear area on both side of runway.
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	2060	2060	2060	2060	NIL
29	2060	2060	2060	2060	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	NIL	Green	NIL	NIL	White	White	Red	NIL	See below.
29	NIL	Green	NIL	NIL	White	White	Red	NIL	
Remarks: Runway lighting is installed for emergency night use only. It is however used for all day operations to enhance safer operations.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	Apron.
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	No secondary supply
5	*Remarks*	Apron flood lights for emergency use.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL

3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FAKM

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAKM - KIMBERLEY

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	284817.22S 0244550.52E
2	*Direction and distance from city*	3 NM South of Kimberley
3	*Reference elevation/Reference temperature*	3950 FT/28 degrees C
4	*Geoid undulation at aerodrome elevation position*	100.1 FT
5	*MAG VAR* *Annual change*	23° W (2025) 0.17' W
6	*AD operator, address, telephone, telefax,* email, AFS address and, if available, *website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Airports Company Ltd., Private Bag x 5052, Kimberley, 8300 Airport Manager: Jeanelle Roskrudge TEL: +27 53 830 7103 E-Mail: jeanelle.roskrudge@airports.co.za Manager Airfield Services: Reymondo Cannon TEL: +27 53 830 7107 E-Mail: Reymondo.cannon@airports.co.za Assistant Manager Fire and Rescue: Jerry Wiesnaar TEL: +2753 830 7124 E-Mail: jerry.wiesnaar@airports.co.za Assistant Manager Security: Eric Masoka TEL: +2753 830 7125 E-Mail: Eric.Masoka@airports.co.za Electrical: Tlotlego Matlhare TEL: +27 53 830 7134 E-Mail: Tlotlego.Matlhare@airports.co.za ATNS Co Ltd.: P. O. Box 110177, Hadison Park, Kimberley 8300 TEL: +27 53 851 1012 FAX: +27 53 851 1555 E-Mail:kmatc@atns.co.za TWR Cell: +27 66 512 2388 MET TEL: +27 53 851 1021 MET FAX: +27 53 851 1081 E-Mail:fakm@weathersa.co.za ACSA Website :https://www.airports.co.za
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	National airport status.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HOD Administration: MON-FRI: 0600-1430 Aerodrome HOD: MON - FRI: 0500 - 1630, SAT: 0530 - 1400, SUN: 0800 - 1630. Public holidays: Christmas day closed and all other holidays as per AD hours of service. AD available as unmanned outside AD HR of SER. Flights operating outside AD HR of SER to obtain permission from the Airport Manager prior to take-off.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	On call-out during AD Admin Hours.TEL: +27 53 830 0600 FAX: +27 53 832 7168
4	*AIS briefing office*	As ATS
5	*ATS reporting office (ARO)*	As ATS
6	*MET briefing office*	NIL INFO
7	*ATS*	MON-FRI: 0500 - 1630; SAT: 0530 - 1400; SUN: 0800 - 1630. and PUB HOL On request from Scheduled operators only.
8	*Fuelling*	HOD: MON-FRI: 0500-1630, SAT: 0530 - 1400, SUN: 0800 - 1630 and Public holidays 0800 - 1630. 24 HR PN for Public HOL and after HR SER to be arranged with Puma Energy. Tel: +27 77 602 2670 Kimberley Depot. After hours call out fee of R2500.00 shall apply. Response time of 45 Minutes. Operators on duty +27 67 592 6851, Supervisor on duty +27 77 602 2670, Manager on duty +27 77 602 2698.
9	*Handling*	NIL
10	*Security*	ACSA Security MON-SUN: 24HR TEL: +27 53 830 7141 / 7127 / 7128.
11	*De-icing*	NIL
12	*Remarks*	Apron Control 122.65 MHz Call sign: Kimberley Apron Request for services outside AD HOD to be addressed as FLW: Fire Services: AD RFFS supervisor (TEL: +27 53 830 7130) ATC Services: ATNS (TEL: +27 53 851 1012 / 1555).

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Airlink Cargo. HOD: MON - FRI: 0430 - 1600, Public Holldays: 0430 - 1600, SAT and SUN: Closed. TEL: +27 53 880 0148 / +27 53 851 1700. Email: Kimberley@airlinkcargo.co.za.
2	*Fuel and Oil types*	JET A1 and AVGAS 100LL.
3	*Fuelling facilities and capacity*	Hydrant refueling system not available. 2 x Jet A1 Bowser and 1 x AVGAS Bowser available.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	Limited, by prior arrangement only.
6	*Repair facilities for visiting aircraft*	Limited to light aircraft and helicopters. TEL: +27 82 714 3805. Email: aviaworx@gmail.com. MON-FRI: 0600 - 1500, SAT and SUN: closed.
7	*Remarks*	NIL handling services available for private operators/carriers.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	AVBL contact Exchange.
2	Restaurants	AVBL contact Exchange.
3	*Transportation*	No public transport AVBL. Taxis AVBL on REQ. TEL: +27 53 861 4105 Car Rental AVBL contact Exchange.
4	*Medical facilities*	First Aid only. Private Ambulance service on call TEL: +27 84 460 7009. Hospital in town.
5	*Bank and Post Office*	NIL Post Office. ABSA ATM AVBL.
6	*Tourist office*	TEL: +27 53 830 6779
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	AD licensed for CAT 6 operations.
2	*Rescue equipment*	1 x Supervisor and 6 x fire fighters per shift. Fire and Rescue vehicles: 2 x Aerodrome Rescue Fire Fighting Vehicle and 1 x Standby Aerodrome Rescue Fire Fighting Vehicle with rapid intervention 8000 litres of water, 1000 litres of foam concentrated and 500 KG Dry chemical powder per vehicle.Equipped with Hydraulic Rescue Tool, Breathing apparatus, generator, Floodlights, Power saw and Chain saw. 200% primary extinguishing media and 100% complimentary extinguishing media maintained in stock.
3	*Capability for removal of disabled aircraft*	Limited equipment for light aircraft only AVBL off the airport.
4	*Remarks*	RFFS HOD: MON -FRI 0500 - 1630, SAT 0530 - 1400, SUN 0800 - 1630. Public HOL: closed on Christmas Day, all other HOL as per AD HOD. 1) Scheduled and non scheduled ACFT operating outside hours of operations which are carrying passengers are not allowed to use AD without Rescue Fire Fighting Services and ATC coverage. Obtain prior permission from Manager Airfield Services: TEL +27 53 830 7107. 2) Fire and rescue available after HR of SER. Request to be submitted to Manager Airfield Services 7 days in advance. Callout charges will be applicable. 3) Airport has the capacity to upgrade to CAT 7 for ad-hoc flights. Applicant to submit request with seven days prior notice to the Manager Airfield Services. Costs of CAA application for ad-hoc category upgrade to be borne by applicant. 4) Memorandum of understanding has been concluded with Local Authorities. 5) Search and Rescue in South Africa, refer to GEN 3.6. 6) “ON THE BAY” Fire cover applicable to scheduled operators where Fueling with passengers on-board or during embarkation/disembarkation operations occur. Fire cover shall be provided at a cost to the aircraft operator/airline. 7) ACSA spokesperson in case of an emergency: Mr. Gopolang Peme, Senior Manager: Corporate Communications Cell: +2767 422 9988, Email: Gopolang.Peme@airports.co.za

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO
2	*Clearance priorities*	As required.
3	*Remarks*	Mostly clear weather all year.

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron designation, surface and strength*	APN A: Concrete / PCR 350/R/B/W/U APN B: Asphalt / PCR 350/F/B/X/U
2	*Taxiway designation, width, surface and strength*	TWY A 22.7M / ASPH / PCR 350/F/B/X/U TWY B 15M / ASPH / PCR 350/F/B/X/U TWY C 22.7M / ASPH / PCR 350/F/B/X/U
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands.*	Taxiing guidance signs at intersections with TWY and RWY and at all holding positions. Guide lines at apron ACFT park parallel to the Terminal building.Taxiway markings from runway to apron. No other markings on apron. Manual marshalling of aircraft done by ACSA marshals. For aerodrome restricted visibility refer to chart AD-02
2	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, centre line, edge runway end as appropriate, marked and lighted. TWY: Centre line, holding positions at all TWY/ RWY intersections, marked and lighted. RWY THR, edge LGTS, TWY edge LGTS. Painted centre lines. Aiming and distance markings painted.
3	*Stop bar*	A1 Holding Point (TWY-A) and C1 Holding Point (TWY-C).
4	*Remark*	Two turning circles AVBL on RWY 20 to accommodate 180 degrees turning on RWY. One turning circle AVBL on RWY 28 to accommodate 180 degrees turning on RWY. Pilot in command to follow directions of ATC for use of turning circles.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	Telephone line	NIL INFO	ELEV 3929 FT	NIL INFO	5 NM E THR RWY 28
NIL INFO	Fence	NIL INFO	HGT 8 FT	NIL INFO	Parallel to RWY 10/28, 75 M S of RWY centre line. Extending 223 M E to 407 M W of THR RWY 28.
Nil INFO	Telkom Microwave towers	NIL INFO	HGT 148 FT	NIL INFO	Nil INFO
Nil INFO	Transmitter/ Receiver mast	NIL INFO	HGT 66 FT	NIL INFO	300 metres N of RWY 28
Nil INFO	Vodacom Lattice Tower	NIL INFO	HGT 114.8 FT	NIL INFO	Radial 014 KYV 1.5 NM.
Nil INFO	Big Hole	NIL INFO	Nil INFO	NIL INFO	Radial 018 KYV 3.5 NM.
Nil INFO	Record Stone Crushers	NIL INFO	Nil INFO	NIL INFO	2 NM final approach RWY 10.
Nil INFO	SABC Tower Mast (Olifantskop)	NIL INFO	HGT 816.93 FT	NIL INFO	Radial 140 KYV 8.5 NM.
Nil INFO	Caltex Sign Board	NIL INFO	HGT 61 FT	NIL INFO	NW of RWY 20
Nil INFO	Cell C Tower	NIL INFO	HGT 119.7 FT	NIL INFO	NW of RWY 20
Nil INFO	Elizabeth Conradie Water Reservoir	NIL INFO	HGT 81.4 FT	NIL INFO	NW of RWY 20
Nil INFO	ACSA Fire Simulator	NIL INFO	HGT 18.7 FT	NIL INFO	In the airport, E of RWY 20
Nil INFO	Gariep Hospital Tower	NIL INFO	HGT 135.3 FT	NIL INFO	NW of RWY 20
Nil INFO	MTN Tower Diskobolos	NIL INFO	HGT 120.7 FT	NIL INFO	SW of RWY 02
Nil INFO	NUGEN Com Tower	NIL INFO	HGT 103.1 FT	NIL INFO	NW of RWY 20
Nil INFO	Retlameleng School Tower	NIL INFO	HGT 120 FT	NIL INFO	NE of RWY 20
Nil INFO	Transnet Tower	NIL INFO	HGT 146.9 FT	NIL INFO	NE of RWY 20
Nil INFO	Transmitter Tower-Airport	NIL INFO	HGT 71 FT	NIL INFO	In the airport, N of RWY 28
Nil INFO	Vodacom Mast- HTS	NIL INFO	HGT 139.1 FT	NIL INFO	NW of RWY 20

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
Nil INFO	Vodacom Tower – West End	NIL INFO	HGT 186.3 FT	NIL INFO	NW of RWY 20
NIL INFO	Stadium Light Mast 1	284504.11S 0244547.48E	HGT 37.30M AGL	NIL INFO	NIL INFO
NIL INFO	Stadium Light Mast	284504.07S 0244553.14	HGT 37.30M AGL	NIL INFO	NIL INFO
NIL INFO	IHS TWR KIM BOYS H	284455.28S 0244605.29E	HGT 36.80M AGL	NIL INFO	NIL INFO
WARNING: Game farm bordering AD. Small bucks are roaming AD at NGT, creating aviation hazard. All NGT OPS EXER CTN, especially outside HR of SER. Game will be chased during HR of SER					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Bloemfontein
2	*Hours of service* *MET Office outside hours*	Observations 0300-1800. Forecasting 0330-1830 +27 51 433 3281 FAOR +27 11 390 9329/9330
3	*Office responsible for TAF preparation and periods of validity*	Bloemfontein 9 - 11 HR
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provided*	NIL
6	*Flight documentation / Language(s) used*	Available on web page https://aviation.weathersa.co.za
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	TWR, APP, AREA
10	*Additional information (limitation of service, etc.)*	Other aviation related information available on web page https://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
02	360°	3002 x 45	ASPH PCR 350/F/B/X/U	284912.959S 0244554.634E	3899FT	+0,42%
20	180°	3002 x 45	ASPH PCR 350/F/B/X/U	284735.471S 0244554.374E	3940FT	-0,42%
10	080°	2437 x 45	ASPH PCR 350/F/B/X/U	284818.494S 0244503.039E	3950FT	-0,43%
28	260°	2437 x 45	ASPH PCR 350/F/B/X/U	284804.572S 0244631.537E	3915FT	+0,43%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
0	300 x 150	2577 x 280	300 x 90	NIL	NIL	See below.
0	300 x 150	2577 x 280	300 x 90	NIL	NIL	
0	300 x 150	2577 x 280	300 x 90	NIL	NIL	
0	300 x 150	2577 x 280	300 x 90	NIL	NIL	

Warning: Small arms firing range 0,25 NM E THR RWY 28 and 200 M N of the extended centre-line.
Note: ACFT must adhere to RWY centre line around apron to avoid adjacent non-load bearing areas.
Note: Medium to large ACFT are not allowed to make a 180 DEG turn on the runway.
OFZ data N/A. FAKM not equipped with Precision Approach RWY's.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
02	3002	3302	3002	3002	NIL
20	3002	3302	3002	3002	NIL
10	2437	2737	2437	2437	NIL
28	2437	2737	2437	2437	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
02	NIL	Green	PAPI LHS 3	NIL	NIL	60M White Last 600M amber	Red	NIL	NIL
20	NIL	Green	PAPI LHS 3	NIL	NIL	60M White Last 600M amber	Red	NIL	NIL
10	NIL	Green	PAPI LHS 3	NIL	NIL	60M White Last 600M amber	Red	NIL	NIL
28	NIL	Green	PAPI LHS 3	NIL	NIL	60M White Last 600M amber	Red	NIL	NIL

AD 2.15 OTHER LIGHTING SYSTEMS, 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 and centre line lighting*	Edge: Blue
4	*Secondary power supply and switch-over time*	300kVA Diesel powered generator/30 sec.
5	*Remarks*	Remote switching of runway 02/20 lights at 10% intensity and PAPI at 3% intensity taxiway lights at 100% leading to THR of 20. 3 clicks on 118.2 MHz on the microphone button at ONE SECOND INTERVALS. After 15 minutes lights automatically switch off. If required may be repeated for another 15 minutes.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL
2	*TLOF / 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*	No dedicated Heliport AVBL. Helicopters to be marshalled on main/ secondary aprons.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR Race-course pattern formed by arc of circles Radius 6 NM Centres: 284530S 0244600E and 285415S 0244200E And the outer common tangents to these circles.
2	*Vertical limits*	5 500 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call-sign* *Language*	Kimberley Tower English
5	*Transition altitude*	7000 FT
6	*Remarks*	1) Except where otherwise authorized, no aircraft is to be operated in this airspace unless two-way radio contact is maintained with ATC. All INBD ACFT, within 20 NM of FAKM, as well as all DEP ACFT are to call FAKM Apron on 122.65 MHz providing DEP point/DEST, PAX, REG of ACFT type. Call sign Kimberley Apron 2) See ENR 2.2 rules applicable for VFR flights operating within the FAKM TMA.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Kimberley Tower	118,2 MHz transmits and receives	MON-FRI: 0500 - 1630; SAT: 0530 - 1400; SUN: BTN 0800 - 1630 and PUB HOL: On request from Scheduled operators only.	NIL
VDF/TWR	Kimberley Tower	118,2 MHz transmits and receives	NIL INFO	(417M) THR RWY 02 Location MAG 200

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
APRON	Kimberley Apron	122,65 MHz transmits and receives	As per Fire Services HOD	Pilots to contact Apron Control with regard to parking.
APP	Kimberley Approach	119,4 MHz Transmits and receives	MON-FRI: 0500 - 1630; SAT: 0530 - 1400; SUN: 0800 - 1630 and PUB HOL: On request from Scheduled operators only.	During the FAKM TWR HOD FABL APP will be providing the APP SER to FAKM AP on FREQ. 119.4 MHz.

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR/DME	KYV	113.2 MHz CH: 79X	H24	284759.82S 0244537.32E	Nil INFO AVBL.	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. Airport Regulations.
2. Taxiing to and from stands.
3. Parking area for small aircraft (General aviation)
4. Parking area for helicopters.
5. Apron - taxiing during winter conditions.
6. Taxiing - limitations.
7. School and training flights - technical test flights - use of runways
8. Helicopter traffic - limitations.
9. Removal of disabled aircraft from runways.

AD 2.21 NOISE ABATEMENT PROCEDURES

1. Noise abatement procedures for jet aeroplanes irrespective of weight and for propeller and turboprop aeroplanes with MTOW of or above 11 000 kg.
2. Noise abatement procedures for propeller and turboprop aeroplanes with MTOW below 11 000 kg.
3. Noise abatement procedures for helicopters.
4. Refer ENR 1.5.

AD 2.22 FLIGHT PROCEDURES

Circuit ALT:
Turbine powered ACFT - 5 500 FT ALT;
Reciprocating engine powered ACFT - 5 000 FT ALT
- Recommended not overflying Kamfersdam below 1 500 FT
- Bird Sanctuary.
- Pilots wanting to operate at John Weston aerodrome must first contact Kimberley ATC on TEL: +27 53 851 1012 or FREQ 118.2 MHz during HR of OPR. Pilots are also reminded to remain clear of the Kimberley CTR due to different frequency usage. Joining clearance can be obtained from Kimberley Tower on FREQ 118.2 MHz before entering the CTR.

AD 2.23 ADDITIONAL INFORMATION

-DRG AP HRS of duty pilots must CTC APRON office on FREQ 122.65 MHz for PRKG and fuel RQMNTS.
-Hazard: Bird activity on airport.
Warning: Vulture activity reported in the vicinity of Radial 073 KYV 6 NM and surrounding areas. Pilots to EXER CTN.
Warning: Vulture activity in Olifantskop region APRX RAD 133 KYV 11 DME. Pilots to EXER CTN. Wild animals roaming the airfield. Pilots to EXER CTN.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Restricted Visibility Chart	-AD-02
Aircraft Parking/Docking Chart	-AD-03
VOR RWY 02	-VOR-01
VOR RWY 20	-VOR-02
EVESI 1A STAR 02	-ARR-01
Data tabulation	-ARR-01A
IBKEL 1A STAR 02	-ARR-02
Data tabulation	-ARR-02A
IBKEL 1B STAR 20	-ARR-03
Data tabulation	-ARR-03A
UNRAG 1A SID 02	-DEP-01
Data tabulation	-DEP-01A
OKPAG 1A SID 02	-DEP-02
Data tabulation	-DEP-02A
OKPAG 1B SID 20	-DEP-03
Data tabulation	-DEP-03A
RNAV (GNSS) RWY 02	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 20	-RNAV-02
Data tabulation	-RNAV-02A

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FAKN

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAKN - KRUGER MPUMALANGA INTERNATIONAL

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	252329.70S 0310557.40E Mid-point of aerodrome
2	*Direction and distance from city*	11 NM from Nelspruit
3	*Reference elevation/Reference temperature*	2829 FT / 28°C
4	*Geoid undulation at aerodrome elevation position*	52.0 FT
5	*MAG VAR* *annual change*	19°W (2020) 0°6' W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the aerodrome and remarks: PRIV AD CHF Primkop Airport Management (PTY) LTD P.O BOX 6425, Nelspruit, 1200 TEL: +27 13 753 7500 FAX: +27 13 753 7555 Email: ops@kmiairport.co.za www.kmiairport.co.za ATC TEL: +27 11 928 6480 ATC CELL: +27 82 569 9836 ATC FAX: +27 13 751 2910 MET: TEL: +27 82 233 8401/2 FAX: +27 13 751 3804
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0500 - 1700, SAT: 0500 - 1530 SUN: 0700 - 1700
2	*Customs and immigration*	MON-FRI: 0500 - 1700 (After HR call out) SAT: 0500 - 1530 (After HR call out) SUN: 0700 - 1700 (After HR call out)
3	*Health and sanitation*	MON-FRI: 0500 - 1700 (After HR call out) SAT: 0500 - 1530 (After HR call out) SUN: 0700 - 1700 (After HR call out)
4	*AIS briefing office*	MON-FRI: 0500 - 1700, SAT: 0500 - 1530 SUN: 0700 - 1700
5	*ATS reporting office (ARO)*	0200 - 1830
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON-FRI: 0500 - 1700, SAT: 0500 - 1530 SUN: 0700 - 1700

8	*Fuelling*	MON-FRI: 0500 - 1700 (After HR call out) SAT: 0500 - 1530 (After HR call out) SUN: 0700 - 1700 (After HR call out) Fuel Manager Ernest Barker: +27 82 898 2363.
9	*Handling*	MON-FRI: 0500 - 1700 (After HR call out) SAT: 0500 - 1530 (After HR call out) SUN: 0700 - 1700 (After HR call out) Airside Operations Manager Jason Torr: +27 71 879 2228.
10	*Security*	H24 Aviation Security Manager Lourens Prinsloo: +27 76 826 2156.
11	*De-icing*	NIL
12	*Remarks*	Customs and Immigration and Health and Sanitation are AVBL outside of operational hours on request. Requests for after hour service are to be submitted in writing at least 48hours in advance. Request can be emailed to ops@kmiairport.co.za.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	To be arranged with airport management
2	*Fuel and Oil types*	Jet A1, AVGAS, OIL: Straight mineral
3	*Fuelling facilities and capacity*	Jet A1, 240 000 litres, AVGAS - 30 000 litres
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	Aircraft Maintenance Organisation (AMO) limited to certain aircraft type. Contact airport for AMO facilities.
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Nelspruit and white river
2	*Restaurants*	Airport restaurant and coffee bar
3	*Transportation*	Car hire companies
4	*Medical facilities*	NIL on AP, only minor injuries
5	*Bank and Post Office*	Limited ATMs available, one Bureau de change kiosk available, Post Box available outside main entrance to terminal.
6	*Tourist office*	Mpumalanga Tourism and Parks Agency office available in the terminal: +27 13 065 0335.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT VII, HOD: MON-FRI: 0500 - 1700, SAT: 0500 - 1530, SUN: 0700 - 1700 Two shifts system: Shift A: 6 Personnel and Shift B: 6 Personnel.
2	*Rescue equipment*	2 x fire tenders - 16000L of water, 2000L of foam, 500 KG Dry Chemical Powder (including jaws of life and Self Contained Breathing Apparatus(es))
3	*Capability for removal of disabled aircraft*	MOU in place to remove disabled aircraft limited to 60 tons.
4	*Remarks*	MOU in places with local authorities including: Ambulance, Fire, Hospitals and Government forces to assist in an emergency.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete PCR 530/R/B/W/U
2	*Designation, width, surface and strength of taxiways*	23m, Asphalt, PCR 560/F/B/X/U
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	See AD CHART
6	*Remarks*	Pilots to use minimum thrust when exciting parking bays to reduce jet blast.

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.*	Taxiing guidance signs at all intersections with TWY and RWY and all holding positions.
2	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, edge runway end as appropriate, marked and lighted center line marker.
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	1) All aprons-parking bays numbered. 2) ATC not responsible for TWY A between Helipad and Main Apron. Crew and vehicles are crossing the TWY to gain access to the Helipad. 3) TWY G partially obscured from ATC TWR from 10M before holding point of RWY 05/23 till passing the security gates at hanger number 1.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
FAKN01	Cellmast	252344.21S 0310724.14E	3507/161 FT	Day and night markings	1.6 NM SE
FAKN02	Ranch cellphone mast	251951.82S 0310616.41E	3409/180 FT	Day and night markings	2.4 NM NNE
FAKN03	Spotlight	252225.96S 0310653.32E	2864.17 FT AMSL	Alternating red and white bands	NIL
FAKN04	Spotlight	252214.27S 0310644.95E	2868.86 FT AMSL	Alternating red and white bands	NIL
FAKN05	Spotlight	252325.26S 0310612.41E	2894.19 FT AMSL	Alternating red and white bands	NIL
FAKN06	Spotlight	252221.00S 0310655.81E	2844.06 FT AMSL	Alternating red and white bands	NIL
FAKN07	Spotlight	252228.51S 0310648.67E	2834.91 FT AMSL	Alternating red and white bands	NIL
FAKN08	Spotlight	252234.44S 0310643.23E	2834.15 FT AMSL	Alternating red and white bands	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	O R Tambo INTL
2	*Hours of service* *MET office responsible outside hours*	0200 - 1830 O R Tambo INTL TEL: +27 82 233 9600
3	*Office responsible for TAF preparation and periods of validity*	Kruger Mpumalanga INTL, 11HR
4	*Type of trend forecast and interval of issuance*	Trend Hourly
5	*Briefing / consultation provide*	Telephone, Personal
6	*Flight documentation / language(s) used*	Standard ICAO format
7	*Charts and other information available for briefing or consultation*	Standard MET charts
8	*Supplementary equipment available for providing information*	Satellite/LDN
9	*ATS units provided with information*	TWR/ Approach
10	*Additional information (limitation of service, e.t.c.)*	Other aviation related information available on web page http://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
05	034°	3260 x 45	PCR 560/F/B/X/U ASPH	252329.75S 0310557.36E 53 FT	2825 FT	0.0003U
23	214°	3260 x 45	PCR 560/F/B/X/U ASPH	252219.76S 0310649.68E 52 FT	2828 FT	0.0003D
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	220 x 150	3380 x 300	300 x 90	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	223 x 150	3380 x 300	300 x 90	NIL INFO AVBL	NIL INFO AVBL	See below
Remarks (1) Fire and Rescue will be conducting RWY Inspection between MON -FRI 0445-0500, SAT 0500 - 0515, SUN 0700 - 0715. Pilot to exercise caution. (2) Be aware of Ground Proximity warning System on short finals RWY 05/23						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	3100	3320	3100	2600	DTHR 500 M
23	3097	3320	3097	2937	DTHR 160 M

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
05	HIALS-1 CAT 1 Barette 900M 30M Spacing High Intensity	Green No WBAR	PAPI 3° (Left)	NIL	No RWY Centre	RWY Edge 3260 M 60 M space white	RWY End Red	No SWY	NIL
23	SALS 360M	Green No WBAR	PAPI 3° (Left)	NIL	No RWY Centre	RWY Edge 3260 M 60 M space white	RWY End Red	No SWY	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	No LDI Anemometer 252319.04S 0310601.26E
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	15 Sec
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	252301.811S 0310603.517E
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR a. From a point at 252553.95S 0305608.58E thence a straight line to a point at 251251.32S 0310554.14E b.Thence clockwise along the arc of a circle, radius 10 NM and centered at 252251.70S 0310640.05E to a point at 251923.36S 0311701.44E c.Thence a straight line to a point at 253253.33S 0310656.56E d.Thence clockwise along the arc of a circle, radius 10 NM, and centered at 252251.70S 0310640.05E back to the starting point at 252553.95S 0305608.58E
2	*Vertical limits*	GND/5500 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	Kruger Tower, English
5	*Transition altitude*	9000 FT ALT
6	*Hours of Applicability*	Same as Tower
7	*Remarks*	NIL.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR/APP	Kruger Tower	119.2 MHz	MON-FRI:0500 - 1700 SAT: 0500 - 1500 SUN: 0700 - 1700	TWR/APCH combined
Apron	Apron	122.65 MHz	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC (RWY05)	PKI	109.1 MHz	H24	252212.2S 0310655.3E	NIL INFO AVBL	ICAO CAT I ILS
GP (RWY05)		331.4 MHz	H24	252324.1S 0310606.8E	NIL INFO AVBL	ICAO CAT I

DME	PKI	109.1 MHz	H24	252324.1S 0310606.8E	NIL INFO AVBL	DME PKI Channel 28x co-located with ILS GP antenna
DVOR	PKV	VOR 112.5 MHz, DME (CH 72X)	H24	252251.69S 0310640.05E	2868 FT	80 NM Power output 50W

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

1) Procedures for IFR flights within FAKN TMA:
All circuit traffic at FAKN to be conducted to the east of the RWY 05/23 at 4000 FT ALT.
Remarks
These clearances shall only be valid during daylight and VMC operations.

2) Procedure within FAKN CTR:
All aircraft intending to depart from unmanned airfield or airstrip inside the CTR, are to establish 2 way communications with FAKN ATC on frequency 119.20 MHz before take-off, alternatively contact the ATC on TEL: +27 11 928 6480 before take-off. This will be required during hours of service.

AD 2.23 ADDITIONAL INFORMATION

Pilots to exercise caution due to high levels of bird activity and wild animals at the AD.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome chart	-AD-01
RAMP chart	-AD-02
ILS Z RWY 05	-ILS-01
ILS Y RWY 05	-ILS-02
VOR/DME RWY 05	-VOR-01
VOR/DME RWY 23	-VOR-02
RNAV (GNSS) RWY 05	-RNAV-01
Data tabulation	-RNAV-01A
TILIR 1A RWY 05	-ARR-01
Data tabulation	-ARR-01A

FAKR

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAKR - KRUGERSDORP

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	260449S 0274328E
2	*Direction and distance from city*	4.7 KM NW from the center of the Krugersdorp Town
3	*Elevation/Reference temperature*	5500FT AMSL
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	17°W (2003)
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Airport Authority: Jack Taylor Airfield Barta Street Delporton Krugersdorp Flying Club TEL: +27 11 660-7627 Nandi Foxcroft (Secretary) +2783 577 8894 www.FAKR.CO.ZA
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	0600 - 1500
2	*Customs and immigration*	NIL
3	*Health and sanitation*	As per COVID protocol
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL
7	*ATS*	NIL
8	*Fuelling*	MON-SAT: 0600-1445, SUN & Public HOL: 0600-1245
9	*Handling*	NIL
10	*Security*	Own security (outsourced)
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	AVGAS AVBL. Oil: Aeroshell W100 straight & W100 plus

3	*Fuelling facilities and capacity*	2200L
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	3X Aircraft Maintenance Organizations
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	AVBL in Krugersdorp
2	Restaurants	26 South clubhouse
3	*Transportation*	AVBL in Krugersdorp
4	*Medical facilities*	AVBL in Krugersdorp
5	*Bank and Post Office*	AVBL in Krugersdorp
6	*Tourist office*	AVBL in Krugersdorp
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT I
2	*Rescue equipment*	Serviced fire extinguishers.
3	*Capability for removal of disabled aircraft*	Contracted out.
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Taxiway and apron: Tar.
2	*Designation, width, surface and strength of taxiways*	9M for light aircraft.
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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*	Yellow line.
3	*Stop bar*	At threshold 08 and 26
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5671/115 FT	NIL INFO AVBL	2.8 NM E
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5389/115 FT	NIL INFO AVBL	3.0 NM E
NIL INFO AVBL	Radio mast	NIL INFO AVBL	5241/115 FT	NIL INFO AVBL	3.5 NM WNW

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provided*	NIL
6	*Flight documentation /* *Language(s) used*	NIL

7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, etc.)*	CAT 1 airfield as per part 139.

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
08	081	842 X 29	LCN 4	260457.44S 0274318.06E	5460FT	NIL INFO AVBL
26	261	842 X 29	LCN 4	260445.45S 0274345.33E	5499FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimension s (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
74	74	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
44	44	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

(1) Circuit height 800 FT
(2) Circuit Procedure:
RWY 26 right hand; RWY 08 left hand
(3) 9 m wide ASPH strip down middle of the RWY. VHF 122,0 MHz.
Warning:
NW BDRY FAP80 1 000 FT GND 9 NM SE of AD

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
08	886	960	960	842	NIL
26	916	960	960	842	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
08	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
26	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
RWY and TWY lighting available. Wind direction indicator available. RWY Edge LGT and threshold LGT.									

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	Generator 30 KV, Automatic.
5	*Remarks*	Day VFR only.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL
2	*TLOF / 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

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

1) Unless special prior arrangements have been made with the Operator, only aircraft equipped with serviceable RT (122.0 MHz) may operate within 5 NM of the airfield.
2) Unless specifically approved by the Operator, no microlight aircraft (i.e. <450 KG MAW) or gyrocopter may operate within 5 NM of the airfield.
3) All aircraft to approach from the Southern side of extended centre line RWY 08/26 and to join overhead at 6300' and proceed for LH or RH downwind RWY 08 or RWY 26 as appropriate.
4) Aircraft routing inbound from sectors North of extended centre line RWY 08/26 to route clear of the circuit via Talton Tank Farm (2604.56S 02738.87E) then via the grain silos at Battery Station (APPROX 2606.86S 02740.98E) and broadcast when overhead the silos on 122.0 MHz or alternatively to route West of Lanseria CTR/ ATZ and East of the Krugersdorp circuit roughly along the Magaliesberg/Sterkfontein R24 road until South of the airfield before joining overhead.
5) Unmanned airfield radio calls on 122.0 MHz within 5 NM.

AD 2.23 ADDITIONAL INFORMATION

Daily aircraft parking fees will be levied for overnight parking. Contact +27 82 374 5559 for more information.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FALA

FALA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FALA - LANSERIA INTERNATIONAL

FALA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	255622.89S 0275532.07E
2	*Direction and distance from city*	22 NM NW of O R Tambo INTL Airport
3	*Elevation/Reference temperature*	4521 FT/ 24°C
4	*Geoid undulation at AD ELEV PSN*	82.6 FT
5	*MAG VAR* *Annual change*	18 W (2018) 0°6' W
6	AD operator, address, telephone, telefax, email, AFS address and, if available, *website address*	PUB AD CHF: Lanseria (Pty) Ltd. Private Bag X1, Lanseria 1748 TEL: +27 11 367 0300 FAX: +27 11 7013261 ATSU: P. O. BOX 165, Lanseria 1748 TEL: ATC: +27 11 701 3262/701 3278 FAX ATC: +27 11 701 3505 AFS Address: FALAZTZX E-mail: info@lanseria.co.za
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	International Airport. Use of AD by microlight aircraft prohibited. 24 HR notice of International flights see AD 2.20 note 3. Terms and conditions for the use of the aerodrome is available from the Management Offices and or on the web www.lanseria.co.za

FALA AD 2.3 OPERATIONAL HOURS

1	*AD operator*	AD Operational hours: H24
2	*Customs and immigration*	H24, TEL: +27 11 367 0300
3	*Health and sanitation*	Available daily H24; TEL: +27 11 659 2750 (All Departments)
4	*AIS briefing office*	MON - SUN 0345 - 1800
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	H24
8	*Fuelling*	HOD: H24,Supplier: ENGEN/Lanseria Management Board. TEL: +27 11 367 0300. AFT HR +27 82 447 6026
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL

11	*De-icing*	NIL INFO AVBL
12	*Remarks*	SMC hours of service: MON-SUN: 0345-1700,

FALA AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift off loading, MAX pallet 10 tons, contact AD for INFO
2	*Fuel and Oil types*	AVGAS 100, JET A1. OIL: AVHYD E, JET OIL 11, EXXON 100, EXXON EE.
3	*Fuelling facilities and capacity*	2 bowser refuelling 800L/MIN, capacity 60 000L Hydrant refuelling on Apron B 1 000L/MIN Maximum fuel storage 700 000L (10 Days) JET A 1 and operating capacity 600 000L (8 days) JET A1.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	Various
6	*Repair facilities for visiting aircraft*	Various AMO's
7	*Remarks*	NIL

FALA AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In City. Contact AD Info
2	Restaurants	At AD. Contact AD Info for HR of service.
3	*Transportation*	Taxi's on request, car rentals at AD.
4	*Medical facilities*	First aid at AD Hospitals 15KM away Contact AD for INFO.
5	*Bank and Post Office*	At AD. Contact AD Info.
6	*Tourist office*	In City. Contact AD Info
7	*Remarks*	NIL

FALA AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	H24 CAT VII 4 shift system with 9 crew per shift. 12 hour shifts from 0500-1700 and 1700-0500. Crew strength maintained at MNM 8 at any given time.
2	*Rescue equipment*	2x Rosenbauer 6x6 crash tender, 12000L water, 720L foam, 500kg dry chemical powder each. 1x Rosenbauer 8x8 crash tender, 12000L water, 720L foam, 500kg dry chemical powder each.
3	*Capability for removal of disabled aircraft*	Lifting bags and hydraulic equipment AVBL for up to CAT B aircraft.
4	*Remarks*	1) Mutual Aid agreements with Local Authorities. 2) Rescue and Fire Fighting Upgradable to CAT VIII by prior arrangement. 12 HR PN

FALA AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	ASPH APN A PCR 570/F/C/X/T, APN B PCR 660/R/C/W/T, APN C PCR 720/R/C/W/T
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	Width: TWY A 15m with 2.5m shoulders, all others 15m no shoulders Surface: ASPH Strength: TWY A PCR 580/F/B/X/T, TWY A1 PCR 800/F/B/X/T, TWY A2 PCR 1660/F/C/X/T, TWY A3 PCR 1350/F/C/X/T, TWY A4 PCR 1820/F/B/X/T, TWY B PCR 1640/F/C/X/T, TWY B2 PCR 1750/F/C/X/T, TWY B3 PCR 2020/F/C/X/T, TWY C PCR 720/R/C/W/T, TWY R PCR 800/F/C/X/T, TWY S AND U PCR 1370/F/C/X/T, TWY P PCR 1180/F/C/X/T, TWY N PCR 1310/F/C/X/T.
3	*Altimeter checkpoint location and elevation*	RWY 07: 4521 FT, RWY 25: 4394 FT
4	*VOR checkpoints*	THR RWY 07 - 64°M/0.10 NM THR RWY 25 - 64°M/1.68 NM
5	*INS checkpoints*	See AD Chart
6	*Remarks*	The main apron has a slope factor that necessitates the following: 1) The use of extra power during taxing. All operators of multi-engine aircraft must taxi with a minimum of two (2) engines running. 2) All aircraft parked on the apron must be properly choked when left unattended.

FALA 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.*	1. Only class B and smaller aircraft will be accommodated on apron A. 2. Class C and larger aircraft will be accommodated on apron C (own power) or nose in on apron B. 3. Aircraft may not park on apron A, B and C for a period longer than four (4) hours without prior approval from Apron Office (freq 122.85 MHz or +27 11 659 2220) 4. Allocation of parking bays: * Pilots landing and using the main apron to contact FALA Apron control before entering the apron and provide the following information: Aircraft REG and Type, passengers on board, departure point and duration of apron occupation. * Pilots departing from the main apron must contact FALA Apron control prior to start and provide the following information: Aircraft REG, ETD, passengers on board and destination. 5. For aerodrome restricted visibility refer to chart AD - 03.

2	*RWY and TWY markings and LGT*	STD
3	*Stop bars*	NIL
4	*Remark*	NIL

FALA AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

Remarks:
1) During night operations and in conditions or poor visibility, pilots should exercise caution in maintaining terrain clearance towards the west of the airfield, due to high ground of 5338 FT (Swart koppies) at approximately 5.5NM.
2) Category C or greater aircraft exercise caution on taxiway A3 opposite apron C due to a steep embankment 16 M north of the edge of the taxiway.
3) Hot air balloon operations 25 NM radius Kloofzicht Lodge, Cradle of Humankind (2558S 02749E) excluding controlled airspace, DLY SR - SS, GND/7500 FT AMSL.
4) Hang/Paragliding activity GND/6400 FT AMSL Krugersdorp Ridge 260400S 274932E, 260332S 0274851E, 260459S 0274738E and 260528S 0274857E DLY SR - SS.

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FALA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	O R Tambo INTL
2	*Hours of service* *MET Office outside hours*	Observation: 0400 - 2000 Forecasting: H24 FAOR (+27 82 233 9600/8800)
3	*Office responsible for TAF preparation* *Periods of validity*	O R Tambo INTL 30 HR, 6 Hourly
4	*Trend forecast* *Interval of issuance*	Yes 0400 - 2000 Hourly
5	*Briefing / consultation provided*	NIL

6	*Flight documentation / Language(s) used*	Standard ICAO format English
7	*Charts and other information available for briefing or consultation*	Standard MET Charts
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	TWR/Approach
10	*Additional information (limitation of service, etc.)*	Observation by ATS outside MET Stations hour of service. Other aviation related information available on web page http://aviation.weathersa.co.za

FALA AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
07	047°T	2996 x 45	ASPH PCR 950/F/C/X/T	255653.84S 0275455.55E	4521 FT	-1,30%
25	227°T	2996 x 45	ASPH PCR 950/F/C/X/T	255549.55S 0275612.98E	4394 FT	+1,30%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
0	1500 x 150	3116 x 300	150 x 90	NIL	NIL	NIL
0	1500 x 150	3116 x 300	90 x 90	NIL	NIL	NIL

FALA AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
07	2996	4496	2996	2996	NIL
25	2996	4547	2996	2925	NIL

FALA AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, spacing, colour, INTST*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
07	PALS CAT1 300M High	Green NIL WBAR	PAPI 3°	NIL	NIL	2926M 60M White High	Red NIL WBAR	NIL	NIL
25	NIL	Green NIL WBAR	PAPI 3.5°	NIL	NIL	2926M 60M White High	Red NIL WBAR	NIL	NIL
Notes: 1) Airfield identification light on TWR roof.									

FALA AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	Location: Tower roof Colour: three white lights, 1 hour before sunset to 1 hour after sunrise and during IMC.
2	*LDI location and LGT Anemometer location and LGT*	LDI: NIL Anemometer: At AD reference point.
3	*TWY edge and centre line lighting*	Edge: All TWY edge lights blue. Only lead in lights provided, excluding TWY H
4	*Secondary power supply and switch-over time*	Diesel power standby generator supplying normal facilities and installations
5	*Remarks*	NIL

FALA 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*	1) Inbound non-wheeled helicopters will be directed by ATC onto Heliports on C apron. 2) No helicopter may land, taxi or take off between the hangars. 3) No dedicated helicopter landing area available. 4) All helicopters must approach and land on TWY/RWY only. 5) All helicopters must take-off from TWY/RWY only. 6) If heliport occupied, helicopters will be directed to land on TWY and make contact with apron to allocate alternative parking bay. Helicopter will then contact ATC to reposition to bay. 7) Helicopters may not hover/air taxi between hangers.

FALA AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR The area bounded by lines drawn as follows excluding FAP64 – Pelindaba: a) From a point at 255228.70S 0275159.44E along a straight line to a point at 254923.60S 0275542.43E. b) Thence a straight line along the eastern border of FAP64 to a point at 254754.23S 0275729.06E. c) Thence a straight line to a point at 254729.47S 0275758.82E. d) Thence a straight line to a point at 254837.17S 0275932.41E. e) Thence a straight line to a point at 255048.61S 0280126.98E. f) Thence a straight line to a point at 255810.04S 0280131.85E. g) Thence a straight line to a point at 255932.73S 0275951.61E. h) Thence a straight line to a point at 260426.99S 0275357.29E. i) Thence clockwise along the arc of a circle, radius 5NM, and centered at 260037.25S 0275022.33E to a point at 255705.60S 0274625.81E. j) Thence a straight line back to the starting point at 255228.70S 0275159.44E.
2	*Vertical limits*	6500FT ALT/GND
3	*Airspace classification*	C
4	*ATS unit call-sign Language*	English
5	*Transition altitude*	8000FT
6	*Remarks*	Except where otherwise authorized, no aircraft is to be operated within this airspace unless two-way radio contact is maintained with ATC. Warning: Sky Lanterns released within the aerodrome vicinity

FALA AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR/APP	Lanseria Tower	124.0 MHz transmits and receives	H24	NIL
ATIS	NIL INFO AVBL	127.65 MHz	H24	Dedicated ATIS
SMC	Lanseria Ground	121.65 MHz transmits and receives	MON -SUN: 0400-1700	NIL
Apron	Lanseria Apron	122.85 MHz	H24	Non ATC service, only parking allocation and hazard information.

FALA AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OPS (VOR/ ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME Transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
DVOR	LIV	117.4 MHz transmits	H24	255656.14S 0275448.86E	NIL INFO AVBL	NIL
UHF DME	LIV	1145 MHz transmits & 1208 MHz receives	H24	255656.14S 0275448.86E	1393M	Channel 121x Co-axially collocated with DVOR.
ILS LOC RWY 07	LAI	110.7 MHz	H24	255544.60S 0275618.80E	1337M	NIL
ILS GP RWY 07	-	330.2 MHz	H24	255649.80S 0275507.10E	1374M	Channel 44x Angle 3º
UHF DME	LAI	110.7 MHz	H24	255649.70S 0275507.10E	1379M	Co-located with ILS LOC

FALA AD 2.20 LOCAL AERODROME REGULATIONS

1) Apron procedure
* Landing aircraft intending using main apron, to contact Apron Control on VHF frequency122.85 MHz on top of descent to request parking bay and provide the following information.
- Aircraft registration, type, ETA, POB and departure point (local or international). This may be done prior landing in VHF range. The parking bay information, aircraft registration and POB to be transmitted to SMC on frequency 121.65 MHz on vacating the RWY for taxi instructions.
- IFR flights departures departing from the main apron to obtain start clearance first from SMC on VHF frequency 121.65 MHz, then request traffic and hazard information from Apron Control prior to taxi.
- VFR flights departing from the main Apron to request traffic and hazard information from Apron Control prior to taxi.
* Push back must be done along the centreline marking of the apron.
* Traffic positioning across active runways to do so under instructions from SMC who will liaise with Tower for authorisation.
2) Pilots on VFR departures from AD must ensure that they do not commence their turn outs over the apron and hangar areas.
3) Only Micro Lights on International flights will be granted landing rights at AD, pending a 24 HR notice of intentions to use AD. Landing rights will only be approved by the Airport Authority. No micro lights on domestic flights are allowed to land at AD.
4) Air-gates have been erected at all entrances to taxiway A and B, illuminated at night, to open call ground on 121.65 MHz

FALA AD 2.21 NOISE ABATEMENT PROCEDURES

1) No engine testing may be performed daily between 1700 and 0300 on the AD.
2) Engine tests may only be conducted in designates areas or as instructed by ATC. The designated areas are the runup bays of RWY 07 and 25 and the turning circle TWY C.
3) No jets may perform engine test in the turning circle of TWY C.
4) Refer ENR 1.5.

FALA AD 2.22 FLIGHT PROCEDURES

All International flight must park on the main apron (Apron A or B)
1. Procedure for the straight in VOR/DME APCH RWY 07 at FALA using LIV:
a) FAOR APP will inform ACFT that they are being vectored for the straight-in VOR/DME APCH for RWY 07.
b) FAOR APP will then vector ACFT to intercept RADIAL 245 LIV inbound by no later than 14DME LIV. The ACFT will then be handed over to FALA APP by no later than 12DME LIV.
c) Lanseria APP will clear the ACFT for the straight-in VOR/DME APCH.

2. Procedure for the straight in ILS APCH RWY 07 at FALA using LIV:
a) FAOR APP will inform ACFT that they are being vectored for the straight-in ILS APCH for RWY 07.
b) FAOR APP will then vector ACFT to intercept RADIAL 245 LIV inbound by no later than 14DME LIV. The ACFT will then be handed over to FALA APP by no later than 12DME LIV.
c) Lanseria APP will clear the ACFT for the straight-in ILS APCH.

FALA AD 2.23 ADDITIONAL INFORMATION

1) Bird activity in the vicinity of AD.
2) Hot air Balloon activity in the vicinity of the AD.
3) No international Transit facilities.
4) Parking charges will amount to three times normal parking for all aircraft parked on taxiways.

FALA AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Aircraft parking/docking chart	-AD-02
Restricted Visibility Chart	-AD-03
VOR Z RWY 07	-VOR-01
VOR Y RWY 07	-VOR-02
RNAV RWY 07	-RNAV-01
Data tabulation	-RNAV-01A
RNAV RWY 25	-RNAV-02
Data tabulation	-RNAV-02A
ILS Z RWY 07	-ILS-01
Data tabulation	-ILS-01A

FALE

FALE AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FALE - KING SHAKA INTERNATIONAL

FALE AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 293642.38S 0310709.53E
2	*Direction and distance from city*	16 NM NNE
3	*Elevation/Reference temperature*	307FT/29° C
4	*Geoid undulation at AD ELEV PSN*	92.2 FT
5	*MAG VAR* *Annual change*	25°W (2018) 0°9' W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Airports Company of S A Limited. Postal address: P.O. BOX 2620, Country Club 4301 Commercial: Aviation Telephone numbers: ACSA: +2732 436 6494 ATS: ATC TWR:+2732 436 5002 ATC Filter:+2732 436 5001 ATC Reception:+2732 436 5000 Manager ATS:+2732 436 5020, Manager ATS Secretary:+2732 436 5019, PM: +2732 436 5028, PATSA:+2732 436 5027 Flight planning Fax: +2732 436 3811 AFTN: FALEZTZX MET: Observer +2782 233 9500, Forecaster +2782 233 8700, Admin +2732 436 3817, Fax +2732 436 3815 Rescue and Fire fighting: +27 32 436 6767
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

FALE AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	H24
3	*Health and sanitation*	MON - SUN: 0500 - 2100. All international and cross border flight arrivals will be attended to accordingly. International arrivals outside these times will be dealt with on a call out basis. TEL: +2732 436 0200; FAX: +2732 436 2669 CELL: +2783 457 1148 / +2764 847 9655 Email: ksiaporthealthservices@health.gov.za
4	*AIS briefing office*	Nil service. For slot after hours, operators to contact O R Tambo International AIS Unit. Contact details: TEL No: +27860 359 669; +2711 928 6517/8 Fax No: +2711 928 6514

5	*ATS reporting office (ARO)*	H24
6	*MET briefing office*	H24
7	*ATS*	H24
8	*Fuelling*	Fuel Operator: Sky Tanking. Additional information available via ACSA help desk on TEL: +2732 436 6584
9	*Handling*	H24
10	*Security*	H24
11	*De-icing*	Not applicable
12	*Remarks*	ATNS CAMU provides coordination services for South Africa's coordinated airports: MON-FRI 0600-14h00 (excluding public holidays). Tel: + 2711 928 6433; Fax: + 2711 928 6420 E-mail: coord@atns.co.za After hours service is handled by the Capacity and Demand Management Office, which will only deal with short-term ad-hoc schedule changes and new requests that are sent before 1900. All other changes must be submitted to the coordinator during normal office hours. The contact numbers for after hours assistance for King Shaka International Airport are: Tel: +2710 207 2001; E-mail: slots@airports.co.za

FALE AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	ETV operated ULD storage with 200ULD storage locations, of which 50 are temperature controlled(0 to 10 Deg C), 6 build up and breakdown workstations, of which 2 are temperature controlled,20 truck docks, of which 2 are ULD hand overstations, Euro pallet storage for shipments, on site government agencies (including customs) and facilities for express cargo processing.
2	*Fuel and Oil types*	Fuel grades: JET A1. Oil grades: AO 100, D100, D120, ASO100, W100,W120, ASTO 750 Oxygen and related servicing: Limited quantities of oxygen for first aid and oxygen for high flying aircraft available for replenishment. Nitrogen available for tyre or Oleo inflation. Air start units, tow bars and ground powers units available O/R by prior arrangement. No PCA units available. See remarks below.
3	*Fuelling facilities and capacity*	Refuelling facilities and limitations: A, B, C and D aprons: Aprons equipped with JET A1 hydrant refuelling system. NIL AVGAS available.
4	*De-icing facilities*	N/A
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	No repair facilities available. Major emergency repairs and minor maintenance on apron by consent of the AD authority.

7	*Remarks*	Handling services and facilities are provided by different companies on the AD, and hence prior arrangements need to be made to ensure availability of requested technical services/ equipment.

FALE AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation: Hotels AVBL in adjacent areas and city.
2	Restaurants	AVBL during operational hours of AD
3	*Transportation*	Taxis and tour operators
4	*Medical facilities*	Emergency medical services are available H24 at the AD. Transfers to nearby hospitals are arranged by the contracted EMS services; Hospitals 10KM and 17KM away.
5	*Bank and Post Office*	NIL
6	*Tourist office*	INFO AVBL via ACSA help desk TEL: +27 32 436 6584.
7	*Remarks*	NIL

FALE AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 9 within AD HOD. 16 responding personnel per shift.
2	*Rescue equipment*	3 x major fire fighting vehicles Water: 24 300L Foam Discharge rate: 9 000 L/MIN Dry Chemical Powder 450KG at a discharge rate of 4.5 KG/SEC 200% extinguishing media stock maintained. 2 x Power saws 1 x hydraulic jaws of life
3	*Capability for removal of disabled aircraft*	Equipment for removal of aircraft will be sourced as per emergency plan. ACFT operator to remove disable aircraft from active RWY within a maximum of 2 hours.
4	*Remarks*	1) Memorandum of understanding with Ethekwini Municipality fire and emergency services. 2) ACSA spokesperson in case of an emergency: Ofentse Dijoe, Cell: +27 72 798 8486, TEL: +27 10 207 2601, Email: ofentse.dijoe@airports.co.za.

FALE AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	Seasonal availability: All seasons

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

1	*Apron designation, surface and strength*	Apron A and B, concrete, PCR 531/F/B/X/U Apron C and D, concrete, PCR 531/F/B/X/U Apron E (AMS), concrete, PCR 531/F/B/X/U
2	*Taxiway designation, width, surface and strength*	TWY A to C, TWY E to H, M and N Width: 25 M with 2M x 17.5 M sealed shoulders Surface: ASPH Strength: PCR 531/F/B/X/U TWY P Width:10.5 M with 2 M x 7.25 M sealed shoulders Surface: ASPH Strength: PCR 531/F/B/X/U
3	*Altimeter checkpoint location and elevation*	Pre-flight altimeter check points and ELEV: THR RWY 06 - 287.47 FT; THR RWY 24 - 300.83 FT
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	See AD Chart
6	*Remarks*	TWY P and E apron restricted to maximum size ICAO code B fixed wing aircraft (24M wingspan) and helicopters with a rotor diameter of 16M only. A and B apron and taxiing between these aprons are restricted to maximum ICAO code C aircraft (36M wingspan).

FALE 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.*	1) Aircraft stand ID signs provided on all stands 2) Taxing guidance signs and markings provided at all intersections and runway holding positions. 3) Allocation of parking bays: ACFT LDG are to contact the apron office, call-sign Apron Control on FREQ 122.65 MHz when within VHF range and prior to landing to obtain PRKG bay information. Parking bays to be confirmed upon landing. ACFT to give the following INFO, ACFT type, REG, ETA, POB and last AP of DEP This information must be transmitted to SMC on FREQ 121.65 MHz on first contact. Operators or companies may obtain this INFO direct from the apron office on TEL: 032 436 6514. 4) MAX sizes of ACFT at parking bays: A1-A16 and B1-B9: ICAO code C ACFT (MAX 36m wingspan) C2,C5: ICAO code F (MAX 80m wingspan) C1,C3, C4, C6: ICAO code C (MAX 36m wingspan) in MARS configuration D2,D5: ICAO code F (MAX 80m wingspan) D1,D3, D4, D6: ICAO code C (MAX 36m wingspan) in MARS configuration 5) All non-scheduled flights to contact Apron Control on FREQ 122.65 MHz on arrival and prior to departure, provide with the following INFO: Call sign/flight number, last point of departure, destination, number of people on board and parking bay. 6) A visual guidance docking system installed at PRKG A5-A16 and C2,C5. The system works as follows: i) The system will display the ACFT type which must be checked by the pilot for accuracy. ii) The pilot must follow the arrows displayed by the azimuth for this will guide the ACFT on the centerline of the PRKG. iii) The system will also display speed of ACFT. iv) If it is too fast it will display slow down. v) The system will also display distance from stopping position (closing rate) in meters and will count down in meters as it approaches the stopping position. vi) When the ACFT is in position it will display stop. vii) When docking system is complete the OK will be displayed. viii) Should the system be inoperative then the ACFT will be marshalled manually.

2	*RWY and TWY markings and LGT*	RWY: designation: THR, TDZ, center line, edge and runway end marked and lighted.TWY: centerline and holding positions at all TWY/RWY intersections marked and lighted; Edge markedand lighted; center line and TWY holdingpositions at other locations marked only.RET: RETILs and TWY center line lights providedon RET G and H. The intersection around TWY N, G and A is a designated Hotspot and as such extra vigilance is required by pilots. No aircraft may pass each other on the taxiways at this intersection.
3	*Stop bars*	Provided at TWY/RWY intersections at TWY C, G, H AND TWY M.
4	*Remark*	Indicators and ground signalling devices:3 WDI LGTD provided. Start and push back procedures 1) Push back, start and taxi clearances are to be requested on SMC FREQ 121.65 MHz. 2) ACFT are not to request pushback until the tug is connected and ready to push. 3) Before start is requested, ACFT must be ready for immediate push back. 4) ACFT to be pushed back onto center line under the authority of the pilot in command. 5) ACFT parked on C apron stands are required to push back and pull forward to designated point on apron for start up. 6) All entry, push back and exiting of parking bays must be done via feeder lines. 7) No ACFT is to pass another ACFT positioned on the center line. 8) All airline operators are responsible for ensuring procedures are adhered to. 9) RWY holding point markings and stop bars layout as per FAA Advisory Circular 150/5340-1J. (SACAA Exemption)

FALE AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
Nil INFO AVBL	Umdloti VODACOM	S293940.90 E0310616.38	473.155 FT	Nil INFO AVBL	Nil INFO AVBL
Nil INFO AVBL	MTN TWR	S293628.82 E0310828.63	634.585 FT	Nil INFO AVBL	Nil INFO AVBL
Nil INFO AVBL	CELL C TWR	S293634.01 E0310506.35	573.562 FT	Nil INFO AVBL	Nil INFO AVBL
Nil INFO AVBL	MICROWAVE TWR	S293333.89 E0310535.56	774.313 FT	Nil INFO AVBL	Nil INFO AVBL

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	MTN/CELLC MAST	293556.80S 0310938.04E	481.735 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	WTANK	293951.50S 0310412.75E	590.896 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	TLIGHT1	293519.63S 0310826.96E	363.900 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	TLIGHT2	293535.16S 0310823.50E	357.732 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	EPTL1	293811.08S 0310415.88E	448.539 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	VODACOM	294327.75S 0310416.27E	661.688 FT	NIL INFO AVBL	NIL
NIL INFO AVBL	TRENANCE TWR	293907.96S 0310049.55E	996.881 FT	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FALE AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FAOR
2	*Hours of service* *MET Office outside hours*	Observations H24 Forecaster 0200-1900 (+27 82 233 8700/8500) FAOR (+27 82 233 9600/8800)
3	*Office responsible for TAF preparation* *Periods of validity*	FALE, 30 hours issued every 6 hours, daily
4	*Trend forecast* *Interval of issuance*	Trend type (extension on Metar valid for 2 hours from time Metar/Speci is issued. Every half hour
5	*Briefing / consultation provided*	Personal and telephonically
6	*Flight documentation /* *Language(s) used*	In ICAO format available for all flight levels English

7	*Charts and other information available for briefing or consultation*	Standard MET charts
8	*Supplementary equipment available for providing information*	Radar/Satellite/LDN
9	*ATS units provided with information*	TWR and APP
10	*Additional information (limitation of service, etc.)*	Flight documentation and other Aviation related information available on website http:/aviation.weathersa.co.za

FALE AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
06	037ºT	3700 x 60	PCR 531/F/B/X/U ASPH	293730.19S 0310627.89E	THR: 287 FT	+0.11%
24	217ºT	3700 x 60	PCR 531/F/B/X/U ASPH	293554.56S 0310751.16E	THR: 301 FT	-0.11%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	300 x 150	3820 x 300	240 x 120	NIL INFO AVBL	15 KM	NIL
NIL	300 x 150	3820 x 300	240 x 120	NIL INFO AVBL	15 KM	NIL
Remarks 12 (1) Pilots to exercise caution when on final for RWY 24 at night, especially in IMC, Toll booth flood lights immediately to the left of CL about 1 NM from touchdown are being mistaken for RWY 24 APCH light (2) Forward scatter metres used to assess RVR Along RWY 06/24. Observations representative of TDZ, RWY mid-point and stop end of RWY 06/24. (3) RWY 06/24 RESA is 240M X 120M FM the end of the RWY (60M) strip.						

FALE AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
06	3700	4000	3700	3700	Intersection departure TORA 2100M
24	3700	4000	3700	3700	Intersection departure TORA 2100M

FALE AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, IN-TST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
06	PALS, CAT II, 900m LIH	Green, No WBAR	PAPI 3 DEG	White 30m apart	CAT II;LIH white to 900m from end; from 300m to 900 m from end alternative white and red; last 300m red. 15 m apart.	White until 600m from end, from 600m to end yellow. 60m apart.	Red, No WBAR	Nil INFO AVBL	Nil
24	PALS, CAT II, 900m LIH	Green, No WBAR	PAPI 3 DEG	White 30m apart	CAT II;LIH white to 900m from end; from 300m to 900 m from end alternative white and red; last 300m red. 15 m apart.	White until 600m from end, from 600m to end yellow. 60m apart.	Red, No WBAR	Nil INFO AVBL	Nil
Remarks Pilots to EXER CTN when on final for RWY 24 at NGT, especially in IMC. Toll booth flood LGT immediately to the left of CL about 1NM FM touchdown are being mistaken for RWY 24 APCH LGT.									

FALE AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	Nil INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	Nil INFO AVBL
3	*TWY edge and centre line lighting*	Edge all TWY and center line TWY G and H, rapid exit TWY off RWY only.
4	*Secondary power supply and switch-over time*	Uninterruptible Power Supply and Emergency Generator Power Supply: Available time for switchover – 1SEC for UPS & 15SEC for Generator Power Supply.
5	*Remarks*	Nil

FALE AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO
2	*TLOF and/or FATO elevation M/FT*	NIL INFO
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO
4	*True BRG of FATO*	NIL INFO
5	*Declared distance available*	NIL INFO
6	*APP and FATO lighting*	NIL INFO
7	*Remarks*	Nil specified ATC will provide taxi and parking instructions.

FALE AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR 1) From a point at 293747.94S 0305750.69E to a point at 292721.07S 0310656.95E 2) Thence clockwise around the arc of a circle, radius 6NM, centred at 293059.50S 0311225.31E to a point at 293437.71S 0311754.06E. 3) Thence a straight line to a point at 294505.32S 0310848.27E 4) Thence clockwise around the arc of a circle, radius 6NM, centred at 294126.74S 0310319.28E to the starting point at 293747.94S 0305750.69E
2	*Vertical limits*	GND/3000 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call-sign Language*	English
5	*Transition altitude*	5 500 FT
6	*Remarks*	Except where otherwise authorized, no aircraft is to be operated in this airspace unless two way radio contact is maintained with ATC, and a serviceable transponder is carried.

FALE AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel (s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
APP	Durban Approach	125.75 MHz transmits and receives	H24	Within 50 NM of TGV
DATIS	King Shaka	127.00 MHz	H24	INFO can be accessed by telephone

Service designation	*Call sign*	*Channel (s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	King Shaka INTL TWR	118.45 MHz transmits and receives	H24	NIL
SMC	King Shaka INTL Ground	121.65 MHz transmits and receives	H24	NIL

FALE AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
DVOR	TGV	115.6 MHz	H24	293640.20S 0310729.03E	108M	Power output 50W
UHF DME (TACAN)	NIL INFO	CH103x. 1190 MHz	H24	293640.20S 0310729.03E	108M	Coaxially colocated with VOR
ILS GP 24 CAT II	TGI	333.2 MHz	HS	293605.46S 0310747.28E	89.492M	NIL
ILS LOC 24 CAT II	NIL INFO	109.7 MHz	HS	293738.59S 0310620.57E	88.419M	NIL
DME 24	TGI	Channel 34X INT FREQ RX 1058 MHz, RE TX 995 MHz	HS	293605.46S 0310747.28E	89.492M	NIL
ILS GP 06 CAT II	TNI	332.3 MHz	HS	293724.46S 0310638.48E	88.419M	NIL
ILS LOC 06 CAT II	NIL INFO	111.3MHz	HS	293544.61S 0310759.82E	89.492M	NIL
DME 06	TNI	Channel 50x INT FREQ RX 1074 MHz, RE TX 1011 MHz	HS	293724.46S 0310638.48E	88.419M	NIL

FALE AD 2.20 LOCAL AERODROME REGULATIONS

1) Aerodrome regulations, INFO required by Airport manager, taxiing to and from stands, parking area for small ACFT (general aviation), taxing limitations and removal of disabled ACFT from runways to be notified.
2) Parking areas for helicopters to be advised by ATC.
3) School and training flights -Technical test flights -use of runways to be notified.
4) Helicopter traffic limitation nil.

FALE AD 2.21 NOISE ABATEMENT PROCEDURES

1) Aircraft noise and flight track adherence is monitored at AD.
2) Use Noise Abatement Departure Procedure 1, as per ENR 1.5.
3) No engine tests and run-ups between 2000 to 0400. Unforeseen engine test runs outside of these times only permitted by consent of the AD Authority.
4) No intersection take-offs between 2000 to 0400.
5) After landing minimize the use of reverse thrust, as far as possible, for braking purposes.
6) Pilots to be considerate towards inhabitants of areas adjacent to aerodrome by minimizing aircraft noise.

FALE AD 2.22 FLIGHT PROCEDURES

General
1) The pilot in command wishing to cross or join controlled or advisory airspace shall: call the responsible ATC unit on the designated frequency 10 minutes before joining such airspace and maintain two way radio communication on the appropriate radio frequency. When RWY 06 is in use ACFT will not be permitted to depart from TWY H, and may not enter TWY H from TWY A for any reason.When RWY 24 is in use ACFT will not be permitted to depart from TWY G, and may not enter TWY G from TWY A for any reason. Intersection takeoffs will not be permitted between 2000 and 0400. The intersection around TWY N, G and A is a designated Hotspot and as such extra vigilance is required by pilots. No ACFT may pass each other on the taxiways at this intersection.
2) All ARR ACFT to EXP CLR for ILS Y unless otherwise directed by ATC.

FALE AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

FALE AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Aircraft Parking/Docking Chart	-AD-02
ILS Z RWY 06	-ILS-01
ILS Y RWY 06	-ILS-02
Data tabulation	-ILS-02A
LS Z RWY 24	-ILS-03
ILS Y RWY 24	-ILS-04
VOR Z RWY 06	-VOR-01
VOR Z RWY 24	-VOR-02
Radar Minimum Altitude Chart	-RAD-01
RWY 06 APMAT 1A	-ARR-01
Data tabulation	-ARR-01A
RWY 06 DUNSA 1A	-ARR-02
Data tabulation	-ARR-02A
RWY 06 GETOK 1C	-ARR-03
Data tabulation	-ARR-03A
RWY 06 ITMIL 1A	-ARR-04
Data tabulation	-ARR-04A
RWY 24 APMAT 1B	-ARR-05
Data tabulation	-ARR-05A
RWY 24 DUNSA 1B	-ARR-06
Data tabulation	-ARR-06A
RWY GETOK 1D	-ARR-07
Data tabulation	-ARR-07A
RWY24 ITMIL 1B	-ARR-08
Data tabulation	-ARR-08A
RWY 06 ITMIL 1C	-DEP-01
Data tabulation	-DEP-01A
RWY 24 OKTAN 1A	-DEP-02
Data tabulation	-DEP-02A
RWY 06 TUBIN 1A	-DEP-03
Data tabulation	-DEP-03A
RWY 24 TUBIN 1B	-DEP-04
Data tabulation	-DEP-04A
Greytown 1A	-DEP-05
Data tabulation	-DEP-05A
Greytown 2B	-DEP-06
Data tabulation	-DEP-06A
RNAV RWY 06	-RNAV-01
Data tabulation	-RNAV-01A
RNAV RWY 24	-RNAV-02
Data tabulation	-RNAV-02A
The following charts are AVBL on CAA website: www.caa.co.za	The following charts are AVBL on CAA website: www.caa.co.za
Precision APCH Terrain Chart RWY 06	-PATC-01
Precision APCH Terrain Chart RWY 24	-PATC-02
AD OBST TYPE A	-OBST Type A-01

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FALM

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FALM - AFB MAKHADO MILITARY (MIL - UNLICENSED)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	230934.03S 0294205.41E
2	*Direction and distance from city*	15 NM SW of Makhado Town
3	*Elevation/Reference temperature*	3069 FT/
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	15.1°W 2016
6	*AD Administration, address, telephone, telefax, telex, AFS*	AFB Makhado P/Bag X2010 Makhado 0920 Base TEL: (015) 577 2911 BCP/OPS TEL: (015) 577 2212, FAX: (015) 577 2214 APCH TEL: (015) 577 2227 TWR TEL: (015) 577 2240 E-mail: falmtower@gmail.com ADMIN TEL: (015) 577 2237, FAX: (015) 577 2239 MET TEL: (015) 577 2237/2240 AFTN Address: FALMZTZX, FALMZQZX and FAMRYVYX
7	*Types of traffic permitted (IFR / VFR)*	VFR/IFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	MON-FRI: 0500-1330
2	*Customs and immigration*	NIL
3	*Health and sanitation*	MON-FRI: 0500-1330
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	MON-FRI: 0500-1330
7	*ATS*	MON-FRI: 0500-1330
8	*Fuelling*	MON-FRI: 0500-1330
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	-Weekends, Public holiday and after hours, Prior Arrangement is required. -STBY: 30 MIN -No aircraft allowed to land without ATC on duty.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift
2	*Fuel and Oil types*	Fuel: AVGAS 100/130, JET A1 (For military use only) Oil: All
3	*Fuelling facilities and capacity*	Fuel bowsers, Hydrants & refueling system
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation available in Louis Trichardt Town
2	*Restaurants*	SAAF Cafeteria
3	*Transportation*	Rent a car available in Louis Trichardt Town
4	*Medical facilities*	State hospital available in Louis Trichardt Town
5	*Bank and Post Office*	NIL banking facilities at the aerodrome
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 5
2	*Rescue equipment*	Trained personnel available 2 x Fire tenders 1 x Ambulance
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	SAR under the coordinating direction of the SAAF

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Open all seasons

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete
2	*Designation, width, surface and strength of taxiways*	TWY A: ASPH, PCN: 52/R/A/W/U TWY B: ASPH, PCN: 52/R/A/W/U TWY C: ASPH, PCN: 52/R/A/W/U TWY D: ASPH, PCN: 52/R/A/W/U TWY E: ASPH, PCN: 52/R/A/W/U
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	-Marking aids: All runways, threshold, Touchdown, RWY designator, RWY centerline & holding points. -Arrestor Barriers: RWY 10 & RWY 28 -GND movement CTL: FREQ 121.75 MHz closed, available with prior arrangement. -SFC Markings MOV 2 Apron non-STD. Pilots to EXER CTN.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
-Water TWR 1700m S RWY 10/28 (206'AGL) -3 Masts 300m N of aerodrome (100'AGL) -Hill 7.2NM W EXTD CL RWY 10 (184'AGL) -Hills 1NM S & 3NM E of EXTD CL RWY 28 -Powerlines S of aerodrome, direction SE then towards S. -High mountains 8NM N of AD.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	Hourly METAR given by TWR/ATIS
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
10	090°T 103°M	4000.69M x 45.75M	ASPH LCN 65	230936.15S 0294037.90E	3059 FT	NIL INFO AVBL
28	270°T 283°M	4000.69M x 45.75M	ASPH LCN 65	230935.53S 0294258.47E	3069 FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks:
Circuit Altitudes:
-Helicopters: 3800 FT AGL
-Piston: 4000 FT AGL
-Turbine and Jet: 4500 FT
-Initial: 5000 FT

Circuit Directions:
-RWY 10: Right Hand Circuit
-RWY 28: Left Hand Circuit

No landing T available

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
10	4000.69	4000.69	4000.69	4000.69	NIL INFO AVBL
28	4000.69	4000.69	4000.69	4000.69	NIL INFO AVBL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
10	NIL INFO AVBL	NIL INFO AVBL	PAPI 3°	NIL INFO AVBL	NIL INFO AVBL	RED	NIL INFO AVBL	NIL INFO AVBL	NIL
28	NIL INFO AVBL	NIL INFO AVBL	PAPI 3°	NIL INFO AVBL	NIL INFO AVBL	RED	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Emergency lighting & secondary supply available / 15 sec for switch over.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	RWY 10/28: 230833S 0294132E RWY 28: 230834S 0294152E

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR The area bounded by lines drawn as follows: a. From a point 233220.932S 0291215.615E, a straight line to a point 230000S 0292245E. b. Thence a straight line to a point at 230000S 0300017E. c. Thence clockwise along the arc of a circle radius of 20NM, centred on 230930.55S 0294111.18E to the point at 231500S 0300204E. d. Thence a straight line to the point at 232702.102S 0295730.715E. e. Thence a straight line to the point 232703.592S 0293523.009E. f. Thence a straight line to the point 234305S 0293000E. g. Thence a straight line to a point 233841.598S 0292352.817E. h. Thence a straight line to the starting point at 233220.932S 0291215.615E.
2	*Vertical limits*	8000FT ALT GND
3	*Airspace classification*	Class C. Class “G” airspace outside ATC HR of SER. Pilots to BCST on Freq 121.2MHz.
4	*ATS unit call sign* *Language(s)*	Makhado Tower English
5	*Transition altitude*	8000FT AMSL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	Makhado	115.0MHz	0430-1330	NIL
BCP/OPS	Makhado	133.45MHz	0500-1330	NIL
Ground	Makhado	121.75MHz	0430-1330	Available with prior arrangement
Tower	Makhado	119.8MHz	0430-1330	NIL
Approach	Makhado	121.2MHz	0430-1330	NIL
Information	Lowveld	119.0MHz/ 123.3MHz	MON-FRI: 0600-1300 Weekends and Public HOL: 0700-1300	NIL
VDF Available	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
GCA Circuit	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
Final	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
STBY	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
Other 2SQN OPS	2 SQN OPS	133.85MHz	0430-1330	NIL

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 (CH)*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC	LTI	111.1 MHz	H24	230935.48S 0294309.86E	3073 FT	NIL
ILS GP	LTI	331.7 MHz	H24	230941.96S 0294046.60E	3072 FT	NIL
VOR DME	LTV	115.0MHz (CH 97X)	H24	230930.71S 0294111.08E	3046 FT	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL

AD 2.21 NOISE ABATEMENT PROCEDURES

Standard

AD 2.22 FLIGHT PROCEDURES

NIL

AD 2.23 ADDITIONAL INFORMATION

-All MIL aerodromes are unlicensed therefore this aerodrome may not be nominated as an alternate destination for civilian flights. Diversion and landing in Emergency only. -Prior permission required from C SANDF to utilize aerodrome facilities. -Airfield unmanned after hours of service. ATS on STBY (30MIN) will notify applicable ATSU's should the airfield and airspace be manned with operations outside NML HOD. -CAUTION: High mountains 8NM N of AD -Radio control ACFT operating GND/2000FT AGL in vicinity of the following coordinates 231028.8S 0294247.8E. -Blasting around aerodrome, ATC will advise

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL	

FALW

FALW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FALW - LANGEBAANWEG (MIL - UNLICENSED)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	325807.72S 0180954.94E
2	*Direction and distance from city*	64 NM to the NNE of Cape Town
3	*Reference elevation/Reference temperature*	108 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	25°W (2019)
6	*AD operator, address, TEL, FAX, SITA, AFS*	CATCO AFB Langebaanweg Langebaanweg 7375 Base: (022) 706 2911 BCP/OPS: (022) 706 2211/2500 APCH: (022) 706 2137 TWR: (022) 706 2259 MET: (022) 706 2259/2137 BCP/OPS FAX: (022) 706 2391 ADMIN FAX: (022) 706 2375 Email: langebaanatc@telkomsa.net AFTN Address: FALWZTZX FALWZQZX, FAYLYVYX
7	*Types of traffic permitted (IFR / VFR)*	VFR/IFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON - FRI: 0545-1415
2	*Customs and immigration*	MON-FRI: 0230-1800, SAT and SUN: 0530-0600 and 1730-1800.
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	MON - FRI: 0530 - 1415, SAT, SUN, after hours and public holidays by prior arrangement. Standby 30 MIN.
7	*ATS*	MON - FRI: 0530 - 1415, SAT, SUN, after hours and public holidays by prior arrangement. Standby 30 MIN. TEL: (022) 7062259/2137 FAX: (022) 706 2375

8	*Fuelling*	JET A1 AVBL MON - FRI: 0545 - 1415, SAT, SUN, after hours and public holidays by prior arrangement. Standby 30 MIN.
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	1. No aircraft allowed to land without ATC on duty.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift
2	*Fuel and Oil types*	For military use only: JET A1 AVBL, NIL AVGAS AVBL, Oil: All
3	*Fuelling facilities and capacity*	Fuel Bowsers, Hydrants and refuelling system
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation available in Langebaan, Saldanha, Vredenburg.
2	*Restaurants*	SAAF Cafeteria
3	*Transportation*	AVIS Langebaan.
4	*Medical facilities*	First Aid and Hospital in town. Oxygen and related servicing.
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	ATM available at SAFI.

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 6.
2	*Rescue equipment*	Trained Personnel available.
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL

4	*Remarks*	SAR - Under the coordinating direction of the South African Air Force. HOD MON - FRI: 0530 - 1415, SAT, SUN, after hours and public holidays by prior arrangement. Standby 30 MIN.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Seasonal availability: All seasons

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete / N/A.
2	*Designation, width, surface and strength of taxiways*	All TWYs: SURFACE: ASPHALT, LCN 50 TWY A width: 20 M (length 3473 M) TWY C width: 18 M (length 123 M) TWY D width: 19 M (length 93 M) TWY E width: 17 M (length 281 M)
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL INFO AVBL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	1. Marking aids: All runways - threshold, Touchdown, RWY designator, RWY centerline and Holding points. 2. Arrestor Barriers: Nil. 3. GND movement CTL: FREQ 121.75MHz available. With prior arrangement. 4. Other remarks: Medium to heavy aircraft not allowed to cross the manoeuvring area between hangar 2 and hangar 5.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	0545-1415
3	*Office responsible for TAF preparation and periods of validity*	Hourly TAF given by TWR/ATIS.
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
02L	000.6° T	2341 x 46	ASPH LCN 60	325845.08S 0180943.16E	104FT	
20R	180.6°T	2341 x 46	ASPH LCN 60	325742.75S 0180944.66E	103FT	
02R	001.3°T	2344 x 46	ASPH LCN 60	325845.37S 0180957.76E	105FT	
20L	181.3°T	2344 x 46	ASPH LCN 60	325731.70S 0180959.60E	102FT	
16	136° T	1777 x 44	ASPH LCN 50	325801.66S 0180919.24E	102FT	
34	316° T	1777 x 44	ASPH LCN 50	325843.33S 0181006.55E	106FT	
07	046.7° T	1504 x 46	ASPH LCN 50	325804.99S 0180908.33E	102FT	
25	226.7° T	1504 x 46	ASPH LCN 50	325731.47S 0180949.81E	102FT	
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
02L	2341	2341	2341	2341	NIL
20R	2341	2341	2341	2341	NIL
02R/20L	2344	2344	2344	2344	NIL
16	1777	1777	1777	1777	NIL
34	1777	1777	1777	1777	NIL
07/25	1504	1504	1504	1504	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
02L	SSALS	NIL INFO AVBL	PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL
20R	SSALS	NIL INFO AVBL	PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL
02R	HIALS	NIL INFO AVBL	PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL
20L	SSALS	NIL INFO AVBL	PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	REDL	NIL INFO AVBL	NIL INFO AVBL	NIL
16	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
34	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
07	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	Taxi lighting
25	NIL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL INFO AVBL	Taxi lighting

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Emergency lighting & Secondary supply available / 15 sec for switch over.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ: Circle with a radius 5 NM centred on 325857S 0180951E. CTR: The area bounded by lines drawn as follows: (a) From a point at 324955S 0180445E, a straight line to a point at 324527S 0180204E. (b) Thence clockwise along the arc of a circle radius 15 NM, and centred at 325857S 0180951E, to a point at 330422S 0175310E. (c) Thence a straight line to 330236S 0175845E. (d) Thence clockwise along the arc of a circle radius 10 NM, and centered at 325857S 0180951E, to the starting point 324955S 0180445.E
2	*Vertical limits*	ATZ: GND/5000 FT ALT CTR: GND/FL195
3	*Airspace classification*	Class C. Class G airspace outside ATC HR of SER. Pilots to BCST on FREQ 122.5 MHz.

4	*ATS unit call sign* *Language(s)*	Langebaan Tower English
5	*Transition altitude*	Transition altitude: 5000 FT
6	*Remarks*	Irrespective of the weather conditions civil aircraft may not enter this CTR without permission from air traffic control at Langebaan FREQ 122.5 MHz.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	NIL INFO AVBL	117.0 MHz	0545-1415	NIL
Ops	Langebaan (Eagle)	133.45 MHz	0545-1415 MON–FRI Weekends and Public Holidays: With prior arrangement, 30 MIN standby only	Ops Clerk on STBY
Ground	Langebaan	121.75 MHz	0545-1415	NIL
Tower	Langebaan	128.80 and 120.80 MHz	0530-1415	NIL
Approach	Langebaan	122.50 MHz	0545-1415	NIL
Information	Langebaan	133.50 MHz	0530-14 15	NIL
VDF Available.	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
GCA Circuit	NIL INFO AVBL	127.50 MHz	0530-1415	NIL
Final	NIL INFO AVBL	123.90 MHz	0530-1415	NIL
STBY	NIL INFO AVBL	123.00 and 126.00 MHz	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC	LWI	108.9 MHz	H24	325854.46S 0180957.53E	105 FT	NIL
VOR DME	LWV	117.0 MHz CH 117X	H24	325858.28S 0180949.94E	106 FT	NIL

ILS GP	LWI	329.3 MHz	H24	325741.47S 0181005.13E	103 FT	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. No Medium or Heavy ACFT allowed BTN Hanger 2 and Hanger 5.

AD 2.21 NOISE ABATEMENT PROCEDURES

Standard

AD 2.22 FLIGHT PROCEDURES

1) Circuit Procedures
Circuit altitude: Piston engine aircraft - 1100 FT AMSL
Jet engine aircraft - 1600 FT AMSL
Turbine engine aircraft - 1600 FT AMSL
RWY 02L in use - Left hand circuit
RWY 20R in use - Right hand circuit
RWY 02R in use - Right hand circuit
RWY 20L in use - Left hand circuit
RWY 16 in use - Left hand circuit
RWY 34 in use - Right hand circuit
RWY 07 in use - Left hand circuit
RWY 25 in use - Right hand circuit
2) RWY07/25 - VFR OPS only.
3)No landing T available.

AD 2.23 ADDITIONAL INFORMATION

- Concrete RWY shoulders not to be used due to lack of reinforcement and possibility of sinkholes.
- Airfield unmanned after hours of service. ATS on STBY (30MIN) will notify applicable ATSUs should the airfield and airspace be manned with operations NML HOD.
- Diversion and landing in EMERG only.
- Prior authorisation from Chief of SANDF required to make use of the aerodrome facilities.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL	

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FALY

FALY AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FALY - LADYSMITH

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	283447.69S 0294509.86E
2	*Direction and distance from city*	2.5 NM SW
3	*Reference elevation/Reference temperature*	3548 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	22º W / 2009
6	*AD operator, address, TEL, FAX, SITA, AFS*	PUB AD CHF: MUNICIPALITY, P O Box 119, LADYSMITH, 3370 TEL: +27 36 637 6800/4 FAX: +27 36 637 3150 E-mail: ladysmun@intekom.co.za Web-site: www.ladysmith.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	087º	1200 X 15	ASPH LCN 11	283453.78S 0294439.73E	3486FT	NIL INFO AVBL
29	267º	1200 X 15	ASPH LCN 11	283451.95S 0294524.76E	3548FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
1) ACFT must adhere to TWYs and RWYs and park in the parking area. 2) Pilots to EXER CTN. Livestock and people wandering onto runways and taxiways due to frequent theft of AD fences.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
29	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	See below.
29	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
All AD LGT U/S. NIL NGT OPS permitted.									

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL

5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR/DME	LYV	116.5 MHz	H24	283616.21S 0294140.32E	3825	Power output 50 W.

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

Landing fees payable at Ladysmith Motel, situated adjacent to aerodrome. Landing fees, 50 percent of Gazetted rates, excluding local microlight aircraft which will pay an annual fee of R300.00.

AD 2.24 CHARTS RELATED TO AN AERODROME

AD chart	-AD-01

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FAMD

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAMD - MALAMALA

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	244903.30S 0313240.97E
2	*Direction and distance from city*	NIL INFO AVBL
3	*Reference elevation/Reference temperature*	ELEV: 1100 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	18° 17' W 0° 7' W
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	PRIV AD CHF: Malamala Game Reserve (PTY) Ltd PO Box 55514 Northlands 2116 TEL: +2731 735 9200 FAX: +2731 735 9300 Email: gm@malamala.co.za Website: www.malamala.com
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Private airfield, prior permission required and must be obtained 24 hours in advance

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HJ
2	*Customs and immigration*	NIL
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	*Fuelling*	NIL
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

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

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	MalaMala, Sable and Rattray's Camps
2	*Restaurants*	Each camp has its own dining room and dining area
3	*Transportation*	Collection and drop off at Airstrip
4	*Medical facilities*	NIL
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT II
2	*Rescue equipment*	Day shift only and minimum of 2 fire fighters. Fire Tender with 3600L of water, 3 x 50KG Dry Chemical Powder, 1 x 5KG CO_2, 2 breathing Apparatus Sets, 2 spare tanks. 2 x Tractors with watercarts 2200L each.
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	13mm stone chip, spray Asphalt and slurry seal Strength 6/F/B/W/T
2	*Designation, width, surface and strength of taxiways*	10M, 6/F/B/W/T
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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.*	Park on the southern end of parking bay if a private charter, or, on the northern end of the parking bay if operating a Federal Airlines aircraft.
2	*RWY and TWY markings and LGT*	Follow taxi lines
3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
16	NIL INFO AVBL	1303 X 23	ASPH 6/F/B/W/T	244844.49S 0313224.169E	1124 FT	NIL INFO AVBL
34	NIL INFO AVBL	1303 X 23	ASPH 6/F/B/W/T	244917.042S 0313253.517E	1098 FT	NIL INFO AVBL

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
56	120	1423 X 60	NIL	NIL	NIL INFO AVBL	See below
56	120	1423 X 60	NIL	NIL	NIL INFO AVBL	See below
Remarks: ACFT must adhere to RWYs and TWYs and park in the parking area. AD not fenced. Pilots to verify on FREQ 122.250 MHz immediately prior to landing that RWY has been cleared of animals.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
16	1303	1423	1359	1303	NIL
34	1303	1423	1359	1303	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
16	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
34	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	LDI: 244855S 0313238E, Dayglow Orange
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL

5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL
2	*TLOF / 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

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. This is a private aerodrome, and landing arrangements must be confirmed with MalaMala Game Reserve in advance.
2. The aerodrome is available for all aircraft bringing passengers to and/or collecting any guests from any/all of MalaMala's three camps (MalaMala, Sable and Rattray's).
3. No landing fees apply to MalaMala guests who use the MalaMala Game Reserve aerodrome.
4. MalaMala Game Reserve will fax/email a flight confirmation request of all flights at least two days in advance The aircraft operator is to return these details to MalaMala Game Reserve at least 24 hours in advance by fax/ email and should include the following:
a) Estimated arrival and/or departure time
b) Aircraft type
c) Aircraft registration
d) Number of guests and names
5. The Pilot(s) of the aircraft are to contact MalaMala Game Reserve (MalaMala Ground) on aviation radio frequency 122.25 MHz when they are 10 minutes from arrival to the aerodrome.
6. MalaMala Game Reserve will dispatch the necessary Fire Fighting personnel to both ensure the aerodrome is clear of any wildlife and to afford the necessary Aerodrome Rescue and Fire Fighting service.
7. MalaMala Game Reserve will contact the pilot(s) after the aerodrome has been cleared of any wildlife and advise the pilot(s) they can continue land at their own discretion.
8. After landing, pilot(s) are to turn on the turning circle only, follow the taxi lines and park on the southern end of parking bay if a private charter, or, on the northern end of the parking bay if operating a Federal Airlines aircraft.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

AD 2.22 FLIGHT PROCEDURES

1. On arrival, please over-fly the airfield at 3 000FT AMSL and join the circuit downwind, east of the runway (which is overhead MalaMala property).
2. On departure, please head east (overhead MalaMala property), circle and then over-fly the windsock in a westerly direction.
3. Pilots may land on runway 16 or 34 at their discretion.

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL	

FAMG

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAMG - MARGATE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	305126.52S 0302034.90E Mid-point of aerodrome
2	*Direction and distance from city*	0,5 NM SW MARGATE
3	*Reference elevation/Reference temperature*	498 FT / 15° C
4	*Geoid undulation at aerodrome elevation position*	96.3 FT
	MAG VAR *annual change*	27°W (2018) 0°10' W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Ray Nkonyeni Municipality, P O Box 1336, Margate, 4275 TEL: +27 39 312 0560 FAMG Information TEL: +27 39 312 0067 FAX: +27 86 457 1838 E-mail: Margateairport@rnm.gov.za VHF: 122,7MHz Fire: +27 83 666 3531 SAP: +27 39 312 2524 AMO Midcoast Air (039) 317 4705
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: BTN 0730-1600 SAT: 0800-1400 SUN: 1000-1600 After hours call-out on request: +27 82 569 2359
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL

12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	CTC +27 39 312 0560
6	*Repair facilities for visiting aircraft*	AMO Midcoast Air, TEL: +27 39 317 4705
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL
2	*Restaurants*	NIL
3	*Transportation*	NIL
4	*Medical facilities*	NIL
5	*Bank and Post Office*	NIL
6	*Tourist office*	TEL: +27 39 682 7944, Email: info@tourismsouth-coast.co.za
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT IV, 4 personnel per shift.
2	*Rescue equipment*	8000L Water, 1000L Tridol ‘S’ 3% Foam and 200KG DCP.
3	*Capability for removal of disabled aircraft*	Limited - Midcoast Air TEL: +27 39 317 4705
4	*Remarks*	HOD: MON-FRI 0530-1430, SAT 0600-1200 and SUN 0800-1400. After hour service available on request. Water rescue: NSRI, TEL: +27 82 990 5950.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL

3	*Remarks*	NIL

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Parking bay A, B, C; ASPH PCN 18/F/C/X/U
2	*Designation, width, surface and strength of taxiways*	RWY 05 TWY; 8M; ASPH; PCN 5/F/C/Y/U
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Security fence parallel to taxiway within 8M of centre line. NIL TWY for RWY 23, ACFT to backtrack on RWY 23.

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.*	Parking bay A and B reserved for schedule flight operations.
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Microwave tower	8NM NNW	ELEV 4008 FT	NIL INFO AVBL	NIL
Warning: Security fence erected alongside TWY close to parking area.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY	*TRUE& MAG BRG*	*Dimensions of RWY(M)*	*Strength (PCN) and surface of RWY and SW*	*THR coordinates RWY end coordinates THR geoid undulation*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
05	023°T	1344 x 30	42/F/B/X/U ASPH	305146.61S 0302025.07E	488 FT	-0.30%
23	203°T	1344 x 30	42/F/B/X/U ASPH	305106.44S 0302044.74E	476 FT	+0.30%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	1454 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	1454 x 60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks12
- Circuit Procedures:
1. All circuits to be carried out at 1000 FT GND and must be flown towards the coast.
2. ACFT approaching must join the traffic pattern at 1500 FT GND.
3. Overflying ACFT not to cross aerodrome area below 2500 FT GND.
4. ACFT must adhere to RWY's and TWY's and park in the parking area.
5. Occasional microlight flying around aerodrome.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	1344	1344	1344	1344	NIL
23	1344	1344	1344	1344	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
05	NIL	Green	PAPI 3º	NIL INFO AVBL	NIL INFO AVBL	60M White	Red	NIL INFO AVBL	NIL
23	NIL	Green	PAPI 3º	NIL INFO AVBL	NIL INFO AVBL	60M White	Red	NIL INFO AVBL	NIL
Flashing strobes available during operational hours. Remote switching - 7 clicks on microphone button on 122,7 MHz switches lights ON. lights switches OFF automatically after 20 MIN.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Automatic - 20 Seconds.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
RNAV (GNSS) RWY 05	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 23	-RNAV-02
Data tabulation	-RNAV-02A

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FAMM

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAMM - GEORGE DICK MONTSHIOA

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	254826.81S 0253240.09E Mid-point of aerodrome
2	*Direction and distance from city*	9 km NW of Mmabatho
3	*Elevation/Reference temperature*	4181 FT 24º C
4	*Geoid undulation at aerodrome elevation position*	85.3 FT
5	*MAG VAR / Annual change*	17ºW (2018) 0º5' W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Department of Community Safety & Transport Management (NWP) Private Bag X 2119 Mmabatho 2735 AP TEL: +2718 385 1130/1120/1121/1006/1059/1052/1065/1027/1029/1132/1036 FAX: +2718 385 1037 ATC: TEL/FAX: +2718 385 1131 MET: +2718 385 1110 Airport Fire Services: +2718 385 1132 AFS: FAMMZTZX
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON - FRI: 0600 - 1430
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	0300 - 1800
7	*ATS*	MON - FRI: 0545-1430; SAT-SUN: NIL; Public Holidays: NIL.
8	*Fuelling*	NIL
9	*Handling*	NIL

10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	Not in operation.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Mmabatho Palms, Mahikeng Protea hotels and several guest houses within 18km from the Airport.
2	Restaurants	McDonald's, Wimpy, and many more in town within 18km from the Airport.
3	*Transportation*	Avis and Europcar.
4	*Medical facilities*	First Aid room.
5	*Bank and Post Office*	Within 9km from Airport.
6	*Tourist office*	11 km from the Airport.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 2. Two shifts, 10 personnel per shift.
2	*Rescue equipment*	Hurst Jaws of life, one set Champion Jaws of life, chain saw, pneumatic cutting and air chisels, high and low pressure lifting bags. One major tender 12 000L,1 200L & 250kg DCP, one rapid intervention (RIV) 520L, one grass unit 450L and one Ambulance.
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	HOD: MON, WED & FRI 0400 - 1700, TUE & THU 0600 - 1700. Public holidays, SAT and SUN NIL RFFS available. No water rescue services available, the airport relies on SAPS for water rescue services which are situated at Potchefstroom and Rustenburg.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron surface and strength*	Concrete PCN 100
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	A-25M, B- 14M and C- 8M Surface: Asphalt
3	*Altimeter checkpoint location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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*	NIL
3	*Stop bars*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	Radio mast	NIL	ELEV 4266 FT	Lighted	4 NM ESE

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	O R Tambo INTL
2	*Hours of service* *MET Office outside hours*	Observations 0300 - 1800 FAOR (082 233 9600/8800)
3	*Office responsible for TAF preparation* *Periods of validity*	O R Tambo Meteorological Office 9 -11 HR, 3 Hourly
4	*Trend forecast* *Interval of issuance*	Trend Hourly
5	*Briefing / consultation provided*	NIL
6	*Flight documentation /* *Language(s) used*	Standard ICAO format English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	TWR, APP, Area
10	*Additional information (limitation of service, etc.)*	Flight documentation and other Aviation related information available on website http://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
04	023DEG T/ 039DEG M	4499 X 45	LCN 100 ASPH	254901.86S 0253221.04E	4172FT	-0.163%
22	203DEG T/ 219M	4499 X 45	LCN 100 ASPH	254647.46S 0253324.64E	4148FT	+ 0.163%

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
0	0	4619 X 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	Highest elevation of TDZ of precision APP RWY not available.
0	0	4619 X 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
04	4499	4499	4499	4499	NIL
22	4499	4499	4499	4499	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
04	SALS	Green	PAPI 3 DEG	white	NIL	White, last 600M amber	Red	NIL	See below.
22	SALS	Green	PAPI 3 DEG	white	NIL	White, last 600M amber	Red	NIL	

Remarks:
(1) Remote Switching: 3 clicks on microphone button on FREQ 119.3 MHz. Switches lights on. 5 & 7 clicks will increase light intensity. Lights switch OFF after 15 minutes.
(2) SALS and PAPI. SALS RWY 22 not connected to remote switching.
(3) TWY + Apron.

AD 2.15 OTHER LIGHTING SYSTEMS, 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 and centre line lighting*	Nil centreline lights, all TWY edge lights are blue.
4	*Secondary power supply and switch-over time*	Automated standby diesel generator provides power, supplies to the runway, taxiways, edge lights, floodlights and all radio communication in case ESKOM power supply fails - within 10 seconds.
5	*Remarks*	NIL

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

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ a) Clockwise along the arc of a circle, radius 5NM and centred at 254933.21S 0253206.19E.
2	*Vertical limits*	GND - 7500 FT ALT
3	*Airspace classification*	D
4	*ATS unit call-sign* *Language*	Mafikeng Tower English
5	*Transition altitude*	7 000 FT
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

1	2	3	4	5
Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
TWR	Mafikeng Tower	119.3 MHz	MON-FRI: 0545-1430 SAT-SUN: NIL Public Holidays: NIL.	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	MMV	112.900 MHz	H24	254933.23S 253206.20E	NIL	NIL
UHF DME		1163 MHz transmits 1100 MHz receives	H24	254933.23S 0253206.20E	4128 FT	Channel 76X coaxially collocated with VOR

AD 2.20 LOCAL AERODROME REGULATIONS

NIL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

AD 2.22 FLIGHT PROCEDURES

NIL

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD VOR A RWY 04	-AD-01 -VOR-01

FAMN

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAMN - MALELANE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	252824.00S 0313356.00E Mid-point of aerodrome
2	*Direction and distance from city*	3.8 NM E MALELANE
3	*Reference elevation/Reference temperature*	1153FT
4	*Geoid undulation at aerodrome elevation position*	51.3 FT
5	*MAG VAR* *annual change*	19°W (2018) 0°7' W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address.*	Malelane Airport (RCL FOODS) P O Box 47 MALELANE, 1320 Contact Person: Ina de Bruyn (+27)13 791 1112 Office hours (+27)79 888 2233 (After hours) Email: ina.debruyn@rclfoods.com TEL: For landing Clearance: (+27)13 791 1484 Fax: (+27)86 619 7958
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL night flying.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	Daylight
2	*Customs and immigration*	NIL
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	*Fuelling*	NIL
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	Security not liable in the event of loss or damage to aircraft.

AD 2.4 HANDLING SERVICES AND FACILITIES

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

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL
2	*Restaurants*	NIL
3	*Transportation*	NIL
4	*Medical facilities*	NIL
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL
2	*Designation, width, surface and strength of taxiways*	NIL
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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*	NIL
3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
OBST: Mountains South and North of Aerodrome within a 15 NM radius.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
OBST: Mountains South and North of Aerodrome within a 15 NM radius.					

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWYNR	*TRUE &MAG 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 APP RWY*
1	*2*	*3*	*4*	*5*	*6*
09	072°T	1248 x 18	ASPH LCN 17	252831.15S 0313335.86E	THR: 1127FT
27	252°T	1248 x 18	ASPH LCN 17	252819.70S 0313414.99E	THR: 1153FT
Designations RWY NR	*Slope of RWY-SWY*	*SWY dimensions (M)*	*CWY dimensions (M)*	*Strip dimensions (M)*	*OFZ*
1	*7*	*8*	*9*	*10*	*11*
09	+0.82%	NIL	NIL	NIL	NIL
27	-0.82%	200 X18	NIL	NIL	NIL
Remarks 12 Note: Slope in strip area; 10% in places. 1) ACFT must adhere to RWYs and TWYs.Park in the parking area facing south and keeping clear of taxiways at all times. 2) Grass cutting next to RWY.					

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
09	1248	1248	1248	1248	NIL
27	1248	1248	1448	1148	DTHR 100M

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 LEN, spacing, colour, INTST*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
09	NIL	GREEN	PAPI 3ºL	NIL	NIL	NIL	RED	NIL	NIL
27	NIL	GREEN	PAPI 3ºL	NIL	NIL	NIL	RED	NIL	

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL
2	*TLOF / 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

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

Payment: Electronic Fund Transfer (EFT) only. Landing without permission - an admin levy of R400 will be payable, over and above landing/parking fees.
Prior permission to land at Malelane must be obtained at least 24 hours/ 1 working day in advance / before arrival.
The appropriate forms for requesting landing permission can be obtained from (+27)13 791 1484 or
Fax (+27)86 619 7958

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

1. All ACFT OPR in and out of FAMN to BCST on 129.35 MHz. All IFR departures call FAKN APP on TEL: +27 13 751 2917 BFR start up. All TFC to remain CLR of FAKN TMA and CTR TIL CLR obtained. Poor reception on 119.2 MHz BLW 5000FT. For safety, keep a listening watch on 124.8 MHz.
2. All TFC in and out of FAMN are to OPR on 129.35 MHz Malelane special rules area as published in ENR 2.2. All TFC FM FAMN wishing to enter FAKN airspace are to call FAKN on 119.2 MHz, BFR getting airborne or climb OHD FAMN (remaining 7000FT AMSL or below) TIL CTC is established and CLR to enter controlled airspace is received.

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
RNAV (GNSS) RWY 09	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 27	-RNAV-02
Data tabulation	-RNAV-02A

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FAMO

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAMO - MOSSEL BAY (CP/KP)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	340925S 0220341E THR RWY 28
2	*Direction and distance from city*	8.45KM, 315° from Mossel Bay Town
3	*Reference elevation/Reference temperature*	526 FT/ 14°C
4	*Geoid undulation at aerodrome elevation position*	101.7FT
5	*MAG VAR* *annual change*	27.68° W / 2022 0°17'W
6	*AD Operator, address, telephone, telefax, email, AFS Address and, if available, website address*	PRIV AD CHF: Mossel Bay Aero Club, 69 Rooikat Street, Aalwyndal, P O Box 345, Mossel Bay, 6503 TEL: +27 44 695 4025 FAX: +27 44 695 4025 E-mail: office@mosselbayaero.com Web: www.mosselbayaero.com
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0600-1500
2	*Customs and immigration*	NIL
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	*Fuelling*	MON – SAT 0600 - 1500 After hours contact Bennie on +27 82 920 7709 R250.00 call out fee
9	*Handling*	NIL
10	*Security*	24 HR (Buildings only)
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	MOGAS, AVGAS 100LL, JET A1, W100
3	*Fuelling facilities and capacity*	Fuel Pump - 30 000L JET A1, 30 000L AVGAS, 10 000L Mogas
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	Yes (Prior arrangement)
6	*Repair facilities for visiting aircraft*	Limited
7	*Remarks*	Tie downs

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In Town
2	*Restaurants*	On aerodrome and in town
3	*Transportation*	Prior arrangement
4	*Medical facilities*	In Town
5	*Bank and Post Office*	In Town
6	*Tourist office*	In Town
7	*Remarks*	Clubhouse (Limited hours of duty) Flying Training - Starlite Aviation Group TEL: +27 44 692 0006 Fixed wing and helicopter Web: www.starliteaviation.com 617 Flight School, Fixed Wing, Roger Brink, CEL: +27 82 5775 100 Flying Medicals - Dr Eugene Marais: +27 44 693 1470

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT I Mossel Bay Municipality: Fire Department
2	*Rescue equipment*	Available at AD: Firefighting trailer (water and foam), Fire extinguishers, Fire hydrants and fire hoses.
3	*Capability for removal of disabled aircraft*	Tractor AVBL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	Grass cutters
2	*Clearance priorities*	NIL
3	*Remarks*	Clearways grass cutting as required

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Surface: Asphalt Strength: NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	Width: 7.5M Alpha: asphalt & gravel, Bravo: asphalt, Charlie: asphalt, Delta: asphalt, Sierra: asphalt Tango: gravel Strength: NIL INFO AVBL
3	*ACL location and elevation*	Location: 340925S 0220341E; Elevation: 526 FT
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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.*	As per aerodrome radio procedures.
2	*RWY and TWY markings and LGT*	RWY 10/28 designators marked. Runway Edge lights and Threshold lights. Photo cell daylight switch.
3	*Stop bar*	Painted white at A1 and A3
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Hangar	340919S 0220400E	NIL INFO AVBL	NO LIGHTS	510 M from THR on final RWY 28
NIL INFO AVBL	High ground	1.2 NM NW THR RWY 10.	900 FT ALT	NIL INFO AVBL	NIL

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Building	400 M S of THR RWY 28	30 FT	NO LIGHTS	NIL
NIL INFO AVBL	Powerlines	NIL INFO AVBL	26 FT	NIL INFO AVBL	Parallel to RWY along old road to Mossel Bay.

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Cape Town
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	ATIS / English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	Online weather station and webcams – mosselbayaero.com
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
10	070°T 097°M	1145 x 16	Asphalt	340937.8S 0220259.6E	543FT	0.04%
28	250°T 277°M	1145 x 16	Asphalt	340925.05S 0220341.47E	544FT	0.04%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	135 x 19	1205 X 36	NIL	NIL	NIL	NIL
NIL	165 x 16	1205 X 36	NIL	NIL	NIL	NIL

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
10	1145	1280	1145	1145	NIL
28	1145	1310	1145	1145	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
10	NIL	Green	NIL	NIL	NIL	1145M 50M spacing White	Red	NIL	NIL
28	NIL	Green	NIL	NIL	NIL	1145M 50M spacing White	Red	NIL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	RWY lighting controlled by daylight switch.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	340932.3S 0220329.2E / 101.7FT
2	*TLOF / FATO elevation (m/ft)*	535FT
3	*TLOF and FATO area dimensions, surface, strength, marking*	7 Helipads, 6M (round and septagon) Concrete
4	*True BRG of FATO*	NIL
5	*Declared distance available*	NIL
6	*APP and FATO lighting*	NIL
7	*Remarks*	Windsock – 70M west of centre of helipads

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. Located in high density area (GND/3500FT ALT).
2. Remain clear of FAGG TMA I (3500FT ALT/FL145).
3. Avoid unnecessary low flying in the vicinity of the aerodrome.
Ostrich farming, horse riding school south of airfield and residential buildings near airfield.
4. Beware of model flying just North of threshold 28, which is manned on FREQ 124.20 MHz when active.
5. All arriving and departing aircraft to have two- way communication.

AD 2.21 NOISE ABATEMENT PROCEDURES

Avoid unnecessary low approaches, residential buildings on final to RWY 28 and game park on final to RWY 10.

AD 2.22 FLIGHT PROCEDURES

1. Prior to joining, monitor 126.225 MHz for latest FAGG ATIS.
2. Frequency 124.2 MHz to be used within a 5NM radius of the aerodrome.
3. FAMO is a registered Parachute Drop Zone (sunrise to sunset). Monitor 124.2 MHz for jump plane advisory calls and hold 1NM from airfield while jumps in progress.
4. Unmanned airfield joining procedure by all fixed wing aircraft: Join overhead at 2 500FT on FAGG QNH (except during paradrops). The 'dead' side is to the north of the airfield not below 1 500FT. Helicopters, gyrocopters and microlights circuits - join north of the airfield not above 1 300FT on downwind leg for runway in use (10 or 28). Fixed wing circuits to the south of RWY 10/28 at 1 500FT.
5. Aircraft to remain clear of FAR 150 (1 500FT ALT/GND) 2NM west of threshold 10 (PetroSA).

AD 2.23 ADDITIONAL INFORMATION

1) Caution: Wind shear on approach to RWY 10 easterly winds in excess of 5 knots.
2) Zipline installed at Point Area, Mossel Bay. Launch site at: 341122.49S 0220900.13E (92.39 MSL) and slopes down to site at 341109.97S 0220933.42E (6.08 MSL).
Slope distance 939.7M, Horizontal distance 935.72M. Slope -9.224 PCT.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL	NIL

FANC

FANC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FANC - NEWCASTLE

FANC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	274622.00S 0295835.00E
2	*Direction and distance from city*	2 NM SE
3	*Reference elevation/Reference temperature*	4075FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	21° W (2007)
6	*Name of aerodrome operator, address, telephone, telefax numbers, e-mail address, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Municipality, Director: Culture and Amenities Private Bag X 6621, New Castle 2940 TEL: +27 34 328 7761 FAX: +27 34 312 9243 AD Manager TEL: +27 82 926 9297
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

FANC AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

FANC AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

FANC AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	Restaurants	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

FANC 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*	NIL

FANC AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

FANC 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL

FANC AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
OBST: (i) Ingagane Power Station 5 NM S of Newcastle with 2 smoke Stacks 300 FT AGL, 4 cooling towers 200 FT AGL, steel towers 150 FT AGL with conductors strung between them. (ii) 2 Major power lines E of AD.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FANC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

FANC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	091°T (112°M)	1400 x 23	ASPH LCN 18	274613.64S 0295809.37E	4075FT	-0.43%
29	271°T (292°M)	1400 x 23	ASPH LCN 18	274614.31S 0295900.51E	4055FT	+0.43%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
100	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
Remarks 1) ACFT must adhere to RWYs and TWYs and park in the parking area.						

FANC AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	1400	1400	1500	1400	NIL
29	1500	1500	1500	1400	NIL

FANC AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	NIL	Green W/Bar	PAPI 3°L	NIL	NIL	1500M 100M White	Red W/Bar	NIL	Edge lights last 400M yellow
29	NIL	Green W/Bar	PAPI 3°L	NIL	NIL	1500M 100M White	Red W/Bar	NIL	Edge lights last 400M yellow
Remote Switching of RWY Lighting: 7 Clicks on microphone button during a five second period on 124,8 MHz switches RWY lights on. Note: RWY lights will remain on for 20 minutes where after it will switch off automatically									

FANC AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

FANC AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

FANC 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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

FANC AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

FANC 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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FANC AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

FANC AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FANC AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

FANC AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

FANC AD 2.24 CHARTS RELATED TO AN AERODROME

AD RNP RWY 11 Data tabulation	-AD-01 -RNP-01 -RNP-01A

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FAOB

FAOB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAOB - OVERBERG - MILITARY - UNLICENSED

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	343329.22S 0201456.84E
2	*Direction and distance from city*	10 NM ESE of Bredasdorp
3	*Elevation/Reference temperature*	52 FT AMSL
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	27°W (2019)
6	*AD Administration, address, telephone, telefax, telex, AFS*	CATCO AFB Overberg P/Bag X 14 BREDASDORP 7280 Tel: (028) 425 4111 ADMIN: (028) 425 4081 APCH/TWR: (028) 425 4079 Cell: 079 502 5413 / 082 739 9764 BCP/OPS centre AH: (028) 425 4043 Telefax: (028) 425 4082, Fax: (028) 425 4198 MET: (028) 425 4081 Telegraphic Address: AFTN FAOBZTZX, FAOBZQZX, FAYLYVYX E-mail: overbergatc@gmail.com
7	*Types of traffic permitted (IFR / VFR)*	VFR/IFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	MON-FRI: 0545-1415.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON-FRI: 0545-1415. ATC SER AVBL on WKND, PUB holidays and after HRS of duty on 45 MIN STBY. Contact TFDC Base OPS Tel: (028) 425 4111
8	*Fuelling*	MON-FRI: 0545-1415
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift.
2	*Fuel and Oil types*	For military use only: AVGAS 100/130, JET A1 Oil: 100, D100
3	*Fuelling facilities and capacity*	Fuel Bowsers
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation available in Bredasdorp
2	Restaurants	SAAF Cafeteria, restaurants in Bredasdorp.
3	*Transportation*	NIL
4	*Medical facilities*	First aid and Hospital in town. Oxygen and related servicing.
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	Nil banking facilities on aerodrome, only in nearby town, Bredasdorp.

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 4
2	*Rescue equipment*	Trained personnel available
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	SAR-Under the coordinating direction of the South African Air Force.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Open all seasons.

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron surface and strength*	Concrete / PCN: N/A.
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	Taxiway A: Width 23M, taxiway B - H: Width 30M, Surface: ASPH, Strength: PCN: N/A
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	3 - 343348.6206S 0201508.3981E 4 - 343350.5447S 0201509.9997E
6	*Remarks*	NIL INFO AVBL

AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

	Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands.	NIL INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	1. Marking aids: All runways, threshold, Touchdown, RWY designator, RWY centerline & holding points 2. Arrestor Barriers: RWY 17 and RWY 28 3. GND movement CTL: Freq 119.8 MHz available with prior arrangement.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
- Windshear finals RWY 10/28 in strong wind conditions. - ACFT are not to touch down on or before the concrete section on threshold RWY 28 due to that section breaking up. - Three radio masts at position 1 NM west of RWY 35(98' AGL). Mast height 30 M and fitted with day/Night markings. - No marked taxilines on Apron B.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET Office outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation* *Periods of validity*	NIL INFO AVBL
4	*Trend forecast* *Interval of issuance*	Hourly METAR given by TWR/ATIS
5	*Briefing / consultation provided*	NIL INFO AVBL
6	*Flight documentation / Language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, etc.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
35	325°T	3110 x 44	ASPH LCN 70	343438.07S 0201611.55E	37 FT	0.09U
17	145°T	3110 x 44	ASPH LCN 70	343315.43S 0201459.58E	46 FT	0.09D
10	075° T	2111 x 30	ASPH LCN 70	343333.14S 0201345.43E	52 FT	0.10D
28	255° T	2111 x 30	ASPH LCN 70	343316.24S 0201504.28E	45 FT	0.10U
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

Remarks:

Circuit Procedures
Circuit altitude : Piston engined aircraft - 1100FT AGL
Jet engined aircraft - 1500 FT AGL
Turbine engined aircraft - 1600 FT AGL
Initial - 2000' AGL
RWY 35 in use - Right hand circuit
RWY 17 in use - Left hand circuit
RWY 10 in use - Left hand circuit
RWY 28 in use - Right hand circuit
Additional information:
1. No landing T available.
2. Avoid touch-down on concrete section of THR 28 due break-up of surface.
3.Wind shear on final approach RWY 10/28 in extreme wind conditions.

AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
10	2111	2111	2111	2111	Nil
28	2111	2111	2111	2111	Nil
17	3110	3110	3110	3110	Nil
35	3110	3110	3110	3110	Nil

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, INSTST*	*RWY Edge LGT LEN, spacing, colour, INSTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
35	HIALS 900M	NIL INFO AVBL	PAPI (3.0°)	NIL INFO AVBL	AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
17	HIALS 900M	NIL INFO AVBL	PAPI (3.0°)	NIL INFO AVBL	AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
10	SALS	NIL INFO AVBL	PAPI (3.0°)	NIL INFO AVBL	NIL INFO AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
28	SALS	NIL INFO AVBL	PAPI (3.0°)	NIL INFO AVBL	NIL INFO AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL

4	*Secondary power supply and switch-over time*	Emergency lighting & secondary supply available / 15 sec for switch over.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR a) A circle radius 15 NM centred on a point at 343322.035S 0201449.70E
2	*Vertical limits*	GND/3500 FT ALT
3	*Airspace classification*	Class C. Class “G” airspace outside ATC HR of SER. Pilots to BCST on Freq 119.8MHz.
4	*ATS unit call-sign* *Language*	Overberg Approach English
5	*Transition altitude*	5000 FT AMSL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	-	115.4MHz	-	NIL
Ground	Overberg	119.8 MHz	MON-FRI: 0545-1415	Available with prior arrangement
Tower	Overberg	119.8 MHz	MON-FRI: 0545-1415	NIL
Approach	Overberg	119.8 MHz	MON-FRI: 0545-1415	NIL
Informational	Overberg	119.8 MHz	MON-FRI: 0545-1415	NIL
VDF Available	Yes	-	-	NIL

AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC	OBI	110.9 MHZ	H24	343303.32S 0201447.75E	46 FT	NIL
ILS GP		330.8 MHz	24 HR	343430.65S 0201557.99E	37 FT	NIL
VOR DME	OBV	115.4 MHz CH101X	24 HR	343322.03S 0201449.70E	43 FT	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

-Standard

AD 2.22 FLIGHT PROCEDURES

- FAOB is within FAR 147. Aircraft intending to enter require prior authorisation from the Chief Air Traffic Control Officer Overberg.
Tel: (028) 425 4079 during hours of service.

AD 2.23 ADDITIONAL INFORMATION

- All FPL's to FAOB must be addressed to FASFYVYX. this is to ensure receipt of FPL's after HRS.
- Prior authorisation is necessary from the Chief of South African National Defence Force to make use of the aerodrome facilities.
- Diversion and landing in EMERG only.
- Airfield unmanned after hours of service. ATS on STBY (45 MIN) will notify applicable ATSUs should the airfield and airspace be manned with operations outside normal hours of service.
- Avoid area 3423.0S 02033.5E within 3NM radius due to vulture activities.
- Bird hazard exists on final approach to all runways.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FAOH AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAOH - OUDTSHOORN

FAOH AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	333600S 0221100E
2	*Direction and distance from city*	NM SW
3	*Elevation/Reference temperature*	1063 FT
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	24°W (2003)
6	*AD operator, address, telephone, telefax, Email, AFS address and, if available, website address*	PUB AD CHF: Oudtshoorn Municipality, P O Box 255, Oudtshoorn. 6620. TEL: +27 44 203 3000 FAX: +27 44 203 3104 TWR: +27 44 272 7934 E-MAIL: post@oudtmun.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

FAOH AD 2.3 OPERATIONAL HOURS

1	*AD operator*	MON-FRI: 0600-1300, SAT-SUN:NIL, PUBLIC HOL: NIL
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON-FRI: 0500-1600, SAT: 0600-1100, SUN: NIL PUBLIC HOL: NIL
8	*Fuelling*	Controlling Authority: Oudtshoorn Aero Club. AVGAS 100LL, JET A1, Aeroshell W100 AVBL. HOD: MON-FRI: BTN 0600-1500 and SAT: BTN 0600-1100. Pieter Lategan: CELL: +27 82 824 6855. Payment accepted by Credit Card or cash.
9	*Handling*	NIL INFO AVBL
10	*Security*	24 HR
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	Alternate AD for FAGG and FAPG

FAOH AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	Fuel grades: AVGAS 100LL, JET A1, Aeroshell W100 AVBL. Oil grades: W100 Credit Card facilities AVBL for payment of fuel, LDG fees and parking fees.
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	AVBL
7	*Remarks*	NIL

FAOH AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation: Hotels & Guest Houses in town - unlimited
2	Restaurants	Restaurants in town of a wide variety
3	*Transportation*	NIL
4	*Medical facilities*	Hospital in Town - 3KM
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

FAOH 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*	NIL

FAOH AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Seasonal Availability: All Seasons

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

1	*Apron surface and strength*	NIL INFO AVBL
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	NIL INFO AVBL
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL INFO AVBL

FAOH 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL INFO AVBL

FAOH AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Automatic WX STN	333601S 0221132E	HGT 32.81 FT AGL	NIL INFO AVBL	40M W of APN. Pilots especially helicopters, to EXER CTN when approaching for refuelling purposes.

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

FAOH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

FAOH 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
04	011º	1701 x 30	ASPH LCN 45	333651.99S 0221113.07E	1040FT	0.004U
22	191º	1701 x 30	ASPH LCN 45	333600.88S 0221127.02E	1061FT	0.004D

SWY Dimensions (M)	*CWY Dimen-sions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
86	NIL	1821 X 80	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	1821 X 80	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAOH AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
04	1615	1615	1701	1701	NIL
22	1701	1701	1701	1615	NIL

FAOH AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Co-lour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, spacing, colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
04	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
22	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	

FAOH AD 2.15 OTHER LIGHTING SYSTEMS, 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 and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

FAOH 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

FAOH AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ Circle Radius:- 5 NM Centre: 333600S 0221100E Excluding FAR47.
2	*Vertical limits*	GND/6000FT ALT
3	*Airspace classification*	Class G
4	*ATS unit call-sign* *Language*	English - Oudtshoorn Radio
5	*Transition altitude*	NIL INFO AVBL
6	*Remarks*	AFIS Provided by AIFA

FAOH AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
AFIS	Oudtshoorn Radio	131.1 MHz transmits and receives	MON-FRI: 0600-1300, SAT-SUN: NIL PUBLIC HOL: NIL	Oudtshoorn Radio unmanned occasionally due to NIL flight school activity.

FAOH 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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FAOH AD 2.20 LOCAL AERODROME REGULATIONS

(1) All traffic routing inbound to establish contact with Oudtshoorn Radio on frequency 131.100 MHz at the following reporting points:
Aircraft inbound from the East to report at Dysselsdorp (333430S, 0222460E) at 4500’ ALT initially and then routing to Railway Crossing (333508S, 0221737E) at 3500’ ALT.
Aircraft inbound from the South to report 1NM East of the Candy Cane Mast (334015S, 0221559E) at 3500’ ALT.
Aircraft inbound from the West to report 1NM North of the Lovebridge (333824S, 0220526E) at 3500’ ALT.
Traffic inbound from the North to report at Schoemanshoek (333126S, 0221404E) at 3500’ ALT.
Aircraft routing outbound to maintain 2500’ ALT or below until 5NM.
(2) Circuit Pattern: RWY 22- left hand, RWY 04 Right hand.
(3) Very active Flight Training school. High volume of flight training aircraft leaving & entering the ATZ.
(4) Warning: SE BOUNDARY FAR 47 GND/FL195 1NM NW of AD.

FAOH AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FAOH AD 2.22 FLIGHT PROCEDURES

1) Returning / routing to the FAOH ATZ Class G Aerodrome with a suspected RCF: (During FAOH ATSU operational hours of duty and in VMC)
i) Squawk 7600 (if transponder equipped)
ii) Make the relevant blind broadcasts to advise all traffic of intended routing and procedures.
iii) Route towards the FAOH Aerodrome maintaining 3500 FT and switch all navigation lights on.
iv) On entering the ATZ descend to 3100 FT (1000 FT above CCT altitude) routing overhead the Aerodrome. Once the traffic is overhead the Aerodrome, descend on the dead side (West side of RWY) of the Aerodrome and then position either left downwind RWY 22 or right hand downwind RWY 04 while descending to circuit altitude (positioning dependant on runway in use at the time as determined by the pilot).
v) Continue to make relevant blind broadcasts while in the circuit pattern.
vi) Position on final to land in a safe manner continually looking out for other traffic.
vii) Land and vacate the relevant runway in use and taxi following the safest possible route to the apron.
viii) Contact with FAOH ATC either telephonically or in person to advise of safe landing and to assist with details required for the completion of a relevant report if aircraft belongs to AVIC International Flight Training Academy or Mandatory Occurrence Report if a visiting aircraft.

2) Returning / routing to the FAOH ATZ Class G Aerodrome with a suspected RCF: (Outside FAOH ATSU operational hours of duty and in VMC)
i) Squawk 7600 (if transponder equipped).
ii) Make the relevant blind broadcasts to advise all traffic of intended routing and procedures.
iii) Route towards the FAOH Aerodrome maintaining 3500 FT. Switch all navigation lights on.
iv) On entering the ATZ descend to 3100 FT (1000 FT above CCT altitude) routing overhead the Aerodrome. Once the traffic is overhead the Aerodrome, descend on the dead side of the Aerodrome (West side of RWY) and then position either left downwind RWY 22 or right hand downwind RWY 04 while descending to circuit altitude (positioning dependant on runway in use at the time as determined by the pilot).
v) Continue to make relevant blind broadcasts while in the circuit pattern.
vi) Position on final to land in a safe manner. Continue look out for other traffic.
vii) Land and vacate the relevant runway in use and taxi following the safest possible route to the apron.

FAOH AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

FAOH AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FAOR

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAOR - O R TAMBO INTERNATIONAL

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	260801.30S 0281432.34E Mid-point of aerodrome APRX 860M WNW of ATNS CTL TWR
2	*Direction and distance from city*	10 NM ENE of Johannesburg Central Johannesburg
3	*AD elevation/Reference temperature*	5558FT (1694M) Circuit: 7000 FT ALT 21.2° C
4	*Geoid undulation at aerodrome elevation position*	88.9 FT
5	*MAG VAR* *annual change*	20° W (2024) 0.16° W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	AD Operator: Airport Company SA Ltd. (ACSA) P/Bag X1 OR TAMBO INTL Airport 1627 SITA Addresses: QRACY7X Telex: 87807 SA TEL: +2711 921 6911 FAX: +2711 394 0806 INFO ACSA: +2711 921 6262 WEB: www.acsa.co.za ATS ATNS: D-ATS TEL: +2711 928 6461 Central Airspace Management Unit (CAMU): TEL: +2711 928 6433 FAX: +2711 928 6420 Aeronautical Information Management Unit (AIMU) Contingency TEL NR as FLW. These TEL NR are only SVCBL when the primary TEL NR (+2786 035 9669) is U/S. AIMU FLIGHT PLANNING BRIEFING: +2710 498 5453, +2710 498 5463, +2710 498 5460, +2710 498 5461, +2710 498 5454 and +2710 498 5450. AIMU ATN CENTRE: +2710 498 5462 AIMU NOTAM OFFICE: +2711 395 1390 Johannesburg ACC: TEL: +2711 928 6448/9 Johannesburg FIS: TEL: +2711 928 6450 Avionics Fault Reporting: TEL: +2711 928 6477 or +2711 921 6500

		Weather Services Aviation Weather Centre PO Box 1194 OR TAMBO INTL AP 1627 Forecaster: +2711 390 9329/30 Observers: +2711 390 9331 Administration: +2711 390 9333 FAX: +2711 390 9332
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	H24
3	*Health and sanitation*	H24
4	*AIS briefing office*	H24
5	*ATS reporting office (ARO)*	H24
6	*MET briefing office*	H24
7	*ATS*	H24
8	*Fuelling*	H24
9	*Handling*	H24
10	*Security*]	H24
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	1) Capable of handling 74F/A380. 2) EQPT AVBL at AD to handle single item up to a weight of 20 tons. Single items greater than 20 tons in weight can be handled by special arrangement. CTC any handling agent for further details. 3) Handling Agents: Colossal: +2711 300 8536/+2710 201 2526 Menzies: +2783 726 1977
2	*Fuel and Oil types*	Fuel grades: Jet A1 only ORTAFS TEL: +2711 397 1606/7/8/9 Oil grades: GND engineer or handling agent to arrange

3	*Fuelling facilities and capacity*	No Limitations a) Hydrant system, 3000L/MIN all aprons EXC APN M b) 2 Bowsers total capacity 40000L c) 1 X De-fuel truck capacity 20000L. d) 19 hydrant dispenser trucks
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	By special arrangement with SAA, contact Technical Operations Centre at +2711 978 3603, ask for Third party
6	*Repair facilities for visiting aircraft*	By special arrangement with SAA, contact Technical Operations Centre at +2711 978 3603, ask for Third party
7	*Remarks*	All aircraft operating for repairs should contact Apron Office on +2711 921 6536 and report intention and contact information.

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	AVBL at AD in terminal A transit area, near AD and in city. CTC Help Desk - +2711 921 6262 or INFO counter in all terminals
2	Restaurants	At AD, CTC Help Desk - +2711 921 6262 or INFO counter in all terminals
3	*Transportation*	Taxis, Shuttles, Buses, E-hailing, Car Rental and train (Gautrain) AVBL at AD. CTC Help Desk - +2711 921 6262 or INFO counter in all terminals
4	*Medical facilities*	Clinic at AD in terminal B, CTC - +2711 921 6609: H24. Nearest hospital in Kempton Park - 4KM
5	*Bank and Post Office*	AVBL at AD. CTC Help Desk - +2711 921 6262 or INFO counter in all terminals
6	*Tourist office*	At AD CTC Help Desk - +2711 921 6262 or INFO counter in all terminals
7	*Remarks*	Self-service and Information kiosks available in all terminals to assist passengers and public regarding service queries

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 9. 1. Can accommodate CAT 10 requirements 2. H24 daily with trained personnel. 3. 4 shifts with minimum 14 personnel per shift on duty.

2	*Rescue equipment*	Level B Foam 6% and Dry Chemical Powder 15 000L X 4 responding Fire tenders, Total 60 000L +2711 921 6603
3	*Capability for removal of disabled aircraft*	IATA kit AVBL - staged at South African Airways Technical
4	*Remarks*	Mutual aid agreements with local authorities.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	N/A
2	*Clearance priorities*	N/A
3	*Remarks*	N/A

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

1	*Apron designation, surface and strength*	Surface: concrete APN A1R to A13 PCR 681/R/A/W/U APN B1 to B13 PCR 377/R/A/W/U APN C1 to C8 and C19 to C24 PCR 377/R/A/W/U APN C9 to C18 PCR 200/R/A/W/U APN D1 to D50 PCR 681/R/A/W/U APN E1 to E13 PCR 681/R/A/W/U APN F1 to F7 PCR 681/R/A/W/U APN G1 to G7 PCR 377/R/A/W/U
2	*Taxiways width, surface and strength*	Width: 30.5M EXC Echo which is 60M wide Surface: ASPH TWY A, B, C south of TWY N, D, E, and G8 to G11, F, H, I (west of RWY 03L/21R), L, P, Q, RR, RS, J (east and west of RWY 03L/21R), Y PCR 681/F/A/X/U. TWY C north of TWY N, TWY I east of RWY 03L/21R, K, T, N PCR 377/F/A/X/U.
3	*ACL location and elevation*	Pre-flight altimeter check points and ELEV THR RWY 03L - 5558FT THR RWY 21R - 5505FT THR RWY 03R - 5510FT THR RWY 21L - 5494FT
4	*VOR check points*	VOR: See AD Chart
5	*INS check points*	INS: See AD Chart
6	*Remarks*	1. Lead-in lights and signage will indicate the beginning of RE on RWY 03R positioned at TWY E intersection.

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.*	1.Only Class C ACFT and smaller will be accommodated on C APN. (MAX ACFT type B737-900) 2. Any operation of B747-400 ACFT into the SAA Technical area will not provide the ICAO recommended clearance DIST. 3. ACFT of 12000 kg or more and wingspan exceeding 24 meters when parked at A, B, C, D, E, F and G APN, must push back from ACFT stand. All aircraft parked on APN stand shall push back from stand unless authorised by AD authority to power out. Selective stands are identified for self-manoeuvring. Stands compatible for self-manoeuvring aircraft with wingspan not exceeding 15 meters: C9-C12 Stands compatible for self-manoeuvring aircraft with wingspan not exceeding 24 meters: C13-C24, D31-D48, G1, G3, G5 and F1-F7. 4. Pilots to CTC APN CTL on FREQ 122.65MHz, prior to top of DES or when in VHF range for allocation of PRKG bays or hangar and provide the FLW INFO: ETA, ACFT REG, PAX onboard and last AP departed. The PRKG bay INFO and ACFT REG is to be transmitted to TWR on FREQ 118.6/118.1 MHz on vacating the RWY for TAX instructions. 5. Unscheduled ACFT to notify APN office 24HR prior to operation for PRKG stand allocation. APN office TEL: +2711 921 6209 APN office e-mail: opscentre@airports.co.za PRKG stands are not guaranteed to unscheduled ACFT operating without prior notification. 6. Aircraft with ground time exceeding 14 hours on parking stands will be required to re-position to an alternative stand, hangar or location. 7. All flights, EXC training and test flights, must make use of the aprons and terminals at FAOR as allocated by APN CTL. No flights may operate directly to and FM hangars unless agreed with the AD authority. 8. No ACFT with a wingspan of 52M or greater (Code E and F) are allowed on D APN taxi lane when ACFT with a wing span of 65M or greater (Code F) are TAX on Northern portion of TWY A past D APN (FM D APN stands D2-D50). Wing tip clearance is restricted and BLW ICAO recommendation. 9. ACFT pushing back FM PRKG stand D2, D3 and D4 must be pushed back to face N and exit onto TWY G8 onto TWY A. 10. ACFT with a wingspan of 65M or greater (CODE F) PRKG at PRKG stand D3A must enter and exit D APN via TWY G9. When manoeuvring on taxi lane D, Pilots to EXER CTN and remain on the taxilane CL to maintain wingtip CLR FM other parked ACFT. DIST FM taxilane CL to the back of ACFT stands is 42.5M. 11. Automated DCKG system PRKG stands Alpha 1R to Alpha 13, Charlie 1 to Charlie 8 and stands E1-E13. Pilots are to ensure the FLW: a) The stands are clear of objects; b) Correct INFO is displayed on monitor - including ACFT type and series. c) DCKG instructions will be displayed on monitor, pilots to intercept CL and FLW the AZM guidance display. d) AZM guidance can be used from both the Captain seat (left of closing rate display) and the First Officer's seat (right of closing rate display).

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands.*	e) EXER CTN when DCKG on stands on Apron A, especially A4, A5 and A6 due to sunlight reflecting off the Automatic DCKG panels at sunrise. Should DCKG INFO be impaired, CTC APN CTL on 122,65MHz for assistance. 12. The taxi lane BTN APN A and B deviates to the right at PRKG stands B7 and B8. Pilots to follow new line when taxiing through the APN. 13. TWY RE distance from 03R THR is 1777.73M. Pilot to plan for appropriate exit speeds. 14. Pilots are REQ not to exceed 10KT when taxiing on any of the aprons, when low VIS PROC is in force. 15 ACFT entering PRKG bays on APN A, B, E and F to use minimal thrust required so as to avoid adverse jet blast effects to GND handling OPS on opposite APN. 16. Operators need to notify APN CTL on TEL +27 11 921 6209 or FREQ 122.65MHz prior to positioning FM the hangars to the APN. 17. When taxiing on TWY A towards RWY 21R HLDG point at ABM TWY Q the centre line deviates 10M to the west. 18. ACFT entering APN A and B via TWY E or ACFT XNG RWY 03L/21R at TWY E in a westerly direction to use minimal thrust required so as to avoid adverse jet blast effect to ACFT TKOFF or LDG on RWY 03L/21R. ACFT taking-off or LDG on RWY 03L/21R to be aware of XNG TAX ACFT jet blast when passing TWY E INT. 19. ACFT LDG or TKOF on RWY 03L/21R to be aware of jet blast FM ACFT XNG or vacating RWY 03L/21R at any of the intermediate INT & to EXER CTN. 20. When code F ACFT (B748, A380 and AN124) push back FM or to ACFT PRKG bay D50 on TWY D the ACFT encroach into TWY A. ACFT using TWY A to hold short of TWY D when code F ACFT are pushing back FM or to enter PRKG bay D50. 21. ACFT HLDG at RWY HLDG PSN TWY N west of RWY 03L/21R encroach into TWY A. ACFT using TWY A to hold short of TWY N when there is another ACFT HLDG on TWY N. 22. Intersection Taxiway B and TWY M, aircraft to exercise caution when taxiing south bound to threshold runway 03L as taxiway B bends to the east, approximately 450M after passing intersection taxiway India and TWY M continues straight ahead. Only Code C aircraft, wingspan less than 36M or outer main gear wheel span less than 9M are allowed on TWY M. All aircraft entering APN M shall be under tow. 23. Jet Centre hangar gate is 47M in width. Pilots to ensure wingtip CLR is adequate for ACFT TYP when TAX through gate. 24. PRKG Stands G1, G3, G5 and G7 are multiconfigured for ACFT PWR out and ACFT pushback. PWR out is LTD to ACFT wingspan of 23.24M or smaller and ACFT length of 32.51M or smaller. 25. Code F ACFT into PRKG Stand D1 to enter and/or exit via TWY G8. Pushback OPS to face N, pull forward TIL port wingtip is aligned with PRKG bay D2R and exit via TWY G8. 26. Wide body ACFT pushing back FM PRKG stand E12, is recommended to follow guidance strip leading FM the PRKG stand into the taxilane. 27. When code F ACFT (B748, A380) pushback FM ACFT PRKG stand E12, the ACFT will be pushed tail first into PRKG stand F6, before aligned on the taxilane centre line.

		28. Pilots to take caution when cleared past the CAT II holding points on taxiways Alpha and Bravo to the CAT I holding point for RWY03L as the green centreline lights will illuminate all the way onto the RWY when the stopbars are deselected, giving the impression that clearance onto the RWY was obtained. Visual cues may thus differ from the actual ATC clearance received. 29. TWY M CLSD to all ACFT EXC when under tow. All ACFT with a MAX wingspan of 36M requiring to utilise TWY M when OPR under own PWR to CTC AP management centre (AMC) +27 10 207 2818, +27 82 787 8629 or APN CTL on 122.65 MHZ for APV. 30. TWY C from TWY N intersection to THR 21R is restricted to MAX code C ACFT, ACFT with Wingspan of up to including 36m and/or out main gear wheelspan of less than 9M. 31. B777-9 Operations: a) B777-9 must taxi or tow as a Code E aircarft (i.e., with Folding Wing Tips (FWTs) folded) if unable to advise ATC before RWY exit or pushback. b) In case of non-normal FWT operations, the aircraft must use Code F taxiways and Code F parking stands.
2	*RWY and TWY markings and LGT*	1. Marking aids: RWY 03L/21R & 03R/21L: THR, RWY designation, Centre line fixed distance, touchdown zone, side stripes. 2. TWY A edge lights replaced with TWY centre line lights. 3. RWY centre line lights only operational in CAT II operations. 4. TWY centre line markings and LGT for RET RS and RET RR designed for ACFT with long wheel bases (example A340-600). ACFT exiting RWY 03R via RET RS turning left into TWY Y and ACFT exiting RWY 21 L via RET RR turning right into TWY Y to EXER CTN to avoid the main undercarriage running of the TWY. 5. RWY 21L edge LGT white until 600M FM end, FM 600M to end yellow. RWY 21R edge LGT white until 600M FM end, FM 600M to end yellow. RWY 03L edge LGT white until 600M FM end, FM 600M to end yellow. RWY 03R edge LGT white until 600M FM end, FM 600M to end yellow. 6. Enhanced paint markings on all RWY intersections. 7. Parts of TWY L, K, and I (east of RWY 03L/21R) shoulders are unpaved for aircraft with outer engines span of 28M or wider. Pilots to exercise caution when taxiing.
3	*Stop bar*	Stop bars on all RWY/TWY intersections. No crossing of 3 Stop bars red stop bar LGT will be allowed unless specifically approved by ATC and accompanied by a leader vehicle.
4	*Remark*	Taxiing Guidance System - Nil Visual Guidance System - Nil Indicators and ground signalling devices - WDI LGTD.

AD 2.10 AERODROME OBSTACLES

In Circling Area and at AD					
In Area 2					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/Type, Colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
FAOR 01	Mast	260904.30S 0281418.06E	5668.46FT	NIL LGT: NIL	NIL
FAOR 02	L Band Radar Building	260859.36S 0281329.11E	5771FT	Day/Night, LGT: NIL	NIL
FAOR 03	Mast	260706.70S 0281452.81E	5665.91FT	NIL LGT: Red	NIL
FAOR 04	Hangar	260842.65S 0281341.64E	5698.86FT	NIL LGT: NIL	NIL
FAOR 05	Hangar	260832.74S 0281347.80E	5709.66FT	Night LGT: NIL	NIL
FAOR 06	ATC Tower	260813.00S 0281459.47E	5729.03FT	White LGT: Red	NIL
FAOR 07	Koffie Huis Building	260802.91S 0281253.11E	5733.32FT	Night LGT: NIL INFO AVBL	NIL
FAOR 08	S-Band Radar	260747.00S 0281508.00E	5703FT	NIL LGT: Red	NIL
FAOR 09	VHF Transmitter	260856.43S 0281531.11E	45M (147.6FT AGL)	Day/Night LGT: Red	NIL
FAOR 10	VHF Transmitter	260812.96S 0281507.87E	35M (114.8FT AGL)	Day/Night LGT: Red	NIL
FAOR 11	VHF Antenna	260856.00S 0281531.00E & S260855.00S 0281531.00E	45M (150FT AGL)	Day/Night LGT: Red	NIL
FAOR 12	Mast on BLDG	260618.95S 0281344.85E	ELEV: 5716.27FT	Day markings: Red and White Night markings: Red LGT	NIL
FAOR 13	Building	260840.28S 281231.77E	1757.76M AMSL	NIL LGT: NIL	Obstacle group consolidated under apex height.
REMARK: Iron and Steel works, 5NM SE of the AD REF point at position 261230S 0281730E, releases hot gas at unspecified times - day and night - which is ignited and may cause severe turbulence to 500FT AGL - A BLDG obstruction ADJ TWY A (BTN TWY E and TWY F). BLDG DIST FM TWY CL is 53.258M. All code F ACFT (total wingspan: 80M) to taxi with extreme CTN. -Boksburg South, Boksburg (261356.6S 0281609.5E): Tower (249FT AGL) Obstacle light unserviceable.					

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	OR Tambo INTL
2	*MET office responsible outside hours*	H24
3	*Office responsible for TAF preparation and periods of validity*	FAOR +27 82 233 9600/8800 30HR, 6 hourly
4	*Type of trend forecast and interval of issuance*	METAR and TREND Every half hour between 0200-2000 and hourly between 2000-0200
5	*Briefing / consultation provide*	Personal and telephonically
6	*Flight documentation / language(s) used*	In ICAO format AVBL for all flight levels. English
7	*Charts and other information available for briefing or consultation*	Standard MET charts
8	*Supplementary equipment available for providing information*	Radar/Satellite/LDN
9	*ATS units provided with information*	TWR, APP, Area
10	*Additional information (limitation of service, etc.)*	Internet: http://aviation.weathersa.co.za Fax-on-demand: +27 82 289 2010

AD 2.12 RWY PHYSICAL CHARACTERISTICS

Designations RWY NR	*True BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) and surface of RWY and SWY*	*THR coordinates*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
03L	016º	4421 x 60	PCR 681/F/A/X/U ASPH	260847.11S 0281403.62E	5558FT	0.004D
21R	196º	4421 x 60	PCR 681/F/A/X/U ASPH	260642.86S 0281442.09E	5505FT	0.004U
03R	016º	3405 x 60	PCR 681/F/A/X/U ASPH	260953.17S 0281453.22E	5510FT	0.001D
21L	196º	3405 x 60	PCR 681/F/A/X/U ASPH	260806.64S 0281526.20E	5494FT	0.001U

SWY Dimensions (M)	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
00	270	4689 x 300	240 x 120	NIL INFO AVBL	NIL INFO AVBL	See below
00	100	4689 x 300	240 x 120	NIL INFO AVBL	NIL INFO AVBL	See below
57	60	3639 x 300	240 x 120	NIL INFO AVBL	NIL INFO AVBL	See below
57	60	3639 x 300	240 x 120	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks
1. RWY 03L/21R CLSD for MAINT:
MON 2230 till TUE 0300.
WED 2230 till THU 0300.
2. RWY 03R/21L CLSD for MAINT:
TUE 2100 till WED 0300.
THU 2100 till FRI 0300.
3. No construction will be permitted DRG low visibility operation or IMC.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
03L	4421	4691	4421	4421	NIL
21R	4421	4521	4421	3971	THR displaced 450M
03R	3405	3465	3462	3405	NIL
21L	3405	3465	3462	3405	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
21L	PALS; CATII; LIH; White to 900M FM end; FM 900M to 300M FM end alternative white & red; last 300M red. DIST BTN lights - 30M	Green	PAPI; both 3º	White	CAT II; LIH; white to 600M FM end, FM 600M to 300M FM end alternative white & red; last 300M red. DIST BTN lights - 30M	White until 600M FM end; FM 600M to end yellow. DIST BTN lights - 60M	Red	NIL	NIL
21R	PALS; CAT II; 900M; LIH; white CL Barrette, RED side row Barrette last 270M, white cross bars at 150M & 300M FM THR	Green	PAPI; both 3º	White	White to 900M FM end, FM 900M to 300M FM end alternate white and red; last 300M red. DIST BTN lights - 30M	White until 600M FM end; FM 600M to end yellow. Spacing 60M BTN LGT	Red	NIL	THR displaced by 450M
03L	PALS; CAT II; 900M; LIH; white CL, red side bars last 270M, white cross bars at 150M and 300M FM THR	Green	PAPI; both 3º	White	CAT II; LIH; CL white to 600M FM end, FM 600M to 300M FM end alternative white & red; last 300M red. DIST BTN lights - 30M	White until 600M FM end; FM 600M to end yellow. DIST BTN lights - 60M	Red	NIL	NIL

03R	PALS; CAT II; 900M; LIH; white CL, red side bars last 270M, white cross bars at 150M and 300M FM THR	Green	PAPI; both 3º	White	CAT II; LIH; CL white to 600M FM end, FM 600M to 300M FM end alternative white & red; last 300M red. DIST BTN lights - 30M	White until 600M FM end; FM 600M to end yellow DIST BTN lights - 60M	Red	NIL	NIL

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	LDI: NIL Anemometer: THR RWY 03R electronic LGT THR RWY 21L THR RWY 03L electronic LGT THR RWY 21R electronic LGT
3	*TWY edge and centre line lighting*	Edge: All TWY edge lights blue. Only lead in lights provided. All rapid taxiways have green CL lights. The following TWY have green CL lights: TWY A FM RWY 21R to INT TWY B, TWY B FM TWY I to APN A, TWY I FM RWY 03L/21R to APN C TWY L FM RWY 03L/21R to APN C, TWY E FM RWY 03L/21R to APN A, TWY H BTN RWY 03L/21R and TWY A TWY N west of RWY 03L/21R; TWY B at the curve at INT WITH APN taxilane M and all rapid exit TWY. All other TWY have blue TWY edge LGT. TWY E east of 03R/21L to Denel (Taxiways with centreline lights). TWY B FM CAT II to APN A (Green centreline lighting) Below taxiways with no centreline lights for CAT II LVP: TWY D, TWY H (west of TWY A),TWY Q, TWY F, TWY J (East and West of RWY 03L/21R), TWY C, TWY N (East of 03L/21R), TWY E (between 03L/21R and 03R/21L), TWY E (east of RWY 03R/21L) TWY H (between 03L/21R and 03R/21L), TWY P, TWY K, TWY L (between TWY Y and RWY 03L/21R), TWY I (East of 03L/21R) TWY Y.
4	*Secondary power supply and switch-over time*	A diesel operated standby generator supplies power to the normal facilities and installations, including all runways, taxiways and apron edge lighting; all radio, radar and NAV aid systems including PAPIs. The UPS is powered by the local municipal supply and secondly by the diesel operated stand-by generator.

5	*Remarks*	a) Stop bars red. b) Obstacle lighting c) Apron floodlights. d) All RWY holding positions have RWY guard lights installed

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	TLOF 260638.4S 0281433.8E
2	*TLOF and/or FATO elevation (M/FT)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	Landing area: 50M x 40M Surface: Concrete Touchdown area: 16M x 16M Strength: 20t
4	*True BRG of FATO*	NIL
5	*Declared distance available*	N/A
6	*APP and FATO lighting*	NIL
7	*Remarks*	a) APN W 2 helipads (north of G APN) b) Use by prior arrangement with AD REF 2.9.1 c) Contact APN office prior to landing.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR The area bounded by lines drawn as follows, excluding the Rand ATZ. a. From a point at 260002S 0282344E a straight line joining the FLW points: 261632S 0282014E, 262232S 0281429E, 262332S 0281139E, 261602S 0280439E. b. Thence clockwise along the Rand ATZ to a point at 261117S 0280559E. c. Thence a straight line joining the following points 255902S 0280959E, 255222S 0280629E. d. Thence anticlockwise along the arc of a circle, radius 7NM and centred on a point at 254931S 0281347E, to a point at 255632S 0281139E. e.Thence a straight line to the starting point.
2	*Vertical limits*	7 600 FT ALT Note:- Lower limit ABV Rand ATZ 6500FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	O R Tambo Radar/O R Tambo Tower. English
5	*Transition altitude*	Transition altitude: 8000FT
6	*Remarks*	EXC where otherwise AUTH, no ACFT is to be operated in this airspace unless two-way RDO CTC is maintained with ATC & the ACFT is equipped with SER mode C transponder.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequencies*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
APP	Johannesburg Radar West	123.7MHz	DLY 0500-1700	Radar West combined onto 124.5MHz 1700-0500. See Note (2)
APP	Johannesburg Radar South	124.5MHz	H24	See Note (2)
APP	Johannesburg Radar East	124.5MHz	H24	NIL INFO
APP	Johannesburg Radar Director	121.4MHz	As required DRG peak hours	Radar Director combined onto 124.5MHz outside peak hours.
ACC	Johannesburg Area North	126.7MHz	H24	See Notes (1), (2)
ACC	Johannesburg Area South	128.3MHz 126.7MHz	DLY 0430-1800 DLY1800-0430	See Notes (2)
FIS	Johannesburg Information North	127.4MHz 126.7MHz	DLY 0430-1600 DLY1600-0430	See Note (2)
FIS	Johannesburg Information South	127.4MHz 119.5MHz 127.4MHz 126.7MHz	DLY 0430-0600 DLY 0600-1400 DLY 1400-1600 DLY 1600-0430	See Note (2)
FIC/ACC FIC/ACC RSR	Johannesburg Central Information/ Control	120.3MHz transmits and receives	H24	Extended range VHF relay stations. FAKM, FAVW, FABL, FABM. New VHF relay station “FABO” FREQ 120.3MHz. OPS as HOD.
TWR West	Tower West	118.1MHz	DLY 0400-1900	See Note (2) Outside TWR hours of SER, SER provided by SMC on FREQ 121.9MHz
TWR East	Tower East	118.6MHz	MON-FRI 0500-1700, SAT 0700-1600, SUN 0700-1700	After hours SER will be provided by TWR W.
SMC	OR Tambo Ground	121.9MHz	H24	Arriving ACFT to pass registration and prior arranged parking bay from Apron Office on first contact.
Clearance delivery	Clearance Delivery	121.7MHz 121.7MHz	MON-FRI 0400-1830. SAT/SUN 0500-1830.	Outside CLR hours of duty, SER provided by Ground CTL on FREQ 121.9MHz

Service designation	*Call sign*	*Frequencies*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
Apron	OR Tambo Apron	122.65MHz	H24	See Note (3)
ATIS	NIL INFO AVBL	126.20MHz	H24	Dedicated ATIS
JHB Oceanic information, South Atlantic Ocean (SAT)		3452kHz 5565kHz 6535kHz 8861kHz 11291kHz 13315khz 17955kHz	H24	
JHB Oceanic Information, Indian Ocean (INO)		3476kHz 5634kHz 8879kHz 13306kHz 17961kHz	H24	

NOTES:
(1) ATS services sectored into North and South Sector BTN 1500FT AGL to Fl105. The line dividing the sectors is as follows: 254457S 0245914E to 260926S 0281352S to 262802S 0304749E.
(2) ATC training daily on all sectors. FIS S FREQ 119.5MHz HR of SER. DLY BTN 0600-1400. Outside of these HR of SER FIS N FREQ 127.4MHz will be responsible for SER provision BTN 0430-0600 and 1400-1600. Outside of these HR of SER Johannesburg ACC N FREQ 126.7MHz will be responsible for SER provision. 1500FT AGL/FL105.
(3) Non ATC Service. Arrival frequency only. Check FAOR AD 2.9 paragraph 5 for information to be provided on arrival.
(4) Non ATC service. Departure frequency only. Check FAOR AD 2.9 for information to be provided on departure.
(5) Area North will provide traffic information services in the area designated as the Lowveld airspace sector BTN FL110 and FL460 outside of Lowveld hours of service.
(6) Information North will provide TFC information services in the area designated as the Lowveld Airspace sector BTN 1500FT AGL and FL105 outside of Lowveld hours of SER.
(7) For domestic flights WI RSA: The flight level REQ to Clearance Delivery, Ground CTL or TWR will not necessarily be the final flight level allocated by ACC for the cruise. The REQ flight level will be accommodated as far as possible, subject to TFC. When it is anticipated by ACC that flight level for the cruise may be FL260 or below. The ACFT will be notified prior to DEP.
(8) Johannesburg Central ACC & FIS on FREQ 120.3MHz remoted FM FAOR. TEL +27 11 9286452.
(9) Johannesburg Area Central will issue inbound CLR for all TFC FL110 and above inbound to Johannesburg TMA. Should TFC patterns dictate, Johannesburg area South controller can reclear TFC as required. When required Johannesburg Central can REQ TFC inbound to FAOR to increase/decrease speed (MACH number if above Flay and AS below FL270) for purposes of sequencing. FL110/FL460.
(10) Pilots are reminded not to REQ RWY 03L for landing on FREQ, as it is predominantly used as a departure RWY.
(11) In the possible event of the Johannesburg VHF system becoming U/S, ACFT operating within the Johannesburg FIR are reminded to:

a. CTC Johannesburg ACC North on 134.0 MHz for ACFT operating within the FAJA ACC North/South airspace.
b. CTC Johannesburg APP on 134.4 MHz for ACFT operating within the FAJA APP airspace.
c. CTC FAOR TWR on 120.85 MHz for ACFT operating within FAOR CTR.
d. For ACFT operating within the FAJA ACC EAST airspace, ACFT shall remain on 129.1 MHz. If 129.1 MHz is also U/S ACFT shall CTC Durban APP on 125.75 MHz.
e. For ACFT operating within FAJA ACC central airspace, ACFT shall remain on 120.3 MHz. If 120.3 MHz is also U/S ACFT shall CTC Bloemfontein APP on 124.3 MHz.
(12) All INTL OPR FLY into and out of South Africa and particularly those departing FM O R Tambo INTL airport (FAOR) are to appreciate and accept that the cruising FL issued by FAOR CLR delivery are issued as a guide only and may be SUBJ to change by FAJA ACC. The final CRZ LVL will be confirmed by FAJA ACC as and when changes are REQ.

AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VAR)	*ID*	*Frequency*	*Hours of operation*	*Site of transmitting antenna coordinates*	*DME transmitting antenna Altitude*	*Remarks*
1	2	3	4	5	6	7
DVOR	JSV	115.2 MHz	H24	260925.63S 0281351.70E	5579	Scalloping may be experienced on radial 090. Power output 50W
UHF DME	JSV	1186 MHz transmits and receives	H24	260925.63S 0281351.70E	5579	Channel 99X co-axially co-located with DVOR
ILS LOC (RWY 03L)	JSI	110.3 MHz	H24	260616.8S 0281450.2E	5499	NIL INFO AVBL
Front course sector angle 2,5° coverage outside +/- 35° sector NIL.						
ILS GP (RWY 03L) CAT II	-	335 MHz	H24	260834.2S 0281403.0E	5549	Angle 3°. HGT of ILS ref datum-68FT. ALT of GP over OM 6871FT MM 5797FT
ILS LOC (RWY 03R)	JNI	109.1 MHz	H24	260757.6S 0281528.9E	5495	
Front course sector angle 1° 38'. Coverage outside +/- 35° sector - NIL.						
ILS GP (RWY 03R) CAT II	-	331.4 MHz	H24	260945.9S 0281500.0E	5514	Angle 3°. HGT of ILS ref datum 50FT. ALT of GP over OM 6680FT MM 5731 FT.
ILS LOC (RWY 21L)	JAI	109.9 MHz	H24	261004.5S 0281449.7E	5518	
Front course sector angle 1°36'. Coverage outside +/- 35° sector NIL.						
ILS GP (RWY 21L) CAT II.	-	333.8 MHz	H24	260815.9S 0281527.8E	5499	Angle 3°. HGT of ILS ref datum 50FT. ALT of GP over OM 6696FT MM 5699FT.
ILS/DME	JBI	110.9 MHz	H24	260653.43S 0281443.29E	5557	NIL INFO AVBL
NOTE: All aircraft to expect clearance for ILS Z unless otherwise directed by ATC.						
ILS GP (RWY 21R) CAT II.	NIL INFO AVBL	330.8 MHz	H24	260653.43S 0281443.29E	NIL INFO AVBL	NIL INFO AVBL
Top of Glide path mast. (15.6M above concrete foundation).						
ILS LOC (RWY 21R)	JBI	110.9 MHz	H24	260903.63S 0281358.51E	NIL INFO AVBL	NIL INFO AVBL
Survey nail with washer in concrete. (2.5 M above concrete foundation).						

AD 2.20 LOCAL AERODROME REGULATIONS

1. Pilots of VFR departures from OR Tambo International Airport must ensure that they do not commence their turn outs over the apron areas.
2. Aircraft taxiing on the apron in low visibility procedures are not to exceed 10knots, until they have left the apron area and are on a demarcated taxiway.

Procedures for VFR flights within FAOR CTR Helicopter Operations

1. TWR W is responsible for all helicopter TFC in the western sector of the CTR as well as LDG and departing TFC on RWY 03L/21R and TFC XNG RWY 03L/21R.
2. With RWY 03 in use all helicopter TFC have to CTC TWR E on 118.6 MHz before entering the FAOR CTR FM the E BTN points 260348S 0282246E and 260629S 0281500E and 261313S 0281254E and 261419S 0281041E.
3. All helicopter TFC have to CTC TWR W on 118.1 MHz before entering the FAOR CTR FM the W BTN points 261419S 0281041E and 261313S 0281254E and 260629S 0281500E and 260348S 0282246E.
Note: After hours of service, TWR W assumes responsibility for the eastern sector of the CTR as well as RWY 03R/21L. SMC assumes responsibility for taxiways E of RWY 03L/21R.
4. With RWY 21 in use all helicopter TFC have to CTC TWR E on 118.6 MHz before entering the CTR from the E BTN points 261433S 0282038E and 260952S 0281409E and 260434S 0281551E and 260241S 0280645E.
5. All helicopter TFC have to CTC TWR W on FREQ 118.1 MHz before entering the CTR FM the W BTN points 260241S 0280845E and 260434S 0281551E and 260952S 0281409E and 261433S 0282038E.
6. Helicopters pilots to verify the RWY in use on ATIS FREQ 126.2 MHz prior to entering CTR.
7. TWY's with no centreline lights as published in AD 2.15 for CAT II LVP,OPS below RVR 350M follow me vehicle will be provided O/R for arriving ACFT.

AD 2.21 NOISE ABATEMENT PROCEDURES

1. Pilots are to be considerate towards the inhabitants of areas adjacent to AD by minimizing ACFT noise.
2. ACFT noise and flight track adherence is monitored at AD.
3. Use noise abatement procedure as per AIP ENR 1.5.
4. No RWY intersection take-off BTN 2000 to 0400.
5. No ACFT engine run ups shall be allowed BTN 2000 to 0400 without prior permission FM the AP manager or in an emergency.

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

1. Bird activity on AP
2. Dog will be present on airfield DRG daylight HR. In support of bird and wildlife CTL. Handler will be present with the dog at all times.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Ground movement	-AD-02
Aircraft Parking/Docking Chart	-AD-03
Aerodrome Parking and Docking Chart	-AD-04
Aircraft Parking/Docking Chart	-AD-05
Aircraft Parking/Docking Chart	-AD-06
Ground Movement Chart	-AD-07
Hot spot chart	-AD-08
ILS Z RWY 03L	-ILS-01
ILS Y RWY 03L	-ILS-02
ILS Z RWY 03R	-ILS-03
Data tabulation	-ILS-03A
ILS X RWY 03R	-ILS-05
ILS W RWY 03R	-ILS-06
ILS RWY 21L	-ILS-07
Data tabulation	-ILS-07A
ILS RWY 21R	-ILS-10
Data tabulation	-ILS-10A
VOR Z RWY 21R	-VOR-01
VOR Y RWY 21R	-VOR-02
AVILO 1A 03R STAR	-ARR-07
AVAGO 1C 03R STAR	-ARR-08
Data tabulation	-ARR-08A
NIBEX 1B RNAV RWY 03R STAR	-ARR-09
Data tabulation	-ARR-09A
AVILO 1B RNAV RWY 03R STAR	-ARR-12
Data tabulation	-ARR-12A
AVAGO 1D STAR 21L	-ARR-18
Data tabulation	-ARR-18A
NIBEX 1D STAR 21L	-ARR-19
Data tabulation	-ARR-19A
OKPIT 1C STAR 03R	-ARR-21
Data tabulation	-ARR-21A
UNPOM 1B STAR 21L	-ARR-22
Data tabulation	-ARR-22A
UNPOM 1A STAR 03R	-ARR-23
Data tabulation	-ARR-23A
OKPIT 1D STAR 21L	-ARR-25
Data tabulation	-ARR-25A
EGMEN 2A SID 03L	-DEP-01
APDAK 3A RWY 03L SID	-DEP-02
RAGUL 3A RWY 03L/R SID	-DEP-04
NESAN 1A SID 03L/R	-DEP-06
GRASMERE 5B RWY 03L/R SID	-DEP-07
EXOBI 1A SID 03L/R	-DEP-08
EGMEN 1C SID 03L	-DEP-10
Data tabulation	-DEP-10A
APDAK 1 B RNAV 03L SID	-DEP-11
Data tabulation	-DEP-11A
OVALA 1B RWY 21L/R SID	-DEP-16
EGMEN 1D SID 21R	-DEP-21
Data tabulation	-DEP-21A
APDAK 1 D RNAV RWY 21R SID	-DEP-22
Data tabulation	-DEP-22A
GEROX 1C RNAV RWY 21R SID	-DEP-23
Data tabulation	-DEP-23A

RAGUL 1D RWY 21R	-DEP-24
Data tabulation	-DEP-24A
ETLIG 1A RWY 21R SID	-DEP-27
Data Tabulation	-DEP-27A
EXOBI 1C RWY 03L SID	-DEP-31
Data Tabulation	-DEP-31A
Radar Minimum Altitude Chart	-RAD-01
RNAV RWY 03R	-RNAV-01
Data tabulation	-RNAV-01A
RNAV RWY 21L	-RNAV-02
Data tabulation	-RNAV-02A
The following charts are AVBL on CAA website: www.caa.co.za	The following charts are AVBL on CAA website: www.caa.co.za
AD OBST Type A RWY 03L 21R	-OBST Type A-01
AD OBST Type A RWY 03R 21L	-OBST Type A-02
Precision APCH Terrain Chart RWY 03L	-PATC-01
Precision APCH Terrain Chart RWY 21R	-PATC-02
Precision APCH Terrain Chart RWY 03R	-PATC-03
Precision APCH Terrain Chart RWY 21L	-PATC-04

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FAPA

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPA - PORT ALFRED

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 333337.38S 0265240.68E
2	*Direction and distance from city*	3 NM N
3	*Elevation/Reference temperature*	ELEV 315 FT
4	*Geoid undulation at AD ELEV PSN*	94.5 FT
5	*MAG VAR / Annual change*	26° W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: 43 Air School, Private Bag X43, Port Alfred, 6170 TEL: (+27) 46 604 3600 43 Air School ATSU ATC TEL: (+27) 46 604 3612 / 3629 E-mail: 43tower@43airschool.com ATSU Manager: Marnu Pelser Cell: (+27) 72 745 5947 43 Air School AMO AMO TEL: (+27) 46 604 3649 AMO Manager: Bertus Wentzel TEL: (+27) 46 604 3607 43 Air School Operations Department TEL: (+27) 604 3610 E-mail: 43airops2@43airschool.com 43 Air School Marketing TEL: (+27) 46 604 3600 Website: https://www.43airschool.com E-mail: fly@43airschool.com SA Mooney Sales & Services CC (Private Hangars) TEL: (+27) 46 624 5332 E-mail: PHanly@samooney.co.za / BSamuel@samooney.co.za Security: Multi Security TEL: (+27) 46 624 2508 / (+27) 46 604 3663 (Main Entrance)
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ, HN PPR
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL

4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	AFIS: APR-AUG: MON-SUN: 0500-1500 SEP-MAR: MON-SUN: 0400-1600
8	*Fuelling*	Supplier: PUMA / 43 Air School APR-AUG: MON-SUN: 0400-1600 SEP-MAR: MON-SUN: 0300-1700 TEL: (+27) 46 604 3610 Fuel Bay Manager: Robbie Glad E-mail:fuelbay@43airschool.com
9	*Handling*	NIL INFO AVBL
10	*Security*	H24 Multi Security TEL: (+27) 46 604 3663 (Main Entrance)
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS 100LL – PUMA OIL: SHELL W100 / 100 / 15W50 / W100 PLUS / SPORT PLUS 4 / PHILLIPS 20W50 NIL JET A1 NIL MOGAS
3	*Fuelling facilities and capacity*	Main Tank (PUMA – AVGAS 100LL) – 65 265 LITRES 2 X FUEL BOWSERS – 1000 LITRES EACH
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	43 Air School AMO AMO TEL: (+27) 46 604 3649 AMO Manager: Bertus Wentzel TEL: (+27) 46 604 3607 SA Mooney Sales & Services CC (Private Hangars) TEL: (+27) 46 624 5332 E-mail: PHanly@samooney.co.za / BSamuel@samooney.co.za
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Royal St Andrews Hotel TEL: (+27) 46 604 5400 E-mail: reservations2@rsah.co.za My Pond Hotel TEL: (+27) 46 624 4626 E-mail: reservations@mypondhotel.com Several hotels are available in town ranging from one to five star. Also, a variety of guest houses.
2	Restaurants	Bistro (On the airport) TEL: (+27) 46 604 3652 Guido's Port Alfred TEL: (+27) 46 624 5264 The Highlander TEL: (+27) 46 604 5400 Various restaurants are available in town including Wimpy, Spur, KFC etc.
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	No ambulance on AD Basic first aid facilities on AD H24 Guardmed (private ambulance) TEL: (+27) 46 724 6849 H24 Hospital TEL: (+27) 46 604 4000
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	Sunshine Coast Tourism TEL: (+27) 46 624 1235 Website: https://portalfred.co.za
7	*Remarks*	NIL

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*	H24 Ndlambe Fire Department (3.8KM from the airport) TEL: (+27) 46 624 1111

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL

3	*Remarks*	NIL

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron designation, surface and strength*	NIL INFO AVBL
2	*Taxiway designation, width, surface and strength*	NIL INFO AVBL
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VHF omnidirectional radio range (VOR) checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Parking procedures: Aircrafts not to park with 43 Air School aircraft. Aircrafts will be guided by AFIS staff for parking.

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 INFO AVBL
2	*RWY and TWY markings and LGT*	RWY: Runway designation numbers and threshold markings
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Ndlambe Water Tank	333354S 0265344E	450FT / 150 FT	NIL INFO AVBL	Cement water tank 1.7KM SE
NIL INFO AVBL	Electricity trans-former	333300S 0265316E	330FT / 15FT	NIL INFO AVBL	100M NORTH THR RWY 25
NIL INFO AVBL	Maintenance hangar	333336S 0265245E	330FT / 15FT	NIL INFO AVBL	50M SOUTH THR RWY 07
(1) Power line on APCH RWY 28R / 28C / 28L. (2) Frequent mechanical turbulence associated with maintenance hangers situated east of THR RWY 07.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	Chief Dawid Stuurman SAWS (126KM from Port Alfred)
2	*Hours of service* *MET Office outside hours*	Forecasting: 0200-1900 TEL: (+27) 41 581 0403 / (+27) 66 056 6254 OR Tambo INTL SAWS TEL: (+27) 11 390 9329 / 30
3	*Office responsible for TAF preparation* *Periods of validity*	NIL INFO AVBL
4	*Trend forecast* *Interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provided*	NIL INFO AVBL
6	*Flight documentation /* *Language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, etc.)*	Flight documentation and other aviation related information AVBL on Website: https://aviation.weathersa.co.za/

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
10L	075º	1647.03 x 35	Grass	333319.64S 0265214.73E	309.55 FT	-0.35%
28R	255º	1647.03 x 35	Grass	333305.81S 0265316.40E	303.76 FT	+0.35%

10R	075º	1236.77 x 29	Grass	333323.08S 0265229.81E	297.86 FT	-0.29%
28L	255º	1236.77 x 29	Grass	333312.61S 0265316.09E	294.20 FT	+0.25%
18	157º	717.81 x 35	Grass	333310.61S 0265250.71E	312.23 FT	+5.57%
36	337º	717.81 x 35	Grass	333332.12S 0265301.38E	272.23 FT	-5.57%
07	046º	1073.70 x 35	Grass	333331.07S 0265248.69E	279.59 FT	+1.92%
25	226º	1073.70 x 35	Grass	333306.74S 0265318.49E	300.19 FT	-1.92%
10C	075º	1312 x 30	Grass	333320.22S 0265228.55E	314.6 FT	-0.011%
28C	255º	1312 x 30	Grass	333309.72S 0265317.84E	314.1FT	+0.011%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	NIL	NIL INFO AVBL	NIL	NIL	NIL	See below
NIL	NIL	NIL INFO AVBL	NIL	NIL	NIL	See below

Remarks
CIRCUIT: Reciprocating ENG ACFT 1300FT ALT, Turbine ENG ACFT 1800FT ALT, Helicopter 1100FT ALT.
Parallel Runway 10/28 Operations:
(1.) RWY 10L and RWY 10R can operate simultaneously.
(2.) RWY 28L and RWY 28R can operate simultaneously.
(3.) When RWY 10C is active, both RWY 10L and RWY 10R will be inactive.
(4.) When RWY 28C is active, both RWY 28L and RWY 28R will be inactive.

AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
10L/28R	1647.03	1647.03	1647.03	1647.03	NIL
28L/10R	1236.77	1236.77	1236.77	1236.77	NIL
18/36	717.81	717.81	717.81	717.81	NIL
07/25	1073.70	1073.70	1073.70	1073.70	NIL
10C/28C	1312	1312	1312	1312	NIL

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 LEN, Spacing, colour *INTST*	RWY Edge LGT, LEN, Spacing, Colour, *INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
10L/28R	NIL	Green, No WBAR	NIL	NIL	NIL	1000M, 100M, White, No WBAR	Red, No WBAR	NIL	See comments below
28L/10R	NIL	Green, No WBAR	NIL	NIL	NIL	1000M, 100M, White, No WBAR	Red, No WBAR	NIL	See comments below
10C/28C	NIL	Green, No WBAR	NIL	NIL	NIL	1000M, 100M, White, No WBAR	Red, No WBAR	NIL	See below

Remarks
(1) RL (Runway edge lights), REIL (Runway end lights) only AVBL with PN.
(2) Portable solar powered RL & REIL not permanently deployed on RWY - require 30 minutes to deploy.
(3) The RL, REIL are intended for the private use of the Airport Operator only and are not available for general use.

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL

4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates touchdown and lift-off (TLOF) or THR of final approach and take-off (FATO) Geoid undulation*	2 X Helipads AVBL (6M Diameter each) Coordinates: 333336S 0265301E / 333336S 0265302E.
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ Circle radius 5 NM centred on 333500S 0265300E
2	*Vertical limits*	GND/4500 FT
3	*Airspace classification*	Class G
4	*ATS unit call-sign Language*	English
5	*Transition altitude*	NIL INFO AVBL
6	*Hours of applicability*	As per AD 2.3
7	*Remarks*	AFIS provided by 43 Air School.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
AFIS	Port Alfred Radio	122.0 MHz transmits and receives	APR-AUG: MON-SUN: 0500-1500, SEP-MAR: MON-SUN: 0400-1500	PPR HR of duty can be extended for NGT OPS for AD OPR only. See note at FAPA AD 2.14 Runway lighting

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
Ground Movement Control	Port Alfred Ground	118.40 MHz transmits and receives	APR-AUG: MON-SUN: 0500-1500, SEP-MAR: MON-SUN: 0400-1500	PPR HR of duty can be extended for NGT OPS for AD OPR only. See note at FAPA AD 2.14 Runway lighting.
GFA	Port Alfred General Flying Area	124.4 MHz transmits and receives	24HR	GFA-FAD192 GND-FL085

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

Mainly a flight training school area. Extensive FLT TRG taking place.
BFR entering FAPA GEN FLY AREA, all ACFT to BCST intentions on 124.4 MHz and CTC Port Alfred radio on 122.0 MHz 10MIN BFR entering the ATZ.
All ACFT unfamiliar with Port Alfred Airport are advised to contact FAPA ATSU (+27) 46 604 3612 / 3629) for departure and arrival information before flight.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

ATZ Inbound Routing:
TFC routing inbound FM the West to report seawards abeam Glendower Beacon at ALT 1800FT.
TFC routing inbound FM the East to report overhead Riet Point at 1800FT ALT.
TFC routing inbound FM the North to report overhead the Bathurst informal settlement at 2300FT ALT.
ATZ Outbound Routing:
RWY 28 active:
(1) TFC departing and heading West should extend the upwind until passing abeam Glendower Beacon at 1300FT ALT.
(2) TFC departing and heading East should extend right hand downwind RWY 28 and route abeam Riet Point, while staying North of the final approach path for RWY 28.
(3) TFC departing and heading North should route 2NM East or West abeam the Bathurst informal settlement at 1300FT ALT.
RWY 10 in use:
(1) TFC departing and heading East should extend the upwind until passing abeam Riet Point at 1300FT ALT.
(2) TFC departing and heading West should extend left hand downwind RWY 10 and route abeam Glendower Beacon, while staying North of the final approach path for RWY 10 at 1300FT ALT.
(3) TFC departing and heading North should route 2NM East or West abeam the Bathurst informal settlement at 1300FT ALT.
Note:
(1) Circuits on RWY 10/28 and 07/25 to be flown to the North.
(2) Circuits on RWY 18/36 to be flown West.
(3) RCF PROC: Continue broadcasting intentions blind on the designated FREQ and FLW the unmanned airfield joining and LDG PROC.
Significant Points:
Glendower Beacon - 333711S 0264918E
Riet Point - 333338S 0270049E
Bathurst Informal Settlement - 333014S 0264926E

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FAPE

FAPE AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPE - CHIEF DAWID STUURMAN INTERNATIONAL

FAPE AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	335924.05S 0253637.00E ± 800M South West of ATC tower
2	*Direction and distance from city*	5NM S
3	*Elevation/Reference temperature*	229FT / 22.4° C
4	*Geoid undulation at AD ELEV PSN*	91.5FT
5	*MAG VAR /* *Annual change*	28°W (2018) 0°11' W
6	*AD Operator, address, telephone, telefax, email, AFS Address and, if available, website address*	Airports Company South Africa Ltd P.O Box 5787 Walmer, Gqeberha, 6065 Switchboard: +27 41 507 7348 FAX: +27 41 507 7340 E-mail: fape@airports.co.za Website: www.airports.co.za Administration, office hours Airport Information, Office hours 27 41 507 7319 Airport manager: Claudia Daniels TEL: +27 41 507 7378 CELL: +27 62 414 6379 E-mail: claudia.daniels@airports.co.za ATNS Co Ltd: Box 5360, Walmer, 6065 ATC TEL: +27 41 501 5900 Cell: +27 82 553 3776 Fax: +27 41 501 5959 MATS TEL: +27 41 501 5920 Cell: +27 82 553 3776 E-mail: vellym@atns.co.za Watch manager ATS TEL: +27 41 501 5932 Cell: +27 81 542 5569 E-mail: delycet@atns.co.za MTS TEL: +27 41 501 5906 FAX: +27 41 501 5957 ATS Filter TEL: +27 41 501 5948 AFS: FAPEYFYX E-mail: fapebrief@atns.co.za ATS TWR AFS: FAPEZTZX MET admin TEL: +27 41 581 1476/1795 Forecaster TEL: +27 41 581 0403 Cell: +27 66 056 6254 E-mail:info@weathersa.co.za / fapefc@weathersa.co.za

		Customs and excise TEL: +27 41 503 0100 / 0228 FAX: +27 41 503 0690 Cell: +27 82 697 6623, +27 79 112 4103 Mr. Msinga +27 79 884 7464 Immigration: TEL: +27 41 404 8301 FAX: +27 41 487 2191/1078 or +27 86 562 1859 Cell: +27 82 809 5237/8, +27 66 306 8777 and +27 66 306 8789 Border police: TEL: +27 41 507 7423, FAX: +27 41 507 7418 Cell: +27 82 828 4932 E-mail: gouwscharl@saps.org.za RFFS, all hours (emergency only) TEL: +27 41 507 7314/5 Department of health: TEL: +27 41 391 8100 FAX: +27 41 373 4516 Cell: +27 72 293 4923 / +27 83 378 2198 / +27 83 378 2014 Department of agriculture: TEL: +27 41 484 2725 FAX: +27 41 484 2785 Cell: +27 82 392 4801 / +27 83 542 4267
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	No microlight operations permitted.

FAPE AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-THU: 0600-1430 FRI: BTN 0600-1400 SAT BTN: 0300-1730 SUN: BTN 0300-1930 and Public holidays: same as weekdays Aerodrome Rescue and Fire Fighting Services: H24 Airport Operations and Infrastructure Asset Management: MON-FRI: 0300-1930 SAT: BTN 0300-1730 SUN: BTN 0300-1930 public holidays: same as weekdays Apron Office: H24 Airport INFO SER: MON-FRI: 0300-1930 SAT: 0300-1730, SUN: 0300-1930 and Public HOL: Same as weekends
2	*Customs and immigration*	H24 on Call-out REF. FAPE AD 2.20 Office HR: MON-FRI: 0530-1415 Border police: H24 on Call-out REF. FAPE AD 2.20 Office HR: MON-FRI: 0530-1400
3	*Health and sanitation*	H24
4	*AIS briefing office*	AIS Filter: MON-SUN: 0400-1800

5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	MON-SUN: H24 except closed for 3HR from SAT: 1900-2200
7	*ATS*	H24
8	*Fuelling*	Shell aviation service: MON: 0300-2200 TUE-FRI: H24 to SAT 1800 SUN: 0300-1900 Public HOL: Same as weekdays Depot TEL: +27 41 581 2284 AFT HR +27 82 902 2270 Eastcoast Airways MON-FRI: 0600-1500, SAT: 0600-1200, SUN: 0600-0900 Public HOL: 0900-1200 TEL: +27 41 581 4194. AFT HR: +27 73 891 5335 After hour call out fee R350.00 plus value added Tax (VAT) will be applicable. Payment VISA, Master card, Diners or Cash. No cheques will be accepted.
9	*Handling*	Nascolossal MON-FRI: 0300-2000 SAT-SUN: 0430-1800 TEL: +27 41 507 7412 AFT HR: +27 82 836 7802, +27 82 898 2847 Menzies Aviation SA MON-FRI: 0300-1830 SAT: 0300-1100 SUN: 0300-1930 Swissport MON-FRI: H24 SAT: 0400-1830 SUN: 0300-2000 TEL: +27 41 507 7284; AFT HR: +27 79 511 8293
10	*Security*	Passenger screening: MON-SUN: 0300-1930 Public HOL: same as weekdays Perimeter: H24
11	*De-icing*	NIL

12	*Remarks*	• Pilot Training: No training BTN 2000 and 0400. • AIRAC procedures to be followed • Ad-Hoc extension including delays to scheduled flights, AD operator's hours for terminal services can be requested for consideration by the Airport Authority at an 'After Hours' rate. • Requests by operators involving an Ad-hoc or additional (not a delayed flights may follow this procedure). The applicant / ACFT operator must route their relevant request to the Airport Authority for consideration. The request must reach the Airport Authority at least 7 working days in advance of the intended effective date. ATS - Route queries. • Handling of scheduled flights after hours of operation:- The provision of an ATC and associated airport services after the published hours of operation, of the aforementioned services, will be left to the discretion of the relevant service providers when the aircraft is delayed beyond the control of the pilot in command or the operator. However this will not negate the pilot in command or the operator from complying with any requirements as laid down in the Air Navigation Regulations. For any delayed flight, where the delay exceeds 30 minutes into non-operational hours, special arrangements need to be made with the Airport Authority, who will charge a standard after hours rate. AP terminal SER OPR FM 0300 TIL 1900. Commercial PAX FLT to and FM FAPE after 1900 to CTC AP management 7 days prior to OPS, excluding diversions. All queries may be directed to Claudia Daniels +27 624146379, Andrae Pillay +27 740218878 and Matthews Stemele +27 629261624.

FAPE AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	All modern facilities handling weights of up to 30 000KG; Nascolossal TEL +27 41 507 7412 after HR +27 82 836 7802 / +27 82 898 2847 Menzies Aviation TEL: +27 83 671 8964, +27 83 280 2549 Swissport SUN 0900-2200 TEL: +27 41 507 7284 / after hours: +27 79 511 8293
2	*Fuel and Oil types*	JET A1 - Shell AVGAS and JET A1: Eastcoast Airways.
3	*Fuelling facilities and capacity*	Shell Fuel hydrant line (all bays) 4 x 70 000L above ground storage tanks 2 x 18 000L bowser 1 x hydrant dispenser Eastcoast Airways 23 000L underground storage tank and 29 000L container - Avgas 2 000L bowser - Jet A1 2 000L bowser - Avgas 3 000L bowser - Avgas
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	Limited availability, by prior arrangement only, up to King Air 200 size aircraft. Contact Eastcoast Airways.

6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

FAPE AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Roadlodge at AD: +27 41 506 7000 A number of hotels in city ranging from one to five star. Also a variety of guest houses. Information AVBL at Information desk.
2	*Restaurants*	1. Wimpy in departures hall (1st Floor) 2. Mile high pub in departures hall (1st Floor) including a smoking area. 3. Primi in arrivals hall - Halaal 4. Mugg & Bean - in sterile area licenced to sell liquor HOD: same as AD operator hours.
3	*Transportation*	Transportation available: • Car rentals and metered taxis • Transfer buses, coaches and shuttle services to be arranged through Blunden tours and travel • Office HR +27 41 581 0411 • AFT +27 41 451 4803
4	*Medical facilities*	No ambulance on AD. Basic first aid facilities on AD (Basic first aid level 3). Airport has one AED machine at security check point. Basic medical facility in international arrivals and one in fire station. Navomix Clinic at arrivals Hall HOD: TUE, WED, FRI: 0600-1430 Nearest hospitals: St Georges Life (2.61KM); Private Gqeberha Provincial hospital (3.42KM); Netcare Greenacres hospital (3.21KM); Private Livingston Provincial hospital (8.01KM); Life Mercantile hospital (6.37KM). Metro ambulance service available within 15KM of AD
5	*Bank and Post Office*	ABSA, FNB, Standard Bank, Nedbank ATM's AVBL at AD. Post office in Walmer, 8th avenue, stand alone post box at AD. Forex facility in arrivals
6	*Tourist office*	Nelson Mandela Bay tourism office AVBL at arrivals: +27 41 581 0456/7. PE tourism.
7	*Remarks*	NIL

FAPE AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 7, H24 Four shifts (7 MNM, 6 AD Rescue and Fire Fighters plus 1 Officer per shift) covering AD operational hours. 1 watchroom operator will be available per shift.

2	*Rescue equipment*	2 power saws, 2 power breakers, (jaws of life) and breathing apparatus. 2 macro Aerodrome Rescue and Fire Fighting vehicles with total water capacity of not less than 12100L and 2000 Aqueous Film Forming Foam. Complementary agents: 250KG dry chemical powder 200% extinguishing media stock is maintained, as per ICAO requirements for CAT 7 - DOC 9137/AN-898 Part 1.
3	*Capability for removal of disabled aircraft*	Limited AVBL on airport for light aircraft only. Equipment for removal of other aircraft will be sourced as per emergency plan.
4	*Remarks*	AD Rescue and Fire Fighting Services: H24 Terminal after hours services available on request, at a cost. See FAPE AD 2.3(12) 1. Memorandum of understandings - MOU has been concluded with the NMB Disaster Management who will facilitate the emergency response of all external role players during all aircraft emergencies, Hazmat incidents, and will facilitate the supply of equipment and facilities for a decontamination area. This MOU includes but is not limited to: Mountain clubs, NSRI, SAPS and SANDF/SAAF are included in the disaster management agreement. 2. Search and rescue in South Africa, refer to GEN 3.6.

FAPE AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL
2	*Clearance priorities*	NIL
3	*Remarks*	Occasionally fog bound at the end of the winter period

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

1	*Apron surface and strength*	Alpha Surface: Jointed concrete panels Strength: PCR 524/F/B/X/U. General Aviation (Charlie) Surface: Interlocking paving strength: PCR 524/F/B/X/U.
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	A, A1, A2, A4 Surface: ASPH Strength: PCR 524/F/B/X/U; Width: 22.5M Taxiway 'A3' leading off RWY 08/26 Strength: PCR 524/F/B/X/U; Width; 7.5M See limitation for use of TWY A3' under remarks.
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	See AD chart

6	*Remarks*	Parking Procedures: • Marshal parking on bays allocated by apron office (Refer AD 2.9.1) • Park large aircraft nose-in • No engine run-ups allowed on apron without permission from AD CHF. Limitations on the use of taxiway A3 • Only to be used by aircraft with MTW not exceeding 6500KG. • Take-off from A3 intersection will not be permitted by any aircraft. • No hardened shoulders on any TWY's at FAPE. • WT limitations for use of General Aviation pavement surfaces, MAX 6500KG unless prior approval has been granted.

FAPE 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.*	a. ACFT stand ID signs: A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A10(A), A11, A12. Allocation of parking bays: Pilot contacts the Apron control office, call sign "AO" on the FREQ 122.65 MHz, while still on taxiway A or enroute to FAPE. Follow guide lines from TWY centre line into allocated parking bay. Stand ID number painted on surface. Marshalling guidance at aircraft stands. b. On pushback an engineer escorts departing aircraft from apron. Aircraft contacts ATC on FREQ 118.10 MHz for pushback, start and taxi clearance. c. Schedule passenger aircraft are to park nose in on the Apron. d. Pushback on departure, except where power-out procedures have been approved by AD. Marshallers are to be attendants during power outs.
2	*RWY and TWY markings and LGT*	RWY Marking: THR markings, RWY designators, RWY centre line, touchdown zone markings, aiming points & side stripes, and lead on/ lead off lines. TWY marking: Centre line, RWY holding points, ILS holding point and TWY intersection lines and enhanced markings. RWY Lights: THR lights, edge lights, centre line lights and touch down zone lights on RWY 26. TWY Lights: Edge lights Stop bars Lead on/Lead off lights Guard lights Approach, RWY and threshold lights leading to displaced threshold RWY 26 Approach, RWY and threshold lights RWY 08
3	*Stop bars*	Fully operational in all conditions.
4	*Remark*	On push back an engineer escorts departing aircrafts from parking stand, Aircraft to contact ATC on FREQ 118.10 MHz for pushback clearance, start and taxi clearance. Scheduled passenger aircrafts to park nose in, in parking bay stands. Push back on departure, except where power-out procedures have been approved by AD, marshallers to be in attendance during power-outs. All aircraft operating on movement area are requested to follow mandatory and information signs, markings, and lights erected in accordance with ICAO regulations.

FAPE AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast on Botha's Kop	335951S 0252926E	950 / 150FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Four lighting masts	340020S 0253411E	354 / 48FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Five lighting masts	335922S 0253526E	225 / 110FT	White	NIL
NIL INFO AVBL	Radio masts	NIL INFO AVBL	328 / 115FT 203 / 115FT 49 / 115FT	NIL INFO AVBL	3.6 NM WNW 1.0 NM NNW 2.7 NM ESE
NIL INFO AVBL	One lighting mast	335922S 0253526E	225 / 115FT	White	NIL
NIL INFO AVBL	Nine lighting masts	335904S 0253643E	200 / 83FT	Grey	New Apron lights (25M masts)
NIL INFO AVBL	One lighting mast	335900S 0253649E	197 / 54FT	Grey	New Apron lights (16M masts)
(1) Power line on APCH RWY 35. (2) 3 x light masts in parking area.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAPE AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	OR Tambo INTL
2	*Hours of service* *MET Office outside hours*	Observation: H24, SAT 2201-1900 Forecasting: 0200-1900, TEL: (041) 581 0403 O R Tambo INTL, TEL: (011) 3909 329/30
3	*Office responsible for TAF preparation* *Periods of validity*	Chief Dawid Stuurman, H24, 06-06, 12-12, 18-18. OR Tambo, 00-24

4	*Trend forecast* *Interval of issuance*	0200-1900 1/2 hourly by FAPE 1900-0200 hourly by FAOR
5	*Briefing / consultation provided*	Personal and telephonically
6	*Flight documentation / Language(s) used*	Standard ICAO format English
7	*Charts and other information available for briefing or consultation*	Standard meteorological charts.
8	*Supplementary equipment available for providing information*	Satellite / LDN
9	*ATS units provided with information*	YES
10	*Additional information (limitation of service, etc.)*	Flight documentation and other aviation related information AVBL on web page http://aviation.weathersa.co.za. Chief Dawid Stuurman WX radar (335938.44S 0253638.58E) decommissioned. Affected area 150KM radius around FAPE. Enquiries CTC Hugh Van Niekerk +27 71 682 5467. NIL disruption to MET data SER.

FAPE AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*True BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
08	058°T	1980 x 46	ASPH PCR 524/F/B/X/U	335937.89S 0253600.00E	229FT	0.006 D
26	238°T	1980 x 46	ASPH PCR 524/F/B/X/U	335903.93S 0253705.57E	189FT	0.006 U
17	146°T	1677 x 46	ASPH PCR 524/F/B/X/U	335901.81S 0253658.63E	192FT	0.001 D
35	326°T	1677 x 46	ASPH PCR 524/F/B/X/U	335946.78S 0253735.51E	184FT	0.001 U

SWY Dimensions (M)	*CWY Dimen-sions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
60 x 46	60 x150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	60 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	60 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

SWY Dimensions (M)	*CWY Dimen-sions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*

Remarks

(1) Circuit: Turbine powered ACFT-1729 FT ALT; Reciprocating ENG-powered ACFT-1229 FT ALT.
(2) OBST at RWY THR LGT and in GS SFC beyond RWY 08 THR and RWY 26 THR. THR LGT CONC base are 2 CM ABV the RWY SFC and must be regarded as an OBST. Unsafe ditches caused by jet blast beyond the THR must be regarded as OBST.
(3) No hardened shoulders along runways at FAPE.
(4) Distance markers touch down zones and landing mat does not line up.
(a) Only 3 distance markers on RWY 17 due to RWY intersection, the primary RWY 08/26 takes preference. SA CAA approved.
(b) RWY 26 RTZL extends 300M past TDZ paint markings. Remaining LDA FM end of RTZL 1080M.

FAPE AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
08	1980	2040	2040	1980	NIL
26	2160	2220	2160	1980	NIL
17	1677	1737	1677	1677	NIL
35	1677	1677	1677	1677	NIL

FAPE AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
08	PALS CAT II Barette 30M spacing, 900M, high	Green, No	PAPI 3° L/R	60M, White, 3 each side of RCL, run for 900M FM THR	30M, White to 900M FM THR, NXT 600M red/white, last 300M red.	Full, 60M, white, last 600M yellow high	Red, NIL	NIL	NIL

26	PALS CAT II Barette 30 M spacing, 900 M, high	Green, No	PAPI 3° L/R	60 M, white, 3 each side of RCL, run for 900 M FM THR.	30 M, White to 900 M FM THR, NXT 600 M red/white, last 300 M red.	Full, 60 M, white, last 600 M yellow high	Red, NIL	NIL	First TDZ LGT 11.25 M FM RCL
17	NIL	Green, No	PAPI 3° L	NIL	NIL	Full, 60 M, white, last 600 M yellow medium	Red, NIL	NIL	NIL
35	NIL	Green, No	PAPI 3° L	NIL	NIL	Full, 60 M, white, last 600 M yellow medium	Red, NIL	NIL	NIL

*RWY 26 First TDZ LGT 11.25M FM RCL
*RWY 26 and 08 APCH LGT - Crossbars at 150 M and 300 M
*Deviation Approved by SACAA on approach light spacing's on RWY 26 between distances 420 M to 644 M from Threshold.
*Taxiway edge and centre line lighting AVBL.

FAPE AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	AVBL
4	*Secondary power supply and switch-over time*	As per ICAO recommendations
5	*Remarks*	OBST X 10 APN high mast floodlights. New high mast flood lights.

FAPE AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL

7	*Remarks*	a) On APN - not marked marshallers in attendance to ensure safe distances when landing between fixed wing and rotary wing aircrafts. b) At General aviation - not marked - TWR to coordinate helicopter OPS in / out of General Aviation area. c) 2 Heli parkings available in GA, refer to procedure FAPE AD 2.22 flight procedures.

FAPE AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR (a) From a point at 340955.82S 0253153E.49 clockwise along the arc of a circle, radius11 NM, and centered at 335933.01S 0253620.75E to a point at 335713.35S 0252324.83E (b) Thence a straight line to a point at 334857.77S 0254001.15E (c) Thence clockwise along the arc of a circle, radius 11 NM, and centered at 335933.01S 0253620.75E to a point at 340111.93S 0254925.79E (d) Thence a straight line to the starting point at 340955.82S 0253153.49E *Note: Radar faded in the area bounded by, (335906S 0252036E, 340008S 0252754E, 340255S 0252756E, 340221S 0252030E) TFC advised to avoid area due to separation difficulties.*
2	*Vertical limits*	GND - 2000FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call-sign* *Language*	English
5	*Transition altitude*	5500FT
6	*Hours of applicability*	H24
7	*Remarks*	EXC where otherwise authorized, no ACFT is to be operated in this airspace unless two-way RDO CTC is maintained with ATC.

FAPE AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	PEV	126.8 MHz	0400-1800	NIL
APP APP RSR	Port Elizabeth approach	120.4 MHz Transmits and receives	H24	NIL
APP	Port Elizabeth approach	120.4 MHz Transmits and receives	H24	Location MAG 262.08, 8 NM RWY 08
TWR	Port Elizabeth tower	118.1 MHz Transmits and receives	H24	NIL
Clearance delivery	Port Elizabeth clearance	122.10 MHz Transmits and receives	MON-SUN BTN 0400-1800	Outside CLR delivery HOD, SER will be provided by TWR on FREQ 118.1 MHz

FAPE AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
ILS LOC (RWY 26)	PDI	109.5 MHz Transmits	HS	335942.88S 0253550.38E	236 FT	Location MAG 084°MM 0,5 NM THR RWY 26. No OM.
ILS GP (RWY 26) CAT II	NIL INFO AVBL	332.6 MHz Transmits	HS	335912.04S 0253658.78E	192 FT	Angle 3° nominal. RDH 74 FT ALT above 429 FT
ILS LOC (RWY 08)	PEI	111.1 MHz Transmits	HS	335858.40S 0253716.25E	176 FT	OM 3,9 NM THR RWY 08
ILS GP (RWY 08)	NIL INFO AVBL	331.7 MHz	HS	335928.42S 0253609.44E	213FT	CAT II angle 3° nominal. RDH 70FT ALT above OM 1534 FT.
UHF DME	PEV	CH 76x	H24	335933.01S 0253620.75E	NIL INFO AVBL	CH 76x co-axially co-located with the VOR
VOR	PEV	112.9 MHz transmits.	HS	335933.01S 0253620.75E	215 FT	Letdown radial 080° intercepts centreline of RWY 26, and letdown radial 269° intercepts centreline of RWY 08, APRX 1 NM from THR.

FAPE AD 2.20 LOCAL AERODROME REGULATIONS

1. Call-out procedure for across border flight clearance (International Flights)

a. Arriving International Flights

•The pilot in charge of an arriving international flight must ensure that customs and excise, Immigrations, border police and the department of health, department of agriculture as well as the Airport Manager, are informed of the flight, at least one (1) hour before landing, see landing details FAPE AD 2.2.

The following INFO must have been provided to the relevant authorities.
- ACFT Registration;
- Pilot name;
- Point of origin;
- Landing clearance reference number or FOP where required,
- Number of people on board;
- Time of arrival

• After arrival, taxi clearance will be given to the pilot to taxi to an allocated parking bay on the main apron, in front of the terminal building. No international flights are to park at any other location than on the main apron bays 1-5.
• Representatives from the relevant authorities will meet the aircraft, on arrival, at the allocated parking bay.
• Neither the pilot, nor any of the passengers or cargo, may leave the aircraft prior to all the relevant authorities present.
•The pilot to ensure that closed doors and windows of international flights from South America, Africa and Asia remain closed until arrival of department of health.
• Pilots are requested to familiarise themselves with the PROC REF to ABV, Failure to comply with ABV PROC will result in the pilot and PAX having to remain on board the ACFT until the government organisations ARR.
• International galley waste must be handled by a ground handling company. If no arrangements in place no waste to leave the aircraft, waste to remain on the aircraft for return flight.

b. Departing international flights

•All international flights departing from Chief Dawid Stuurman airport will do so from the main apron, and only after such flight has been cleared by all the relevant clearing authorities.

•The pilot in charge of a departing international flight must ensure that his ACFT is cleared, and parked on an allocated bay on the main apron prior to the arrival of any of the clearing authorities.

•The pilot in charge of a departing international flight must ensure that the clearing authorities, as well as the Airport Manager, have been informed of the planned flight at least one and a half (1½) hours prior to the planned time of departure.

•The following information must have been provided to the relevant authorities:-

- ACFT Registration;
- Pilot name;
- Point of destination;
- Number of people on board;
- Cargo shipped
- Time of Departure (ETD)

•Representatives of the relevant authorities will meet the pilot or the charter company in the departure hall of the terminal at least forty-five (45) minutes prior to the ETD, in order to process clearance.

•No international flight is to depart prior to clearance having been given by all the relevant authorities.

FAPE AD 2.21 NOISE ABATEMENT PROCEDURES

1. Incorporated in the Chief Dawid Stuurman Standard Instrument Departures.
2. See FAPE AD 2.3 (12)
3. See ENR 1.5, Noise Abatement Procedures.

FAPE AD 2.22 FLIGHT PROCEDURES

1. Low visibility procedures implemented.
2. Traffic under radar control being vectored for an ILS approach RWY 08 can expect to leave 3000FT on the glide slope due to limited radar coverage to the west of VOR PEV.

HELICOPTER PROCEDURES

Inbound flights

1. All helicopters to avoid overflying any buildings (incl. the terminal, tower), the Shell fuel depot and the General Aviation Area at all times.
2. All helicopters routing into Chief Dawid Stuurman International Airport, whether landing at the General Aviation Area or Main Apron, must route inbound via the grass centre block, north of runway 08/26, in line with the RWY08 Glide path hut.
3. Helicopters wishing to park on the Main Apron must liaise their parking bay with Apron Office on frequency 122.65 MHz, and report the bay to tower timeously for inbound routing.
4. Helicopters wishing to land in the General Aviation Area must route via the grass centre block, north of runway 08/26 at all times to Taxiway A3, where they must enter and touch down to terminate the flight at the holding point and request that the gates be opened by Apron Office on frequency 122.65 MHz. They must then obtain clearance from Tower on frequency 118.1MHz to cross Taxiway A.
5. Once this clearance has been given, they must then air taxi (not above 15 feet above the ground), to taxi through the gates.
6. They must follow the centerline markings on Charlie taxiway inside the GA to the heli parking where they must land in a easterly/westerly direction.
7. After landing the helicopter must be towed to its parking spot to make room for the next helicopter to land.
8. All fixed wing aircraft shall hold at the holding points on Taxiway Charlie whilst helicopters hover taxi to the heli parking.

Outbound flights

1. All helicopters to avoid overflying any buildings (incl. the terminal, tower), the Shell fuel depot and the General aviation area at all times.
2. All helicopters in the General aviation area wishing to start must be towed to and on the helipad, request to do so on frequency 122.1 MHz, and when ready contact Apron Office on frequency 122.65 MHz to open the gate, thereafter contact TWR on frequency 118.1 MHz to lift.
3. Once they have been given lift, helicopters must air taxi (not above 15 feet) via the center line markings on Charlie taxiway to the gate.
4. All fixed wing aircraft shall hold at the holding points on Taxiway C whilst helicopters hover taxi from the heli parking.
5. Once the gate is open, helicopters must air taxi through the gate to Taxiway A3 – keeping a look out for other taxiing aircraft. From there, helicopters must route as per Tower instructions via the grass centre block north of runway 08/26.
6. The emergency EMS helicopter, as well as helicopters involved in Netstar tracking operations will be exempt from departing from the heli parking when they are called out. These pilots are to ensure safety around their aircraft before starting and lifting.
7. Fixed wing procedure in GA. All fixed wing aircrafts shall hold at designated holding points on Charlie taxi way, and GA taxi lanes whilst helicopters air taxi to and from the heli parking.

FAPE AD 2.23 ADDITIONAL INFORMATION

1. VFR TFC routing along the coastline BTN Chief Dawid Stuurman and Progress Airfield / Maitland River Mouth should EXER CTN for TFC operating in Seaview Airfield. The Seaview (Private) Airfield is situated WI the Chief Dawid Stuurman CTR: (340005S 0252111E).
The circuit ALT is 1000FT and the circuit pattern is to the South.
2. Hazard: Bird activity on AD.
3. Warning: Cape Receife Rifle Range 3.5NM SSE of AD.
Area 340100S 0253900E - 340100S 025400E - 340300S 025400E - 340300S 0253900E.
Danger height GND/5000 FT GND. Co-ordination BTN Range & ATC in force DRG exercises.
4. RWY Inspections: No circuit training flights will be permitted DRG the mandatory dawn and dusk RWY inspections: Times: Dawn: 0400-0430
Dusk: JAN-APR BTN 1600-1630, MAY-AUG BTN 1500-1530, SEP-DEC BTN 1600-1630.
5. No Microlight operations permitted at FAPE.

FAPE AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
Aircraft parking/Docking Chart	-AD-02
ILS RWY 08	-ILS-01
Data tabulation 08	-ILS-01A
ILS Z RWY 26	-ILS-02
VOR Z RWY 08	-VOR-01
VOR Z RWY 26	-VOR-02
Radar Terrain Clearance	-RAD-01
RNAV RWY 08	-RNAV-01
Data tabulation 08	-RNAV-01A
RNAV RWY 26	-RNAV-02
Data tabulation 26	-RNAV-02A
The following charts are AVBL on the CAA website: www.caa.co.za	The following charts are AVBL on the CAA website: www.caa.co.za
Precision APCH Terrain Chart RWY 01	-PATC-01
Precision APCH Terrain Chart RWY 02	-PATC-02
AD OBST Type A	-OBST Type A-01

FAPG

FAPG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPG - GARDEN ROUTE AERO

FAPG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	340517.37S 0231943.02E
2	*Direction and distance from city*	3 NM WSW
3	*Elevation/Reference temperature*	465 FT / 21ºC
4	*Geoid undulation at AD ELEV PSN*	99.6FT
5	*MAG VAR /* *Annual change*	27º W (2018) 0º10' W
6	*AD Operator, address, telephone, telefax, email, AFS Address and, if available, website address*	Bitou Municipality PUB AD CHF: Garden Route Aero Airport, Private Bag X1002, Plettenberg Bay, 6600. TEL: +27 44 501 3194 / 3362
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

FAPG AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	+27 44 876 9232
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL
10	*Security*	Gate security and apron CCTV.
11	*De-icing*	NIL
12	*Remarks*	NIL

FAPG AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	NIL

3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

FAPG AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL
2	Restaurants	NIL
3	*Transportation*	On request - local transport companies.
4	*Medical facilities*	NIL
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

FAPG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT II Fire Fighters are available from the Bitou Municipality fire department when response is required.
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

FAPG AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Designation, surface and strength of aprons*	Surface: Asphalt and concrete Strength: 50/F/B/X/U
2	*Designation, width, surface and strength of taxiways*	Width: 20M Surface: Asphalt and concrete; Strength: 50/F/B/X/U
3	*ACL location and elevation*	465FT
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

FAPG 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.*	Apron yellow markings, Stop line 1 340521S 0231933E.
2	*RWY and TWY markings and LGT*	NIL
3	*Stop bars*	NIL
4	*Remark*	NIL

FAPG AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAPG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FAGG +2744 876 9232
2	*Hours of service* *MET Office outside hours*	NIL
3	*Office responsible for TAF preparation* *Periods of validity*	NIL
4	*Trend forecast* *Interval of issuance*	NIL
5	*Briefing / consultation provided*	NIL
6	*Flight documentation /* *Language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, etc.)*	NIL

FAPG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
12	099º	1240 x 20	ASPH LCN 20	340514.41S 0231921.02E	445 FT	+0.45%
30	279º	1240 x 20	ASPH LCN 20	340520.91S 0232008.85E	464 FT	-0.45%
SWY Dimensions (M)	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any)*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	Exercise caution on RWY as it is showing signs of deterioration
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

FAPG AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
12	1240	1240	1240	1240	NIL
30	1240	1240	1240	1240	NIL

FAPG 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*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
12	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
30	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

FAPG AD 2.15 OTHER LIGHTING SYSTEMS, 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 and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

FAPG 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*	Landing on apron and grass permitted.

FAPG 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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

FAPG AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

FAPG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FAPG AD 2.20 LOCAL AERODROME REGULATIONS

Small light aircraft that will be parking at the airport for longer than 3 hours, will be allocated parking on the hard stand opposite the hangers. Operating Crew must communicate with Airport Staff. MTOW 5700kgs.

FAPG AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FAPG AD 2.22 FLIGHT PROCEDURES

Note:
All departure routing west or northbound to contact FAGG APP on FREQ 128.2 MHz before entering the TMA. Departure to the east to remain clear of controlled airspace and to contact FACT FIS on FREQ 127.575 MHz.

All TFC departing from Garden Route Aero (FAPG) and are CLR of the FAPG circuit are to CTC George APP on FREQ 128.2 MHz for joining instructions or to activate their FPL. Outside of George APP HR of SER, ACFT are to BCST intentions on FREQ 128.2 MHz and CTC Cape Town area east on FREQ 124.7 MHz before joining the George TMA.

Pilots to exercise caution due to glider and parachute jumping activity taking place between sunrise and sunset. Pilots are to broadcast on 124.8 MHz.

FAPG AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

FAPG AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
RNAV (GNSS) RWY 12	-RNAV-01
Data tabulation	-RNAV-01A
RNAV (GNSS) RWY 30	-RNAV-02
Data tabulation	-RNAV-02A

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FAPH

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPH - PHALABORWA (KRUGER PARK GATEWAY)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	235609.88S 0310918.34E
2	*Direction and distance from city*	1 NM NNE
3	*Reference elevation/Reference temperature*	1432 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	16°W / 2007
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the Aerodrome: PRIV AD PPR from CHF: Kruger Park Gateway Airport (Pty) Ltd., C/o P.O Box 140, Phalaborwa, 1390 TEL: +27 15 781 7520 FAX: +27 15 781 5364
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	1. PPR to LDG must be obtained at least 72 HR/3 working days in advance before ARR. REQ in writing to Kruger Park Gateway Airport. Indemnity forms for REQ permission for LDG obtainable FM TEL +27 15 781 7520, Cell: +27 74 302 9709 / +27 73 945 7142 or FAX +27 15 781 5364. Details to include: Date of OPR, ACFT type, REG, LCN/PCN,MTOW, name of pilot-in-command, postal address & details of OPR. 2. Penalty for non authorized LDG will have a prescribed fine levied on non-compliant ACFT OPR into & out of AD. The fine shall be paid in full before the non-compliant OPR is given access to ACFT; also note that the fine is over and ABV the LDG fee applicable. 3. A schedule of fines is as follows: 0 KG-1000 KG =R4000.00; 1001 KG-3000 KG = R5000.00; 3001 KG-6000KG =R6000.00; 6001 KG-9000 KG =R 7000.00; 9001 KG-16000 KG =R 8000.00; 16001 KG - 26000 KG =R 10000.00.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ, (HN O/R PN)
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL

5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL INFO AVBL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL INFO AVBL
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT I.
2	*Rescue equipment*	NIL

3	*Capability for removal of disabled aircraft*	It is the responsibility of the ACFT owner to remove the disabled ACFT FM the AD. Palasteel shall supply cranes, low bed trucks and operators needed for the ACFT removal. CTC person: Conraad Joubert, TEL: 015 7816012, FAX: 015 7813060, CELL: 0832266311, E-mail: palasteel@intekom.com, WEB: www.palasteel.co.za.
4	*Remarks*	NIL INFO AVBL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL INFO AVBL

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 INFO AVBL
1	*Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands.*	NIL INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL INFO AVBL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Chimney	NIL INFO AVBL	HGT 500 FT AGL	No light	W of extended centreline of RWY 01 +/- 4 NM from THR
NIL INFO AVBL	Radio mast	NIL INFO AVBL	HGT 70 FT	NIL INFO AVBL	189 m W of RWY centre line abeam control tower

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
01	354º	1373 x 18	ASPH LCN 16	235632.58S 0310924.08E	1396 FT	+0,87%
19	174º	1373 x 18	ASPH LCN 16	235548.20S 0310919.05E	1432 FT	-0,87%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any)*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
183	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
183	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks 12
(1) Circuit Procedures: Due to blasting at the open-cast mine SW of AD circuits are to be flown to the E i.e. right hand for RWY 01 and left hand for RWY 19. ACFT departing RWY 19 proceeding W must maintain RWY heading for minimum of 3 NM before turning right.
Circuit: 2500 FT ALT
(2) Dirt TWY's not AVBL for use. Aircraft to back track on RWY.
(3) RWY 01/19 closed for ACFT with maximum towing of 22 000 kg or above.
(4) AP limited to accepting ACFT with seating capacity 29 or less. ACFT with seating capacity 30 or more will not be accepted.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
01	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
19	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

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*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
01	NIL INFO AVBL	Green	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
19	NIL INFO AVBL	Green	PAPI 3º L	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
1) PAPI RWY 19 INSTL, FLTCK CMPL and OPR. 2) RWY lights available.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL INFO AVBL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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*	1) Pilots to broadcast on 124.8 MHz and to comply with unmanned AD procedures. 2) All aircraft routing to and from FAPH (below 6000FT MSL) must contact LASS FIS on frequency 119.0 MHz, within a 5NM radius of FAPH, aircraft to broadcast intentions on frequency 124.8 MHz. Aircraft from FAPH intending to route above 6000FT MSL must contact LASS FIS on frequency 119.0 MHz on start with flight details to arrange inbound clearance from FAHS Approach. GND/6000FT MSL.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	PHV	115.3 MHz transmits	NIL INFO AVBL	235402.73S 0310907.09E	1528	THR RWY 19

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

a. Troops of baboons may be present on AD. b. CTN due to concentration of birds on AD. c. Pilots to exercise caution during take off and landing between SS and SR due to rabbits on the runway.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01

FAPI

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPI - PIETERSBURG

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	235533.00S 0292903.70E
2	*Direction and distance from city*	1NM SSE
3	*Reference elevation/Reference temperature*	4354 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	NIL INFO AVBL
6	AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address	EXPECTRA 12 A PO BOX938, POLOKWANE 0700 TEL: +27 15 297 3291 CEL: +27 83 450 3300 CTC Person: Mr. Kowie Roux
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	NIL
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	*Fuelling*	H24
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	AVGAS, JET A1
3	*Fuelling facilities and capacity*	At the pump.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	Martin + 27 83 495 8079

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	1 KM away
2	*Restaurants*	On the AD
3	*Transportation*	NIL
4	*Medical facilities*	NIL
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	ASPH LCN 16
2	*Designation, width, surface and strength of taxiways*	ASPH LCN 16
3	*ACL location and elevation*	08 / 4228 and 26 / 4354
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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 08/26 THR and Center line markings
3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL

3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
08	NIL INFO AVBL	2249 X25	ASPH LCN 16	235551.63S 0292829.03E	4228 FT	NIL INFO AVBL
26	NIL INFO AVBL	2249 X25	ASPH LCN 16	235516.00S 0292938.46E	4354 FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL	NIL	NIL	NIL
NIL	NIL	NIL INFO AVBL	NIL	NIL	NIL	NIL

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
08	2249	2249	2249	2249	NIL
26	2249	2249	2249	2249	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INTST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
08	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
26	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	On Apron
2	*TLOF / FATO elevation (m/ft)*	4250 FT
3	*TLOF and FATO area dimensions, surface, strength, marking*	ASPH LCN 16
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

AD 2.22 FLIGHT PROCEDURES

Whenever IFR ARR and/or DEP occur at FAPP, the FAPI circuit will be required to be sterile. This will be achieved by one of the following means as advised by ATC:
(1) FAPI circuit TFC will be required to leave the FAPP CTR by the shortest RTE.
(2) ALT FAPI circuit TFC can reposition and join the FAPP active circuit.
All circuits RWY 08/26 are to be flown remaining OHD or east of R37 national road.
Pilots unable to comply are to inform FAPP ATC.
The following procedures will apply for all arriving, departing and local flights:
1) Circuit procedures
(a) All circuits to be carried out at 5 100 FT ALT.
(b) RWY 26 in use - left hand circuits.
(c) RWY 08 in use - right hand circuits.
(2) RWY ELEV - THR 08 - 4228 FT, Mid RWY - 4284 FT, THR 26 - 4354 FT.
(3) ACFT must adhere to RWY's and TWY's and park in the parking area.
(4) All flights (IFR and VFR) departing FM FAPI are to establish 2-way communications with Polokwane (FAPP) ATC on FREQ 119.75 MHz before departure. If no CTC is AVBL with FAPP ATC on FREQ 119.75 MHz, CTC FAPP on telephone number: +27 15 288 0343 before TKOF.
(5) All TFC operating at FAPI are to maintain 2-way communication with FAPP ATC at all times and adhere to ATC instructions. This includes flights operating in the Pietersburg AD TFC circuit.
(6) Nil circuit training will be accommodated at Pietersburg airfield when Polokwane CTR is declared IMC, and VFR flights may be accommodated by Polokwane ATC on SVFR clearances. Outside Polokwane ATC HR of SER, TFC operating at Pietersburg airfield are to broadcast intentions on Polokwane FREQ 119.75 MHz

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FAPM

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPM - PIETERMARITZBURG

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	293848.44S 0302351.98E Mid-point of aerodrome
2	*Direction and distance from city*	2 NM S PIETERMARITZBURG
3	*Reference elevation/Reference temperature*	2423FT 22º C
4	*Geoid undulation at aerodrome elevation position*	96.9 FT
5	*MAG VAR* *annual change*	26º W (2018) 0º9' W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	PUB AD CHF: MSUNDUZI MUNICIPAL COUNCIL, P.O. Box 321, PIETERMARITZBURG 3200 TEL: +27 33 392 3103 APM: +27 33 392 3102 FAX: +27 86 770 2177 E-mail: Simon.Ndlamlenze@msunduzi.gov.za Website: msunduzi.gov.za ATC Address: ATNS Control Tower 1 Pharazyn Way, Pietermaritzburg Airport, Pietermaritzburg, 3201 TEL: +27 32 436 5081 FAX: +27 33 386 9618 AFS: FAPMZTZX
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational Hours: 0630 - 2000
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL
7	*ATS*	ATC HOD:MON - FRI: 0430 - 1800, SAT: 0600 – 1300, SUN: 0830 - 1800, Public Holidays to be advised by a NOTAM. 24 hour prior notice required for after hours unless otherwise arranged with officer in charge - TWR

8	*Fuelling*	HOD: MON–FRI: 0400-1600. SAT, SUN and Public Holiday: 0600-1500 24 Hours PN required for after hours. Supplier: SHELL / Pietermaritzburg Aero Club TEL: +27 33 386 3952 Helicopters requiring JET-A1 must exercise caution in the vicinity of Ground Support Equipment especially if there are aircraft parked on Bravo Apron. AVGAS: Air taxi pilot's discretion to fuel bay, however it is compulsory for helicopters with skids to carry wheels on board. NOTE: Fuel Payments can only be made by: Cash, Master Card or VISA Card.
9	*Handling*	NIL INFO AVBL
10	*Security*	24 HR
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	SA Airlink Cargo TEL: +27 33 386 9286
2	*Fuel and Oil types*	AVGAS and Jet A1.
3	*Fuelling facilities and capacity*	AVGAS: 27000L, Jet A1: 50000L
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	PACAIR, TEL: +27 33 386 6027/5426 ORIBI FLYING SERVICES, TEL: +27 33 386 1480.
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In Town
2	*Restaurants*	At AD, Airborne cafe, TEL: +27 33 346 1858
3	*Transportation*	Car hire, shuttle and bus services.
4	*Medical facilities*	First aid room at AD terminal.
5	*Bank and Post Office*	Bidvest ATM at AD and others in town.
6	*Tourist office*	Donkizo tours at AD.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT VI MON–SUN: 0400-1900
2	*Rescue equipment*	As per ICAO 9137 - Part 1.
3	*Capability for removal of disabled aircraft*	Class A ACFT with a maximum wingspan of 15M.
4	*Remarks*	Available extinguishing media & capability: 11 356 litres Water for foam production, 1000 litres foam compound on vehicles with a delivery of 6000 litres/ min. 377 KG DCP on vehicle with reserve stock of 775 KG DCP and 2000 litres of 3% foam compound. Personnel: 7 Station Officers, additional crew AVBL FM fire station in town when required (fully trained). 20 to 140 ton cranes AVBL FM crane hire companies in town. Arrangements can be made via disaster management, TEL: (033) 3922371

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Apron designation, surface and strength*	APN A: for jets and bigger ACFT. Concrete, PCR 580/R/A/W/T APN B: for light ACFT. Asphalt, PCR 720/F/A/X/T
2	*Taxiway designation, width, surface and strength*	Asphalt, PCR 720/F/A/X/T
3	*Altimeter checkpoint location and elevation*	NIL
4	*VHF omnidirectional radio range (VOR) checkpoints*	293852S 0302401E
5	*INS checkpoints*	NIL
6	*Remarks*	VDF: 293846S 0302355E

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.*	ACFT stands are marked and Parking bays are numbered. TWY guide lines marked in yellow. NIL parking marshals at AD, ATC may provide assistance on FREQ.
2	*RWY and TWY markings and LGT*	RENL, REDL and TWY edge LGT
3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	NIL INFO AVBL	676 / 115 FT	NIL INFO AVBL	2,6 NM SE
NIL INFO AVBL	Radio mast	NIL INFO AVBL	658 / 180 FT	NIL INFO AVBL	1,3 NM N
NIL INFO AVBL	Radio mast	NIL INFO AVBL	704 / 115 FT	NIL INFO AVBL	5 NM N
NIL INFO AVBL	Radio mast	NIL INFO AVBL	716 / 115 FT	NIL INFO AVBL	3.9 NM NNW
NIL INFO AVBL	Sentech mast	293450S 0301944E	356 FT	NIL INFO AVBL	N THR 16
2 Meter high security fence erected on the undershoot of Runway 32.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FALE
2	*Hours of service* *MET office responsible outside hours*	No MET Station Forecasting 0200-1900 (+27 82 233 8700/9500) O R TAMBO (+27 82 233 9600/8800)
3	*Office responsible for TAF preparation and periods of validity*	FALE 9-11 Hours
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL 3 Hourly
5	*Briefing / consultation provide*	NIL INFO AVBL

6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
16	142ºT/168ºM	1537 x 30	ASPH PCR 720/F/A/X/T	293836.35S 0302337.76E	2351FT	+1.45%
34	322ºT/348ºM	1537 x 30	ASPH PCR 720/F/A/X/T	293915.73S 0302412.94E	2423FT	-1.45%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
130 x 30	60 x 150	1540 x 300	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
0	60 x 150	1540 x 300	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks
(1) All light ACFT to use holding point A unless instructed by ATC.
(2) Part of the RWY ABM the windsock is not visible FM the TWR. Pilots to EXER CTN on landing and take-off.
(3) Pilots must EXER CTN when operating in the Jet A1 fuel facility.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
16	1537	1597	1667	1537	NIL
34	1537	1597	1537	1537	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY designator	*APCH LGT Type and LEN INTST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
16	SALS 230M	Green	PAPI 3.5°L	NIL	NIL	1537M 90M White	Red	NIL	Last 600M Yellow
34	NIL	Green	PAPI 3.0°L	NIL	NIL	1537M 90M White	Red	NIL	Last 600M Yellow
-Outside ATC HOD: 7 clicks on the PTT turns on the RWY LGT for 30 MIN. -Rotating beacon at the top of the TWR.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL
2	*TLOF / 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*	(1) Helicopter landing/ parking area is on the grass area to the west of Alpha and Bravo aprons. Landing/Take-off at pilot's discretion, caution to be exercised in the vicinity of Ground Support Equipment. Pilots to remain further than 50 meters from RWY edge when landing/parking. (2) Helicopters that do not have wheels on board for repositioning after shutdown and need to land or air taxi to fuel bays must exercise caution in the vicinity of Ground Support Equipment and must land/air taxi at pilot's discretion, however it is compulsory for helicopters with skids to carry wheels on board. (3) Helicopters who park on grass park at own/pilots discretion.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR 1. From a point at 293244.06S 0302013.23E to a point at 293044.10S 0302713.10E 2. Thence clockwise around the arc of a circle, radius 5NM, centred at 293529.92S 0302900.12E to a point at 293558.20S 0303442.71E. 3. Thence a straight line to a point at 294338.42S 0303353.12E. 4. Thence clockwise around the arc of a circle, radius 5NM, centred at 294310.10S 0302810.10E to a point at 294637.31S 0302400.32E. 5. Thence a straight line to a point at 294056.98S 0301750.19E. 6. Thence clockwise around the arc of a circle, radius 5NM, centred at 293729.97S 0302159.95E to the starting point at 293244.06S 0302013.23E.
2	*Vertical limits*	GND/ 6 500 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	English
5	*Transition altitude*	NIL INFO AVBL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Pietermaritzburg Tower	122.0 MHz	MON-FRI: 0430 - 1800. SAT: 0600 - 1300; SUN: 0830 - 1800	ATC Hours of duty on Public Holidays will be notified by a NOTAM. 24 hour prior notice required for after hours unless otherwise arranged with officer in charge - TWR

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR/DME	PMV	117.9 MHz transmits Channel 126x	H24	293852.13S 0302401.28E	NIL INFO AVBL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
RNAV (GNSS) RWY 34	-RNAV-02
Aeronautical Data Tabulation	-RNAV-02A
RNP RWY 16	-RNP-01
Data Tabulation	-RNP-01A

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FAPN

FAPN AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPN - PILANESBERG INTERNATIONAL

FAPN AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 252007.74S 0271017.88E
2	*Direction and distance from city*	50KM North of Rustenburg
3	*Elevation/Reference temperature*	AD Elev: 3412 FT
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	17°W / 2003
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, web-site address*	Authority Supervising the Aerodrome and Remarks: Department of Community Safety and Transport Management Private Bag X1016, MOGWASE 0314 PUB AD CHF: TEL: +27 14 552 1261 FAX: +27 14 552 1143 ATC TEL: +27 14 552 2154 ATC FAX: +27 14 552 2154 FIRE SER: +27 14 552 1261 Airport Manager: Mr Mogomotsi Padi CTC Number: +27 14 552 1261 Mobile Number: +27 83 233 9518 E-mail: mpadi@nwpg.gov.za
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

FAPN AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	MON - SUN: 0500 - 1700 AVBL SS- SR: Night operations restricted to pilots with valid instruments ratings who are acquainted with AD and surroundings. AD unmanned from 1700 - 0500, flying into AD is at pilots own risk.
2	*Customs and immigration*	HOD: 0500-1700 on request daily. It is required that 12 hours prior notice be given stating the date & time of ARR or DEP to port officials by the pilot-in-command. Customs: TEL: +27 14 552 3111/7 CELL: +27 66 485 3267 Immigrations: TEL: +27 14 552 2320 CELL: +27 67 415 8043
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	TWR HOD: MON-FRI: 0500-1700; SAT 0700 - 1200; SUN 0615-1500. HOD during Public Holiday's will be notified via NOTAM.

8	*Fuelling*	MON-FRI: 0500-1700, SAT, SUN and Public Holidays: 0700-1200. AFT HR: PN should be given to the refuelling staff for any requests other than the published hours. CTC Peter Ramalete: +27 78 260 0891 or Ms Manana Bogatsu +27 82 334 7535
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	Ad-hoc extension to the hours of operations will be considered by the airport authority at an “after hours” rate. The request must reach the Airport Authority at least 7 working days in advance of the intended effective date.

FAPN AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS, JET A1 and SHELL W100
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

FAPN AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	Restaurants	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	1.) SAPS Offices permanently stationed at the AD. 2.) In case of an unmanned AD; arrangements for landing can be made with Mr. A Rasepae: Mobile Number +27 72 174 6402.

FAPN AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT II.
2	*Rescue equipment*	NIL

3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

FAPN AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	Asphalt PCN 58
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	NIL INFO AVBL
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	Decimal Latitude 25.336475, Decimal Longitude 27.170079
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	15 Parking Bays for General Aviation (Small Aircraft) A1 Parking Bay for Bigger Bodied Aircraft A Concrete Slab Refueling Bay

FAPN 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL

FAPN AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Cable way	252111S 0270540E 252203S 0270458E	4464 / 295FT 3648 / 295FT	Unmarked	S of Sun City
NIL INFO AVBL	Steel Container	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	70M to the left of RWY 05
Power line below APCH RWY 05 and mountains N & W of AD.					

FAPN AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FAOR
2	*Hours of service* *MET Office outside hours*	No MET Station FAOR: +27 82 233 9600/8800
3	*Office responsible for TAF preparation* *Periods of validity*	FAOR 9-11 Hours
4	*Trend forecast* *Interval of issuance*	NIL 3 Hourly
5	*Briefing / consultation provided*	Flight documentation and other aviation related information AVBL on website page: http://aviation.weathersa.co.za
6	*Flight documentation / Language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, etc.)*	NIL

FAPN 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 APP RWY*
1	*2*	*3*	*4*	*5*	*6*
05	NIL INFO AVBL	2750M x 30M	ASPH PCN 58/F/C/X/T	252037.37S 0270954.86E	3408FT
23	NIL INFO AVBL	2750M x 30M	ASPH PCN 58/F/C/X/T	251939.39S 0271043.34E	3401FT

Designations RWY NR	*Slope of RWY-SWY*	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*
1	*7*	*8*	*9*	*10*	*11*
05	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
23	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

Remarks 12
(1) Circuit procedure: RWY 05 right-hand - RWY 23 left-hand.
(2) Tower view of the left base of RWY 05 obstructed due to terminal building structure.
Note: No flights authorised over the Pilanesberg Nature Reserve (Circle radius 7 NM centred on 251430S 0270510E) below 2 000 FT GND.

FAPN AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	2750	2810	2750	2750	NIL INFO AVBL
23	2750	2810	2750	2750	NIL INFO AVBL

FAPN 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, INSTST*	*RWY Edge LGT LEN, spacing, colour, INSTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
05	NIL INFO AVBL	NIL INFO AVBL	(1)	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	RWY lighting AVBL
23	NIL INFO AVBL	NIL INFO AVBL	(1)	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	RWY lighting AVBL

(1) PAPI AVBL RWY 05/23 approach slope 3°
(2) Remote Switching 3 clicks on microphone button on FREQ 118.4 MHz switches lights ON.
5 & 7 clicks will increase light intensity. Light switch OFF after 15 minutes.

FAPN AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL INFO AVBL

FAPN AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL

5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

FAPN AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ Circle with radius: 8 NM Centre: 252000S 0271025E
2	*Vertical limits*	7 000 FT ALT
3	*Airspace classification*	Class C - Aerodrome separation only Note: Class A during official Night
4	*ATS unit call-sign Language*	English
5	*Transition altitude*	NIL INFO AVBL
6	*Remarks*	Except where otherwise authorized, no aircraft may operate within this air-space unless two-way radio communication is maintained with ATC. Tower visibility is obstructed by the terminal building. (Terminal building is to the west of the tower).

FAPN AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Pilanesberg Tower	118,4 MHz transmits and receives	MON-FRI:0500-1700; SAT: 0700-1200; SUN: 0615-1500. HOD during Public Holiday's will be notified via NOTAM.	NIL

FAPN AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (VOR/ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME Transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
DVOR	PNV	112.6 MHz	H24	252345.03S 0270721.74E	NIL INFO AVBL	Power output 50W

UHF DME	PNV	Transmits 1160 MHz Receives 1097 MHz	H24	252345.03S 0270721.74E		Channel 73X Co-axially co-located with VOR

FAPN AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

FAPN AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FAPN AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

FAPN AD 2.23 ADDITIONAL INFORMATION

Increased wildlife ACT at the airfield. Pilots to EXER CTN when LDG/TKOF.

FAPN AD 2.24 CHARTS RELATED TO AN AERODROME

AD B/C VOR/DME 05	-AD-01 -VOR-01

FAPP

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPP - POLOKWANE INTERNATIONAL

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	235058.73S 0292723.36E
2	*Direction and distance from city*	360°, 5NM N of Polokwane
3	*Reference elevation/Reference temperature*	4076 FT / 24,6° C
4	*Geoid undulation at aerodrome elevation position*	56.6FT
5	*MAG VAR* *annual change*	16° W /2018 0°5' W
6	*AD operator, address, Telephone, Telefax, Email, AFS address and, if available, website address*	PUB AD CHF: Gateway Airport Authority Limited P.O. Box 1309 POLOKWANE, 0700 TEL: +27 15 288 0122 FAX: +27 15 288 0125 ATC: +27 15 288 0343 ATC FAX: +27 15 288 0344 MET: +27 15 288 0030, FAX +27 15 288 0030 Border Police: +27 15 288 7000 Border Police: +27 76 534 0337 Customs: +27 15 288 1585/6 Customs: +27 76 534 0337 Immigration: +27 15 288 0083, +27 83 773 5218 or +27 73 993 7642 AFS: FAPPZTZX
7	*Types of traffic permitted (IFR / VFR)*	IFR/ VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON - FRI: 0430 - 1630 SAT: 0700 - 1400; SUN: 0700 - 1630. Public Holidays will be notified accordingly via NOTAM.
2	*Customs and immigration*	Same as AD HOD. Available after hours preferably with prior notice giving the date and time of arrival or departure to the Port Officials
3	*Health and sanitation*	Available within AD hours with 2 HR PN
4	*AIS briefing office*	H24 Central AIS +27 86 025 9669, +27 11 928 6517 / 6593 / 6514
5	*ATS reporting office (ARO)*	MON - FRI: 0430 - 1630 SAT: 0700 - 1400; SUN: 0700 - 1630. TEL: +27 15 288 0343

6	*MET briefing office*	2230 - 1800.
7	*ATS*	MON-FRI: 0430-1630, SAT: 0800-1400, SUN: 0800-1630. HOD during Public Holiday's will be notified via NOTAM.
8	*Fuelling*	Jet A1 and AVGAS AVBL during AD operator hours of service. Outside AD operator HR, refuelling arrangements are to be made 60MIN prior to delivery time by ACFT OPR. For refuelling enquiries CTC: Jacques Pennells - Tel: +27 82 653 7956. Raschelle Pennells - Tel: +27 82 878 7610.
9	*Handling*	MON-FRI: 0430-1630, SAT: 0700 - 1400; SUN: 0700 - 1630. AVBL outside these hours only with prior arrangement.
10	*Security*	H24 security service
11	*De-icing*	NIL
12	*Remarks*	Services are available on request after stipulated hours with prior notice as stipulated for the specific service.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Belt loader and Pallet dolly
2	*Fuel and Oil types*	AVGAS 100, JET Ai and certain oil types
3	*Fuelling facilities and capacity*	Fuel Bowsers JET At, AVGAS Fuel Tank
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	16 x 540 square metre 1 x 6450 square metre Prior arrangements to be made regarding hangars.
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation: Hotels, Chalet and Lodges in Town within ten (10) KM radius.
2	*Restaurants*	Coffee shop and light meals available at the airport during airport hours. Variety of restaurants available within 10km radius of the airport and in the city of Polokwane.
3	*Transportation*	Buses, Taxis and Limousine available on request.

4	*Medical facilities*	First Aid at the airport. Clinic and hospital within 10KM of the airport.
5	*Bank and Post Office*	Banks available within 10km radius of the airport and in the city of Polokwane.
6	*Tourist office*	Basic Tourism Information available at the Airport Information Desk. Provincial Tourism Office available in the city: Contact: +27 15 293 3600 Email: info@golimpopo.com
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT VII within AD HR. 1 Acting Chief fire officer. 9 or 10 responding personnel per shift, total 20.
2	*Rescue equipment*	2 fire fighting vehicles, 2 Power saws, 1 hydraulic jaws of life, 24400L water, 3416L per MIN foam discharge and 450KG DCP. 100% stock maintained and 200% in store. 680L premix on Rescue 1 and 50KG DCP on Rescue 1. Standard firefighting equipment are carried and operated on all fire tenders in accordance with ICAO and SACAA requirements for CAT 7 AD licence.
3	*Capability for removal of disabled aircraft*	Bronkhorst Crane Hire: TEL: +27 15 293 0927 CELL: Softy +27 82 717 1093 or Beauty +27 79 102 8003. ACFT operator to remove disabled aircraft from active RWY within 2 hours.
4	*Remarks*	SAR - Under the co-ordinatlng direction of the South-African Search and Rescue Organisation (SASAR) Memorandum of understanding with Polokwane Municipality Fire Brigade, Disaster management and Limpopo Emergency Medical services. Memorandum of Understanding with SAPS Diving Unit for rescue in difficult environment. RFFS simulator situated 100M north of TWY B.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	A = Rigid, PCR 960/R/A/W/T B = Rigid, PCR 960/R/A/W/T C = Rigid, PCR 960/R/A/W/T D = Flexible, PCR 960/R/A/W/T
2	*Designation, width, surface and strength of taxiways*	A = 23m, Flexible, PCR 980/F/A/X/T B = 23m, Flexible, PCR 980/F/A/X/T C = 23m, Flexible, PCR 980/F/A/X/T D = 23m, Flexible, PCR 980/F/A/X/T E = 23m, Flexible, PCR 980/F/A/X/T
3	*ACL and elevation*	THR RWY 01, 4076FT THR RWY 19, 4013FT THR RWY 05, 4014FT THR RWY 23, 4035FT
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	Apron flood lights available.

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.*	1) Aircraft stand ID signs not provided on all stands 2) Taxing guidance signs and markings provided at all intersections and runway holding positions.
2	*RWY and TWY markings and LGT*	RWY 05/23 APCH, THR, RWY edge and RWY end, PAPI 05, displaced wingbar RWY 23 and wingbar 05 lit. TDZ not lit. TWY: centreline and holding positions at all TWY/RWY intersections marked and lit; TWY edge except TWY A lit; centreline and TWY holding positions at other locations marked only. Guard light on TWY B, C, D and E. TWY lead On/Off lights on TWY E. Stop bars at E TWY lit.
3	*Stop bar*	Provided at TWY E.
4	*Remark*	Marking aids: All runways - thresholds, Touch - down, RWY designator, RWY centre line and Holding points. No designated helipad. Aprons - Some parking bays numbered. Taxiways: A, B, C, D and E. For aerodrome restricted visibility refer to chart AD-02. Wind direction indicator AVBL and lit. Guard lights on TWY B, C, D and E.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	12416 EXT TWR	S235252.16 E0292428.36	1299.38m	NIL INFO AVBL	NIL
NIL INFO AVBL	BEN HARRIS TWR	S235329.49 E0292439.40	1280.85m	NIL INFO AVBL	NIL
NIL INFO AVBL	EAGL SESH AME MAST	235139.81S 0292306.31E	1282.64m	NIL INFO AVBL	NIL
NIL INFO AVBL	FIRE SIMULATOR	235114.51S 0292718.43E	1239.82m	NIL INFO AVBL	NIL
NIL INFO AVBL	ILD BLD	235002.84S 0292806.84E	1228.18m	NIL INFO AVBL	NIL
NIL INFO AVBL	MOROPA MAKETE MAST	234715.67S 0293122.36E	1239.21m	NIL INFO AVBL	NIL
NIL INFO AVBL	PISHEGO TWR	235148.22S 0292323.73E	1299.85m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA MAST DEWET	235250.82S 0292856.36E	1332.58m	NIL INFO AVBL	NIL
NIL INFO AVBL	SBA PLK EXT29 TWR	235209.28S 0292545.86E	1264.17m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA TWR FUTURA	235219.35S 0292623.62E	1274.71m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA TWR LESEDI	235213.58S 0292536.31E	1256.48m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA TWR LUTHULI	235108.89S 0292426.57E	1257.70m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA TWR LITHULI PARK	235121.06S 0292451.10E	1264.72m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA TWR SESH IND	235017.66S 029235207E	1264.70m	NIL INFO AVBL	NIL
NIL INFO AVBL	VODA TWR TWEEFONTEIN	235004.31S 0293014.57E	1264.70m	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FAPP
2	*Hours of service* *MET office responsible outside hours*	0230-1830 TEL: +27 15 288 0030 CELL: +27 72 458 5128 1830-0230: O R TAMBO TEL: +27 82 233 9600
3	*Office responsible for TAF preparation and periods of validity*	FAOR Domestic TAF: 11HR
4	*Type of trend forecast and interval of issuance*	FAOR, hourly
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	Aviation MET website
9	*ATS units provided with information*	TWR, APP
10	*Additional information (limitation of service, e.t.c.)*	Flight documentation and other Aviation related Information AVBL on web page http://aviation.weathersa,co.za,

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
01	359°T/013°M	2560 x 45	PCR 980/F/A/X/T	235137.47S 0292731.76E	4076FT	- 0,75%
19	179°T/193°M	2560 x 45	PCR 980/F/A/X/T	235014.26S 0292730.21E	4013FT	+ 0,75%
05	038°T/052°M	2320 x 45	PCR 980/F/A/X/T	235131.71S 0292649.72E	4014FT	+0.28%

Designations RWY NR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
23	218°T/232°M	2320 x 45	PCR 980/F/A/X/T	235032.06S 0292740.22E	4035FT	- 0,28%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
100	1102	2880 x 150	240 X 90	NIL INFO AVBL	NIL INFO AVBL	See below.
100	45	2880 x 150	240 X 90	NIL INFO AVBL	NIL INFO AVBL	
855 X 45	915	3299 x 280	240 X 90	NIL INFO AVBL	NIL INFO AVBL	
NIL	60	3299 x 280	90 x 90	NIL INFO AVBL	NIL INFO AVBL	

Remarks 12
1) RWY 01 DEP to be REQ on start up due to restricted VIS of the RWY,
2) The full length DEP of RWY 23 to be done at pilots discretion due to the first 800M not being visible FM the TWR.
NB : Threshold of RWY 23 displaced due to slope, first 800M not visible from the TWR.
Safe APCH slope on 2%.
Circuit Procedures
(a) Circuit altitude: Piston engined aircraft - 5100 FT
Jet Engined aircraft - 5600 FT
(b) RWY 01 in use - Left hand circuit
RWY 19 in use - Right hand circuit
RWY 05 in use - Left hand circuit
RWY 23 in use - Right hand circuit

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
01	2560	3662	2660	2560	NIL
19	2560	2605	2660	2560	NIL
05	2320	3235	3175	2320	NIL
23	2320	2380	2320	2320	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, spacing, colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
01	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
19	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
05	SALS 450M	Green	PAPI 3º R/H	NIL	NIL	60M White 10 000 candela	Red	Amber	NIL
23	NIL	DTHR Green	PAPI 3º L/H	NIL INFO AVBL	NIL INFO AVBL	60M White 10 000 candela	Red	NIL	NIL
1) Runway Lighting available RWY 05/23. 2) PAPI AVBL on RWY 05/23.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	TWY edge.
4	*Secondary power supply and switch-over time*	Uninterruptible power supply available to cover PAPIs, APCH lights, RWY end lights, THR lights and RWY edge lights.
5	*Remarks*	APN lights OPR automatically, on during SS and off during SR.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL

4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	RWY used for Helicopter operation. Taxi/Air Taxi to/ from Apron.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR (a) From a point at 233841.59S 0292352.82E a straight line to a point at 234832.85S 0293738.15E (b) Thence straight line to a point at 240752.97S 0292115.76E (c) Thence a straight line to a point at 235800.33S 0290729.35E (d) Thence a straight line back to the starting point at 233841.59S 0292352.82E
2	*Vertical limits*	GND - 7600FT ALT
3	*Airspace classification*	Class "C"
4	*ATS unit call sign* *Language(s)*	Polokwane English
5	*Transition altitude*	9000 FT
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR/APP	Polokwane	119.75 MHz	MON-FRI: 0430-1630, SAT: 0800-1400, SUN: 0800-1630. HOD during Public Holiday's will be notified via NOTAM.	Standby/Secondary FREQ 118.0 MHz

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR/DME	PPV	114.5 MHz CH 92X 1116MHz REC 1179MHz TRANS	H24	235023.35S 0292738.04E	4023 FT	Co-located with VOR.

AD 2.20 LOCAL AERODROME REGULATIONS

Circuit ALT: Piston 5100 FT. Jet 5600 FT circuits on all RWY to the West of AD.

AD 2.21 NOISE ABATEMENT PROCEDURES

1. As per ENR 1.5.
2. No engine run-ups will be allowed on the Apron without permission from AD Operator.

AD 2.22 FLIGHT PROCEDURES

- IFR Departures from FAPI to call FAPP ATC for start.
- TFC BLW THE Polokwane TMA to BCST intentions on 124.8 MHz.
- All departures from FAPI to contact FAPP Tower either on Frequency 119.75 MHz or via telephone on +27 15 288 0343 before take-off to obtain clearance into controlled airspace. FAPI circuits to be conducted as follows:

1. RWY 08 - right circuits at 5100ft on FAPP QNH.
2. RWY 26 - left circuits at 5100ft on FAPP QNH.
3. All circuit traffic to remain East of R37 road.

- All departures from The Ranch hotel to contact FAPP Tower on Frequency 119.75 MHz or via telephone on +27 15 288 0343 before take-off to obtain clearance into controlled airspace.

AD 2.23 ADDITIONAL INFORMATION

1) Limited view of manoeuvring area from TWR. Any OBST and foreign object debris on RWY 01/19, TWY C, TWY D and RWY 05/23 N of RWY INT not visible from the TWR. Pilots to EXER CTN.
2) ATC not in contact with vehicles and personnel transitting through APN, A, B, C and D. ATC assumes no responsibility over these movements,.
3) All pilots to and from FAPP to take note of TFC operating in close proximity to FAPP and FAPI Airfield (5NM South East).
4) APCH fees in effect to all ACFT inside Polokwane airspace. For more INFO, CTC Operations manager Mr Christian Mtshweni +27 60 957 8494.
5) Refer to GEN 4.2 to obtain information on the billing and collection for FAPP
6) Bird warning: Bird sanctuary west of THR RWY 05. Increased bird activity at the airport.

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Restricted Visibility Chart	-AD-02
Instrument Approach Chart	-VOR-01
RNP RWY 05	-RNP-01
Data tabulation	-RNP-01A

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FAPS

FAPS AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAPS - POTCHEFSTROOM

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	S264005.85 E0270502.79 Mid point of aerodrome
2	*Direction and distance from city*	5km N of Potchefstroom
3	*Reference elevation/Reference temperature*	4520FT
4	*Geoid undulation at AD ELEV PSN*	NIL INFO
5	*MAG VAR / Annual change*	NIL INFO
6	*AD operator, address, Telephone, Telefax, Email, AFS address and, if available, website address*	PUB AD CHF: Municipality P.O. Box 113, POTCHEFSTROOM 2520 TEL: +27 18 299 5111 FAX: +27 18 293 1113 Contact: Mr T Muswede
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Dedicated Frequency: 123.00 MHz

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	NIL INFO
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO
4	*AIS briefing office*	NIL INFO
5	*ATS reporting office (ARO)*	NIL INFO
6	*MET briefing office*	NIL INFO
7	*ATS*	NIL

8	*Fuelling*	AVGAS available Supplier: Mariannair CC HOD: MON-FRI: 24HR SAT and SUN call out basis. TEL: +27 18 294 4003, +27 83 631 6361, +27 82 801 5899 Weekend call out TEL: +27 83 745 5071 Jet A1 available. Supplier: AIR BP/ Chubby Chick HOD: H24 Call-out. TEL: +27 18 293 0202 A/H Call out: +27 82 421 1079, +27 82 839 4370, +27 82 856 2071
9	*Handling*	NIL INFO
10	*Security*	NIL INFO
11	*De-icing*	NIL INFO
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO
2	*Fuel and Oil types*	Avgas and Jet A1 available
3	*Fuelling facilities and capacity*	NIL INFO
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

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO
2	Restaurants	NIL INFO
3	*Transportation*	NIL INFO
4	*Medical facilities*	NIL INFO
5	*Bank and Post Office*	NIL INFO
6	*Tourist office*	NIL INFO
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	**CAT III AVBL 30MIN before and after flight operations**
2	*Rescue equipment*	**NIL INFO**
3	*Capability for removal of disabled aircraft*	**NIL INFO**
4	*Remarks*	**NIL INFO**

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	**NIL INFO**
2	*Designation, width, surface and strength of taxiways*	**NIL INFO**
3	*ACL location and elevation*	**NIL INFO**
4	*VOR checkpoints*	**NIL INFO**
5	*INS checkpoints*	**NIL INFO**
6	*Remarks*	**NIL INFO**

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 INFO**
2	*RWY and TWY markings and LGT*	**NIL INFO**
3	*Stop bar*	**NIL INFO**
4	*Remark*	**NIL INFO**

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	**Mast**	**S264027 E0270442**	**HGT 98.5 FT**	**Warning LGT**	**NIL INFO**
NIL INFO	**Mast**	**S264003 E270523**	**HGT 131.24 FT**	**Day/NGT markings**	**NIL INFO**

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO	**NIL INFO**	**NIL INFO**	**NIL INFO**	**NIL INFO**	**NIL**

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	**NIL INFO**
2	*Hours of service* *MET office responsible outside hours*	**NIL INFO**
3	*Office responsible for TAF preparation and periods of validity*	**NIL INFO**
4	*Type of trend forecast and interval of issuance*	**NIL INFO**
5	*Briefing / consultation provide*	**NIL INFO**
6	*Flight documentation / language(s) used*	**NIL INFO**
7	*Charts and other information available for briefing or consultation*	**NIL INFO**
8	*Supplementary equipment available for providing information*	**NIL INFO**
9	*ATS units provided with information*	**NIL INFO**
10	*Additional information (limitation of service, e.t.c.)*	**NIL INFO**

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength (PCN) and surface of RWY and SWY*	*THR coordinates*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
03	NIL INFO	1765 x 30	ASPH PCN 41/F/B/Y/T	264038.9S 0270448.64E	THR: 4511FT	-0.96%
21	NIL INFO	1765 x 30	ASPH PCN 41/F/B/Y/T	263943.06S 0270503.02E	THR: 4455FT	+0.96%
15	NIL INFO	873 x 30	GR	264008.19S 0270459.57E	THR: 4485FT	-0.69%
33	NIL INFO	873 x 30	GR	264027.98S 0270522.01E	THR: 4465FT	+0.69%
SWY Dimensions (M)	*CWY Dimen-sions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting sys-tem (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
25	60	NIL INFO	NIL INFO	NIL INFO	NIL INFO	See below
190	0	NIL INFO	NIL INFO	NIL INFO	NIL INFO	See below
NIL INFO	NIL INFO	NIL INFO	NIL INFO	NIL INFO	NIL INFO	See below
NIL INFO	NIL INFO	NIL INFO	NIL INFO	NIL INFO	NIL INFO	See below

Remarks 12
1.Taxilines FM the TWY to dispersal are incorrect. Pilots to taxi at own discretion.
2.Turning pad on THR 21: Length - 60M, Width - 60M

AD 2.13 DECLARED DISTANCES

1	*2*	*3*	*4*	*5*	*6*
RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
03	1765	1825	1790	1765	NIL
21	1765	1765	1955	1765	NIL
15	873	873	873	873	NIL
33	873	873	873	873	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT Length, spacing, colour, INSTST*	*RWY Edge LGT LEN, spacing, colour, INSTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*
03	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
21	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Remarks 1) NGT OPS suspended due all LGT U/S.								

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO
3	*TWY edge and centre line lighting*	Edge: All taxiways Centre line: -
4	*Secondary power supply and switch-over time*	Auxiliary power supply provided - switched on DRG pre arranged flight operations alternative will switch on automatically with a 1MIN time delay.
5	*Remarks*	NIL INFO

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO
2	*TLOF / FATO elevation (m/ft)*	NIL INFO
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO
4	*True BRG of FATO*	NIL INFO
5	*Declared distance available*	NIL INFO
6	*APP and FATO lighting*	NIL INFO
7	*Remarks*	NIL INFO

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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS
NIL INFO

AD 2.21 NOISE ABATEMENT PROCEDURES
NIL INFO

AD 2.22 FLIGHT PROCEDURES
NIL INFO

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FARB

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FARB - RICHARDS BAY

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	284424.65S 0320536.18E Mid-point of aerodrome
2	*Direction and distance from city*	2.5 NM NE RICHARDS BAY
3	*Reference elevation/Reference temperature*	109FT 26.4° C
4	*Geoid undulation at aerodrome elevation position*	81.053 FT (24.705 M)
5	*MAG VAR* *annual change*	23° W
6	AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address	PUB AD CHF: Richards Bay Airport Company Private Bag X1004 Richards Bay, 3900 Administrator: Ms Nkosi Sibiya TEL: +27 35 907 5997 / +27 35 907 5355 Operations Manager: Mr Simphiwe Morajane CELL: +27 82 882 1800 ATC: +27 35 907 5354 ATC FAX: Not AVBL AD 24 HR Security: +27 71 853 8775 E-MAIL: farbtwr@atns.co.za AFTN Address: FARBZTZX Website: www.richardsbayairport.co.za
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0530-1400 Admin Excluding Public Holidays
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON-TUE: 0500-1500 WED-FRI: 0630-1600 SAT: 0800-1200 SUN: 0900-1600 Public Holidays to be ADZ per NOTAM.

8	*Fuelling*	Supplier: Puma Energy TEL: +27 35 880 0007 HOD: MON: 0400-1400 TUES: 0600-1400 WED-FRI: 0800-1800 SAT: 0800-1100 SUN: 0800 -1600 CTC Number for After Hour service: +27 71 600 4362 /+27 76 062 3058
9	*Handling*	NIL
10	*Security*	H24
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	Outside these hours, services are available on request. Request to be not later than 24 hours in advance.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Only receiving cargo on SA Airlink flights into FARB. TEL: +27 35 880 0003/4
2	*Fuel and Oil types*	JET A1
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	3HR PN for fuel outside HOD. R250.00 service charge applicable. Diners Club & AMEX cards not accepted

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In the city.
2	*Restaurants*	At AD and in the city.
3	*Transportation*	Various car hire companies at the AD. Taxi Service on call.
4	*Medical facilities*	First aid at AD. Hospitals in the city.
5	*Bank and Post Office*	Banks and Post Office in the city.
6	*Tourist office*	Tourism information centre in town. TEL: +27 35 907 5018
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	HOD: MON-SUN: 0400-1600 WI HOD: CAT 5. Outside HOD: CAT 2 Personnel AVBL: 1 Station Officer and 6 fire fighters (CAT 5 OPS) per shift. 1 Station Officer and 8 fire fighters (CAT 6 OPS) per shift. Station Officer: MON-FRI HOD: 0530-1400.
2	*Rescue equipment*	ICAO CAT VI compliant.
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	Backup support from the local municipality. Outside AD HR; fire fighting SER to be REQ -submitted 24HR in advance.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION/POSITIONS DATA

1	*Apron surface and strength*	SFC: Concrete. Strength: LCN 40, PCN 27
2	*Taxiways width, surface and strength*	Width: 15M SFC: Asphalt Strength: LCN 40, PCN 27
3	*ACL location and elevation*	Width:15M plus 5M shoulders each side - totals 25M SFC: Flexible (Asphalt), Strength: LCN 40, PCN 28.
4	*VOR check points*	NIL INFO AVBL
5	*INS check points*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, RWY end as appropriate marked and lighted. Centre line marked. TWY: Holding positions at all TWY/RWY intersections marked. Centre line marked.
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	All aprons -parking bays numbered. Pilots to EXER CTN when taxiing West of the fuel bay due to water drain. Scheduled traffic are to park on the Northern stands. Intense helicopter operations between ships and the harbour.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	S284240 E0321150	HGT 171FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Radio mast	S284248 E0321140	HGT 315FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Radio mast	S284300 E0321000	HGT 98FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Radio mast	S284709 E0320139	HGT 115FT	NIL INFO AVBL	NIL
NIL INFO AVBL	Antenna	S284408 E0320508	NIL INFO AVBL	Red LGT	Marked by steady red LGT 500M FM AD
Mobile crane OPR at harbour BTN 04-08KM on final APCH TWY 05. GND/167.32FT MSL					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FALE
2	*MET office responsible outside hours*	No Meteorological Station Forecasting 0200-1900 (0822239500/8700) FAOR (0822339600/8800)
3	*Office responsible for TAF preparation and periods of validity*	FALE 9-11 hours
4	*Type of trend forecast and interval of issuance*	Nil 3 hourly
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	Richards Bay Tower
10	*Additional information (limitation of service, etc.)*	Hourly METAR's prepared by ATS Flight documentation and other Aviation related information AVBL on web page http://aviation.weathersa.co.za

AD 2.12 RWY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
05	034.2 T/057 M	1300 x 21	ASPH LCN 40, PCN 27	284445.35S 0320517.89E	73 FT	0.82U
23	214.2 T/237 M	1300 x 21	ASPH LCN 40, PCN 27	284410.38S 0320544.90E	109 FT	0.82D
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	1420M x 75M	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL	NIL	1420M x 75M	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
Remarks 12: ACFT must adhere to RWY's and TWY's and park in the parking area						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	1300	1300	1300	1300	NIL
23	1300	1300	1300	1300	NIL

AD 2.14 APPROACH AND RUWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS(M EHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
05	NIL INFO AVBL	Green	PAPI 2.70DEG	NIL INFO AVBL	NIL INFO AVBL	1300M; 60M; white	Red	NIL INFO AVBL	NIL
23	NIL INFO AVBL	Green	PAPI 3.40DEG	NIL INFO AVBL	NIL INFO AVBL	1300M; 60M; white	Red	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	ABN: NIL IBN: NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL Anemometer: 200 m SW from TWR, LGT
3	*TWY edge and centre line lighting*	Edge: All TWY Centre line: NIL
4	*Secondary power supply and switch-over time*	Secondary power supply to all lighting at AD from Stand-by generator. Switch over time: 70sec
5	*Remarks*	Lighted windsock west of RWY

AD 2.16 HELICOPTERS LANDING AREA

1	*Coordinates TLOF or THR of FATO / Gd undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FAT*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	RWY used for helicopter operation. Taxi/Air taxi to/ from parking/refuelling area.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR A circle radius 15 NM centred on position 284416S 0320530E.
2	*Vertical limits*	GND/2500FT ALT
3	*Airspace classification*	Class C (Class G outside hours of operation)
4	*ATS unit call sign* *Language(s)*	Richards Bay Tower English
5	*Transition altitude*	3500 FT
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Richards Bay Tower	118.9 MHz transmits and receives	MON-TUE: 0500-1500; WED-FRI: 0630-1600; SAT: 0800-1200; SUN: 0900-1600 Public Holidays to be ADZ per NOTAM.	Direct speech line removed. Outside line for all co-ordination TEL: +27 35 907 5354. Emergency standby number +27 71 183 3134.

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR/DME	RBV	113.0 MHz	H24	284426.49S 0320536.91E	93 FT	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

Circuit procedures.
a) Circuit altitude: Piston engined aircraft - 1500 FT AMSL.
Jet engined aircraft - 1500FT AMSL
b) Circuit on all Runways (05/23) to the east unless directed otherwise by ATC.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

Aircraft routing to/from FARB airspace to contact ATC prior to departure/entering controlled airspace. IFR Departures and all helicopters to call ATC for start. All VFR Traffic Operators coastwise to exercise caution and to monitor on all appropriate FREQ GND/1000 FT MSL.

DEEMED SEPARATION BETWEEN VFR AND IFR AIRCRAFT ROUTING
Deemed separation between all VFR aircraft routing/transiting the FARB CTR.
a) Seawards of the coastline within the CTR at 500 FT AGL.
b) West of the N2 highway within the CTR at 1500 FT AGL or below and all IFR traffic established inbound to either RWY 05/23 at 2000 FT ALT or below, or when on departure maintaining RWY track off either RWY 05/23 to 2500 FT ALT prior to commencing the respective turn in the direction of the next fix/point as per Flight plan concerned.

For Radio Communication failure refer AIP ENR 1.5-5.

AD 2.23 ADDITIONAL INFORMATION

1) Excessive bird and monkey activity taking place at the AD. Pilots to EXER CTN.
2) All currently declared taxiways land side west of the demarcated holding points for RWY 05/23 downgraded to apron.
3) Scheduled traffic to park on northern stands.
4) Intense helicopter operations between ships and the harbour. All VFR Traffic Operators caution and monitor frequency 118.9MHz.
5) ACFT parking on grass area do it at own discretion.
6) AP charges applied for use of Richards Bay AP, CTC person: Ms Nkosi Sibiya (Airport Administrator) +27 35 907 5997 / +27 35 907 5355. MON-FRI 0530-1400; Excluding Public Holidays.

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
Parking	-AD-02
B/C VOR/DME 05	-VOR-01
VOR Z RWY 23	-VOR-03

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AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FASC - SECUNDA

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	263114S 0291020E
2	*Direction and distance from city*	NIL INFO AVBL
3	*Reference elevation/Reference temperature*	5250 FT
4	*Geoid undulation at aerodrome elevation position*	93.8 FT
5	*MAG VAR* *annual change*	20º W (2018) 0º7' W
6	*AD operator, address, TEL, FAX, SITA, AFS*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Govan Mbeki Municipality Private Bag X1017 Secunda 2302 TEL: (017) 620 6265 FAX: (017) 620 6214 CELL: 083 630 4833 VHF 122.0 MHz
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD operational hours: HJ, HN PPR
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL INFO AVBL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS 100.
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	2.2 NM SW	ELEV 6050 FT	Unlit	High structures in factory area.
NIL INFO AVBL	NIL INFO AVBL	2.2 NM S	ELEV 6250 FT	LGTD	
NIL INFO AVBL	NIL INFO AVBL	1.9 NM SE	ELEV 5386 FT	Unlit	

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	093°T	1100 x 18	ASPH LCN 15	263125.74S 0290953.24E	5243 FT	NIL INFO AVBL
29	273°T	1100 x 18	ASPH LCN 15	263125.79S 0291032.19E	5279 FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	TPI: RWY 11 Left RWY 29 Right
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	1100	1100	1100	1100	NIL
29	1100	1100	1100	1100	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	NIL	RL	NIL	NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
29	NIL	RL	NIL	NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL

5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	NIL INFO AVBL	121.0 MHz	H24	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01

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FASK

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FASK - SWARTKOP (MIL - UNLICENSED)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	254832.183S 0281001.097E
2	*Direction and distance from city*	5 NM SW Pretoria
3	*Reference elevation/Reference temperature*	4794 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	19.5ºW (2019)
6	*AD operator, address, TEL, FAX, SITA, AFS*	PUB AD CHF: AFCP P/BAG X 199 PRETORIA, 0001 TEL: (012) 312 2034 FASK TWR TEL: (012) 351 2115 FASK BCP TEL: (012) 351 2285 FAWK TWR TEL: (012) 672 3251/3060 FAWK BCP TEL: (012) 672 3439/3297 FAX: (012) 672 3323 Telegraphic Address: AFTN FASKZTZX, FAWKZTZX email: waterkloofatc@gmail.com
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0500-1330
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON-FRI: 0700-1300 EXC weekends and Public Holidays. Pilots to follow unmanned procedures on 123.2 MHz outside TWR hours of service and to contact FAWK ATC on 124.1 MHz before entering and exiting FASK ATZ
8	*Fuelling*	MON-FRI: 0500-1330
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL

12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	For military use only: AVGAS 100/130 JET A1/All
3	*Fuelling facilities and capacity*	Fuel bowsers
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation: Hotels, Chalet and Lodges in Town
2	*Restaurants*	SAAF Cafeteria
3	*Transportation*	Rent a car/taxi available on request.
4	*Medical facilities*	First Aid and Hospital in Town
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT IV
2	*Rescue equipment*	NIL INFO AVBL
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	SAR under the coordination of SAAF, 24H.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Open all seasons.

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete/ N/A.
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remarks*	1. Marking Aids: All runways, threshold, touch-down, runway designator, centreline and holding points 2. Arrestor Barriers: NIL 3. GND Movement CTL: Frequency 121.75 MHz available with prior arrangement.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Steel mast	2547.5S 02809E	HGT 180 FT	Marked	NIL

1) Shooting range active 0.5 NM SE of THR RWY 02, GND- 700 FT AGL. Active on WED: 1000-1600, SAT: 0600-1600.
2) SAAF memorial (Bays Hill), 1 NM NE of AD. Obstruction light unserviceable.
3) Obstruction light on Transmitter next to THR RWY 02 unserviceable.
4) Class B Compass swing - 2 Red circles marked on compass swing where pilots and technicians can stand. Be advised that the readings may be UNREL.
5) Water tower 1NM NW of aerodrome (obstruction lights unserviceable).
6) Jet radio controlled ACFT operations taking place on Wednesdays between 1000 - 1400 and over weekends, GND - 300 FT AGL.
7) RWY 06/24 to be used for Military Operation only.
8)APAPI RWY 20 STD (3°) APP is lifted with 16 FT due contour of terrain.

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
02	006°T	1982 x 30	LCN 60 ASPH	254907.26S 0280948.42E	4791	NIL INFO AVBL
20	186°	1982 x 30	LCN 60 ASPH	254803.19S 0280955.81E	4794	NIL INFO AVBL
06	049°T	1419 x 44	UNK GRASS	254843.18S 0280954.52E	4758	NIL INFO AVBL
24	229°T	1419 x 44	UNK GRASS	254812.69S 0281032.76E	4761	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

Remarks 14

Circuit Procedures:
Circuit Altitudes:
Helicopters - 5600' AMSL, Piston engined aircraft - 5800' AMSL, Turbine engined aircraft 6300' AMSL
Jet engined aircraft 6300'AMSL, Initial 6800'AMSL.
Circuit Directions:
RWY in use 02: Left hand circuit
RWY in use 20: Right hand circuit
RWY in use 06: Right hand circuit
RWY in use 24: Left hand circuit

Additional information:
1. RWY 06/24 to be used for Military Operations only.
2. Possible wind shear THR RWY 20.
3. Elevated RWY, TWY and Helipad lights.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
02	1988	1988	1988	1988	NIL
20	1988	1988	1988	1988	NIL
06	NIL	NIL	NIL	NIL	NIL
24	NIL	NIL	NIL	NIL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
02	NIL INFO AVBL	NIL INFO AVBL	APAPI (3°)	NIL INFO AVBL	AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
20	NIL INFO AVBL	NIL INFO AVBL	APAPI (3°)	NIL INFO AVBL	AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
06	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL
24	NIL INFO AVBL	NIL INFO AVBL	NIL	NIL INFO AVBL	NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Emergency lighting and Secondary supply available 15 SEC
5	*Remarks*	NIL INFO AVBL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	Main TWY

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ a) From a point at 254510S 0280600E on the Waterkloof CTR boundary. b) Thence east to a point at 254439S 0281152E. c) Thence south to a point at 255145S 0281214E. d) Thence west-southwest to a point at 255324S 0280729E on FAWK CTR. e) Thence north along the FAWK CTR back to the starting point at 254510S 0280600E.
2	*Vertical limits*	GND/7600 FT ALT
3	*Airspace classification*	Class C Class G airspace outside ATC hours of service.
4	*ATS unit call sign* *Language(s)*	Swartkop Tower English
5	*Transition altitude*	8000 FT
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
Ground	Swartkop	121.75 MHz	On request only.	Pilots to follow unmanned procedures on 123.2 MHz outside TWR hours of service and to contact FAWK ATC on 124.1 MHz before entering and exiting FASK ATZ
Tower	Swartkop	123.2 MHz	MON-FRI: 0700-1300	

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. Class B Compass swing: 2 x red circles marked on compass swing where pilots and technicians can stand. Be advised that the readings may be unreliable.
2. EV last Sunday of the month 0900-1500
RDO ,CTL flying taking place, GND - 7600FT AMSL.

AD 2.21 NOISE ABATEMENT PROCEDURES

Standard

AD 2.22 FLIGHT PROCEDURES

Outside hours of operation: All flights to contact FAWK TWR on frequency 124.1 MHz prior to entering FASK ATZ. Thereafter broadcast intentions on FASK ATZ Frequency 123.2 MHz maintaining a listening watch on FAWK TWR frequency.

AD 2.23 ADDITIONAL INFORMATION

- Prior permission required from the Chief of SANDF to utilize the aerodrome facilities.
- All MIL aerodromes are unlicensed, this aerodrome may not be nominated as an alternate destination for civilian flights. Diversion and landing in EMERG only.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FASS

FASS AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FASS - SISHEN

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	273900S 0230000E
2	*Direction and distance from city*	10 KM
3	*Reference elevation/Reference temperature*	3848 FT/30.5°
4	*Geoid undulation at aerodrome elevation position*	104.8 FT
5	*MAG VAR* *annual change*	19° W (2018) 0°5' W
6	*AD operator, address, Telephone, Telefax, Email, AFS address and, if available, website address.*	Sishen Iron Ore Mine Private Bag X 506, KATHU, 8446 E-MAIL: flysishen@angloamerican.com Airport Manager: Contact Person: Ms L Blaauw TEL: +2753 739 3267 CEL: +2771 877 0480 E-MAIL: liana.blaauw@angloamerican.com VHF 123.50 MHz Aerodrome Coordinator: Contact Person: Ms. J. Booys TEL: +2753 739 2012 E-MAIL: jacky.booys@angloamerican.com
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	All movements to the airport to be approved in writing by the Airport Manager.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: MON-FRI DLY BTN 0445-1545
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL

10	*Security*	Security scanning & x-raying available as per AD Operational hours.
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	No baggage services AVBL. Baggage on/off loading is the responsibility of the flight crew.
2	*Fuel and Oil types*	No AVGAS or Jet A1 AVBL. Refuelling on apron strictly prohibited.
3	*Fuelling facilities and capacity*	No AVGAS or Jet A1 AVBL. Refuelling on apron strictly prohibited.
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels and guest houses AVBL in Kathu.
2	*Restaurants*	Restaurants AVBL in Kathu.
3	*Transportation*	Car Rental Services AVBL at AP.
4	*Medical facilities*	LenMed hospital AVBL in Kathu.
5	*Bank and Post Office*	Banks and Post Office AVBL in Kathu.
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 4
2	*Rescue equipment*	1 Scania fire tender 6x6, water capacity of 9000L foam capacity 1200L, discharge rate roof monitor 7500L/MIN, bumper monitor 2650L/MIN, dry powder capacity 225KG. 1 x double assassin fire fighting trailer with 1 x 680L premix tank, 1 x 135KG Dry Chemical Powder tank, 1 x 65 millimeter discharge provided from premix tank with feed to 65 millimeter monitor. 1 x basic life support (fire chief), 1 x deputy fire chief (emergency care technician), 8 x fire fighters (6 per shift), all fire fighters are qualified BLS Medics.

3	*Capability for removal of disabled aircraft*	Contracted in as per AEMS mutual aid agreement, policies and procedures
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Stands 1, 2, 3, 4, and 5 Asphalt PCR 100/F/A/X/T & LCN 32
2	*Designation, width, surface and strength of taxiways*	Length:15 meters Width: 23 meters Surface: Asphalt Strength: A&B PCR 100/F/A/X/T & LCN 32
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Aircraft Movement: Pilots of Operators utilising Sishen Airport shall ensure that ACFT are parked safely on the designated apron as approved by airport manager and are manoeuvred in an orderly and safe manner. Passenger Movement: Pilots of Operators utilizing Sishen Airport are responsible for and shall ensure the safe management and movement of their respective passenger flown or to be flown on their ACFT to/from Sishen Airport, especially DRG embarkation and disembarkation by accompanying embarking and disembarking passengers to/from the terminal building. Operators' pilots and hostesses shall wear reflective vests when on apron.

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.*	1.1. Sishen Airport has five (5) power-In / power-out self parking ACFT parking stands on the apron designated 1 to 5. 1.2. ACFT parked on stand numbers 1, 2, 4 & 5 will be facing the terminal building at 90 degrees. 1.3. ACFT parking stands must be approached using either Taxiway Alpha - approach direction. RWY 35 or Taxiway Bravo - approach direction RWY 17 entering the parking stands from the apron taxilane provided at the rear of the apron and facing the terminal building after final parking. 1.4. Due to NO Marshalling service AVBL, a yellow Lead-In line, Alignment Bar and Stop Bar/Line is provided on each of the five parking stands to assist flight crew with self parking. ACFT will be regarded safely parked within the designated parking stand when the stop bar/line provided on the left side of the aircraft is aligned with the left shoulder of the captain of the ACFT indicating that the ACFT is safely positioned within the designated safety lines provided in solid white. 1.5 ACFT approved to operate to Sishen Airport are to park on the parking stand as indicated on their approved application. Pushback Procedures: 2.1. For the purpose of departure, the ACFT would taxi forward following the yellow lead-out lines towards the taxilane and then a LEFT or RIGHT turn towards taxiway Alpha or Bravo pending the runway to be used for take-off . 2.2. Taxi out of the parking stands is towards the terminal building and then a LEFT or RIGHT towards Taxiway Alpha of Bravo.
2	*RWY and TWY markings and LGT*	AVBL
3	*Stop bar*	NIL
4	*Remark*	Pilots and operators utilizing the AP shall ensure that ACFT are parked WI designated parking bays and are manoeuvred in an orderly and safe manner. All movements to the airport to be approved in writing by the Airport Manager.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	For Sishen Airfield weather information on the ground either 3 x clicks on the radio microphone at 121 MHz or sms “vfass” to 36101 or visit www.vitalweather.co.za. Pilots are to report any irregularities with the weather station to the Airport Manager or Airport Coordinator mentioned in 2.2 (6).
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	Unmanned

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*True BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
17	154° (T)	2325 x 23	PCR 210/F/C/Y/U ASPH	273813.03S 0225934.03E	3835 FT	+0.55%
35	334 °(T)	2325 x 23	PCR 210/F/C/Y/U ASPH	273920.63S 0230012.02E	3876 FT	-0.55%
SWY Dimensions (M)	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
6 x 23	228 x 100	2456 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL	See below
6 x 23	207 x 100	2456 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL	See below
Warning: Blasting at Sishen Mining Area, MON-SUN: 0600-1700 - within 1 NM radius 273900S 0230000E. Danger height 2000 FT GND NW corner. FAR 25 UNL/GND 2 NM SE. NOTE: RWY THR 17 turn pad removed permanently.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
17	2325	2553	2331	2325	NIL
35	2325	2532	2331	2325	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, LEN, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
17	NIL INFO AVBL	Green	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	Spacing: 100M White INTST: 10%	Red	NIL INFO AVBL	RWY lighting available
35	NIL INFO AVBL	Green	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	Spacing: 100M White INTST: 10%	Red	NIL INFO AVBL	RWY lighting available

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	SSV	113.6 MHz	H24	273907.83S 0230010.99E	NIL INFO AVBL	NIL
DME	SSV	CH 83X	H24	273907.83S 0230010.99E	3887 FT AMSL	Co-located with VOR

AD 2.20 LOCAL AERODROME REGULATIONS

1) Pilots and operators wanting to make use of Sishen Airport shall apply with the Sishen Airport Manager for written approval at least 24 hours before estimated time of intended MOV by requesting application documentation via email to liana.blaauw@angloamerican.com, jacky.booys@angloamerican.com and flysishen@angloamerican.com.
2) Failure to obtain the required written approval shall result in the following penalties:
– A fine amounting to R 5000 shall be imposed upon the operator or the registered owner of the ACFT;
– The incident shall be reported to SACAA by Sishen Airport;
– Note that unauthorised MOV at the AD may jeopardise insurance cover over the ACFT and/or occupants;
– Sishen Airport Manager reserves the right to decline an application for operating to Sishen Airport, such as in the event that the ETA / ETD are outside of the operational hours of the aerodrome and apron parking space is fully booked. Approval of an application cannot be guaranteed.
3) The airport charges landing and PAX fees as per the guidelines for airport charges stipulated in the Government Gazette.
4) After hour access to the airfield property is restricted. The runway is AVBL for ACFT related EMERG at own discretion.
5) Pilots and operators utilising the AP are responsible and shall ensure the safe management and MOV of their respective PAX, especially DRG embarkation and disembarkation.
6) Pilots and hostesses shall wear reflector vests when on the apron.
7) Pedestrian pathways are provided from the access gate leading to the airside up to the edge of the apron taxi lane of each of the five aircraft parking stands. No passengers may board or disembark when another aircraft is in the process of parking or departing. Pilots are to lead their PAX to/from disembarkation and embarkation.
8) Talking on a cell phone while embarking / disembarking of ACFT is strictly prohibited. Pilots are to ensure this rule is enforced with PAX.
9) Sishen Airport is an unmanned airport without ATC. ACFT to broadcast on 123.5 MHz when in Sishen airspace.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

1. All arrivals in IMC (Cloud base below TAA):
Cloud base below the TAA, all arriving aircraft shall route via the IAF for the RNAV (GNSS) RWY 17 and comply with the approach.
2. All departure in IMC (Cloud base below TAA):
Cloud base below the TAA, all aircraft shall plan to depart RWY 17.
3. All arrivals and departure in VMC (Cloud base above TAA/MSA):
For all arriving and departing aircraft, the prevailing wind will determine the runway is use.
The departing aircraft shall use the runway with the headwind component, all arriving aircraft will slot into the traffic pattern and shall land on the same RWY as the departing traffic.

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
Aircraft parking/Docking chart	-AD-02
Visual ARR Chart RWY 17/35	-VFR ARR-01
Visual DEP Chart RWY 17/35	-VFR DEP-01
RNAV (GNSS) RWY 17	-RNAV-01
Data tabulation	-RNAV-01A

FASZ

FASZ AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FASZ - SKUKUZA

FASZ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	245740.76S 0313519.77E Mid-point of aerodrome
2	*Direction and distance from city*	1.5NM N of Skukuza
3	*Elevation/Reference temperature*	1040FT / 28ºC
4	*Geoid undulation at AD ELEV PSN*	45FT
5	*MAG VAR / Annual change*	20ºW (2018) 0º7' W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address.*	PRIV AD - Skukuza Airport Management Company (Pty) Ltd P O Box 463 Skukuza, 1350 TEL: +27 13 590 9196 Head Office TEL: +27 11 451 7300 APM: Karen McDulling E-mail: kmcdulling@flyairlink.com Website: www.skukuzaairport.com
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

FASZ AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-SUN: 0700-1300 including public holidays.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	JET A1 available with prior arrangement.
9	*Handling*	Airlink (PTY) LTD, MON-SUN: 0700-1300 including public holidays.
10	*Security*	Skukuza Airport Management Company (SAMC)
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

FASZ AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	JET A1
3	*Fuelling facilities and capacity*	Request from skukuza@flyairlink.com 48 hours prior to arrival
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

FASZ AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Skukuza Rest Camp and Kruger Gate Hotel
2	Restaurants	Cattle Baron, Skukuza Rest Camp and Kruger Shalati Restaurant
3	*Transportation*	Ground transport - NIL. AVIS Rent-a-Car may be of assistance - prior notice TEL: +27 13 735 5651
4	*Medical facilities*	Skukuza Medical Practice, Skukuza Village
5	*Bank and Post Office*	First National Bank and SA Post Office, Skukuza Rest Camp
6	*Tourist office*	NIL
7	*Remarks*	NIL

FASZ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT V
2	*Rescue equipment*	1x MAN 9000 6x6 fire truck (Foxtrot 3) with: 1 driver/operator and 2 branch men, Jetfoam 6 6%, 1 Dry Chemical Powder and branch operator, 8000L water carrying capacity, 1000L foam, 225KG Dry Chemical Powder mounted on vehicle, discharge 4000 L/MIN. 1x MAN 9000 6x6 fire truck (Foxtrot 2) with: 1 driver, 1 pump operator, 2 branch men, Tridol S3 3%, 8000L water carrying capacity, 1000L foam. 1x MAN 9000 6x6 back-up fire truck (Foxtrot 4) with: Foam from Foxtrot 2 to be transferred Manpower as per Foxtrot 2 1x first response vehicle minimum 1x fire fighter. 1x 250KG dry chemical powder on trailer with nitrogen cylinder. 2x 10KG mobile carbon dioxide units. 2x 50KG mobile Dry Chemical Powder.

3	*Capability for removal of disabled aircraft*	The AD does not have EQPT for ACFT removal, but an MOU has been agreed with Cozani Holdings CC to supply cranes, low bed trucks, operators and any additional equipment required for the removal of wreckage/ACFT up to 45 tons MAUW.
4	*Remarks*	HOD: 0700 - 1300 Spokesperson in an EMERG: Mr de Villiers Engelbrecht Contact details: +2711 451 7300 Email:dev@flyairlink.com

FASZ AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	Asphalt and concrete/PCR 353/R/C/Y/T.
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	TWY holding point North 15.725M, Asphalt, PCR 290/F/C/Y/T TWY holding point South 15.199M, Asphalt, PCR 290/F/C/Y/T TWY loop North 19.842M, Asphalt, PCR 290/F/C/Y/T TWY loop South 19.20M, Asphalt, PCR 290/F/C/Y/T
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

FASZ 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL

FASZ AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
FASZ1	Tree	245715.66S 0313510.34E	1057.356 FT	NIL	Area 2b
FASZ15	Tree	245717.96S 0313506.14E	1053.251 FT	NIL	Area 2b
FASZ16	Tree	245715.48S 0313504.99E	1054.518 FT	NIL	Area 2b
FASZ17	Tree	245714.29S 0313501.38E	1051.900 FT	NIL	Area 2b
FASZ18	Tree	245711.66S 0313504.25E	1052.244 FT	NIL	Area 2b

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
FASZ13	Tree	245722.38S 0313508.58E	1043.786 FT	NIL	NIL
FASZ15	Tree	245717.96S 0313506.14E	1053.251 FT	NIL	NIL

FASZ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

FASZ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
17	156°T	1550 x 30	ASPH PCR 290/F/ C/Y/T	245719.09S 0313508.98E	1034FT	0.008D
35	336°T	1550 x 30	ASPH PCR 290/F/ C/Y/T	245802.42S 0313530.57E	992FT	0.008U
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
122 x 30	272 X 90	1795 X 90	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL	153 X 90	1795 X 90	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
Remarks: - Circuit direction: - RWY 17: Left hand, - RWY 35: Right hand.						

FASZ AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
17	1550	1822	1672	1550	NIL
35	1550	1703	1550	1550	NIL

FASZ 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, INSTST*	*RWY Edge LGT LEN, spacing, colour, INSTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
17	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
35	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

FASZ AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

FASZ AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

FASZ AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	NIL INFO AVBL
2	*Vertical limits*	NIL INFO AVBL
3	*Airspace classification*	NIL INFO AVBL
4	*ATS unit call-sign Language*	NIL INFO AVBL
5	*Transition altitude*	NIL INFO AVBL
6	*Remarks*	NIL

FASZ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequencies*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FASZ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OPS (VOR/ ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME Transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FASZ AD 2.20 LOCAL AERODROME REGULATIONS

1. Refer to Landing application and Indemnity on the airport website at www.skukuzaairport.com

FASZ AD 2.21 NOISE ABATEMENT PROCEDURES

1. Refer to Pilot briefing on the airport website at www.skukuzaairport.com

FASZ AD 2.22 FLIGHT PROCEDURES

All aircraft inbound/outbound aerodrome to maintain a listening watch and broadcast regular PSN reports on Sabi-Sands Special Rules Area 128.35 MHz.

FASZ AD 2.23 ADDITIONAL INFORMATION

PN BFR LDG must be obtained at least 48 hours (2 working days) in advance. REQ in writing to Skukuza AP management company. Indemnity form for REQ permission for LDG is AVBL FM TEL: +27 11 451 7350 / 7488 or +27 13 590 9196, email: skukuza@flyairlink.com or website: www.skukuzaairport.com. Landing Application and Pilot Briefing are available on www.skukuzaairport.com. Details must include: date of OPR, TYP and REG, MAX TKOF WT, ACN, name of pilot in command, name of the OPR and address. Penalties for non-authorised landings will be levied.
Low visibility operations not applicable.

FASZ AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
RNAV RWY 17	-RNAV-01
RNAV RWY 17	-RNAV-01A
RNAV RWY 35	-RNAV-02
RNAV RWY 35	-RNAV-02A

FATF

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FATF - TOMMY'S FIELD

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	281600.00S 0230000.00E Mid-point of aerodrome
2	*Direction and distance from city*	5 NM NW of Postmasburg
3	*Reference elevation/Reference temperature*	4360FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	20°W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	PUB AD CHF: ASSMANG LIMITED P.O MANCORP MINE, BEESHOEK, 8423 TEL: Mancorp Mine: +27 53 311 6547 FAX: +27 86 731 7921 Contact person: Ronel van Rensburg E-mail: Ronel.vanRensburg@assmang.co.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: MON-FRI 0445-0545, 0930-1030 and 1500-1545
2	*Customs and immigration*	NIL INFO AVBL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL INFO AVBL
8	*Fuelling*	NIL INFO AVBL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	Jet A1 AVBL
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Limited lounge facility available at airport
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	AVIS Car Rental Service AVBL at the Airport
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL Baggage Handling Services

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 3
2	*Rescue equipment*	Standard rescue equipment carried on fire tenders
3	*Capability for removal of disabled aircraft*	Contracted in as per AEMS Mutual Aid Agreement, Policies and Procedures
4	*Remarks*	Rescue and Fire Fighting Services are provided at Tommy's Field Airport only during the following times: 4.1 MON-FRI 0445-0545 and 1400-1500 MON and FRI: 1000-1100 4.2 Tommy's Field Airport does not and cannot guarantee that Rescue & Fire Fighting Services will be available outside of the above operational times. 4.3 Not AVBL outside operational hours indicated above

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Pilots and operators utilizing Tommy's field airport shall ensure that aircraft are parked within designated parking bays and are manoeuvred in an orderly and safe manner.

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.*	Tommy's field airport has two (2) parking Power-in / Power- out self parking aircraft stands on the apron. Due to no marshalling service available a yellow lead-in line, alignment bar and stop bar/ line is provided on the left side of the aircraft to be aligned with the left shoulder of the captain of the aircraft is safely positioned on stand
2	*RWY and TWY markings and LGT*	Threshold, End & Edge Lights Available
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	Pilots and operators utilizing Tommy's field airport are responsible for and shall ensure the safe management and movement of their aircraft and respective passengers flown or to be flown on their aircraft to/from Tommy's field airport, especially during embarkation and disembarkation.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
03	010°T/030°M	1460 x 15	ASPH LCN 14	281559.50S 0225930.81E	4324FT	NIL INFO AVBL
21	190°T/210°M	1460 x 15	ASPH LCN 14	281512.75S 0225940.01E	4329FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
41	83	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
26	107	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
RWY 03/21 is 1460 x 15M with inner 10M Asphalt Circuit Procedures: RWY 03 - Left hand circuit RWY 21 - Right hand circuit RWY 03/21 - Slope1:500 (0.2)						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
03	1460	1543	1501	1460	NIL
21	1460	1567	1486	1460	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
03	NIL INFO AVBL	Green W/Bar	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	1500M, 50M white	Red	NIL INFO AVBL	NIL
21	NIL INFO AVBL	Green W/Bar	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	1500M, 50M white	Red	NIL INFO AVBL	NIL
RWY lighting AVBL.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

WARNING: Blasting takes place WEST, 10 NM SOUTH of RWY 03/21 and 8 NM NW of Postmasburg
MON-FRI: 0500 - 1800
see AIC 007/2018

Pilots & Operators wanting to make use of Tommy's Field Airport shall apply with the Tommy's Field APM for permission and approval at least 24 hours before estimated time of intended movement by E-Mail to:
Ronel van Rensburg (Ronel.vanRensburg@assmang.co.za)
Mduduzi Malinga (Mduduzi.Malinga@assmang.co.za)

Also providing the following flight information:
1. Date of intended movement;
2. Type on intended movement (landing, landing & night stop or departure);
3. Name and contact details of the Operator;
4. Type of Aircraft
5. Aircraft Registration, and
6. Souls onboard (Crew & Pax)

Failure to obtain the required permission and approval from the Tommy's Field APM shall result in the following penalties:
7. A fine to the amount of R5 000-00 shall be imposed upon the Operator or Registered Owner of the Aircraft.
8. Tommy's Field Airport Shall report the Operator, Pilot and Registered Owner of the Aircraft to the SACAA, and
9. Note that unauthorized movement at Tommy's Field Airport may jeopardise insurance cover over the aircraft and/or occupants.

FATF Airport Manager reserves the right to:
10. Decline approval to/from FATF where the ETA /ETD is outside of the operational hours reflected above;
11. When the landing slots are fully booked, and/or
12. When the apron parking space is fully booked.

Access to the airfield property is restricted after hours (MON - FRI and SAT - SUN between 1430 - 0500). The AD is AVBL for aircraft related emergencies at own discretion but must be reported to the Airport Manager & SACAA.

WARNING:
Blasting in vicinity of Airport Area MON – SUN sunset to sunrise within 1 NM radius.

Suggested Minimum safe altitude as per AIC 007/2018 is 5000 FT AGL.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FATT

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FATT - TUTUKA POWER STATION

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 264642.80324S 0292018.23872E
2	*Direction and distance from city*	13 NM E of Standerton
3	*Reference elevation/Reference temperature*	ELEV: 5313 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	18º W (2003)
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Private AD CHF: ESKOM Private Bag X1091, Johannesburg, 2000. Tel: +27 11 800 3087 Telex: 4-24481 SA
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: H24
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Cooling Tower	NIL INFO AVBL	HGT 425 FT	OBST LGT	870 M E
NIL INFO AVBL	Cooling Tower	NIL INFO AVBL	HGT 985 FT	OBST LGT	1340 M E

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
04	018°T	1500 x 18	ASPH LCN 15	NIL INFO AVBL	5313 FT	Remark 2.
22	198°T	1500 x 18	ASPH LCN 15	NIL INFO AVBL	5303 FT	Remark 2.
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
Remarks 1) TPI: RWY 04 Left - RWY 22 Right. 2) RWY 04 + 0.87% to 645M, then -0.99% to Threshold 22..						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
04	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
22	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, spacing, colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
04	NIL INFO AVBL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
22	NIL INFO AVBL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
RWY and APCH lighting available. Remote Switching: 3 clicks on microphone button on 122.2 MHz switches lights ON. Lights switch OFF after 15 minutes.									

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL

4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01

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FATW

FATW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FATW - TSWALU GAME RESERVE

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	271210.10S 0222851.00E
2	*Direction and distance from city*	78km NW (bearing 314°) of Kathu, 99km WNW (287°) of Kuruman.
3	*Reference elevation/Reference temperature*	3918 FT
4	*Geoid undulation at aerodrome elevation position*	97.3 FT
5	*MAG VAR* *annual change*	20°W 0,5° W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Tswalu Kalahari Reserve (Pty) Ltd P.O. Box 1081 KURUMAN, 8460 TEL: +27 53 781 9211 FAX: +27 53 781 9220 E-Mail: lw.vandermerwe@tswalukalharl.com Website address: www.tswalu.com
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Private unmanned aerodrome – use of facilities by prior arrangement only

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	NIL INFO AVBL
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL INFO AVBL
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel and Oil types*	Jet A1
3	*Fuelling facilities and capacity*	Over & under wing/18000L - Prior permission to be obtained.
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL
2	*Restaurants*	NIL
3	*Transportation*	By prior arrangement.
4	*Medical facilities*	Reserve Clinic 1.5 km
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 3
2	*Rescue equipment*	6000L Foam/650kg Powder.
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	RFFS hours of operation: by prior arrangement only. 6 Personnel per shift.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete (40mpa; Ref 245 reinforcing mesh)
2	*Designation, width, surface and strength of taxiways*	North taxiway 10m wide, tarred. South taxiway 9.4,m concrete (40mpa; Ref 245 reinforcing mesh)
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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.*	Use of ACFT stand ID signs: Limited Use of TWY guide lines: Limited
2	*RWY and TWY markings and LGT*	NIL
3	*Stop bar*	NIL
4	*Remark*	Pilots of overnight or long term parking aircraft to adhere to parking spot designations from Airport manager.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
High Ground -1500 m North-east - mountain of +/- 100 m. - 500 m West - dune of +/- 12 m. - 98m 040 deg 1100 m - 97m 080 deg 900m -170m 085 deg 1600m -160m 015 deg 2300 m - 062m 270 deg 1900m - 063m 250 deg 2800m -180m 195deg 5000m					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY	*TRUE& MAG BRG*	*Dimensions of RWY(M)*	*Strength (PCN) and surface of RWY and SW*	*THR coordinates RWY end coordinates THR geoid undulation*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
18	160°	2030 X 20	PCN 53/F/B/X/T	271138.99S 0222838.12E	3894 FT	0.0036U
36	340°	2030 X 20	PCN 53/F/B/X/T	271240.88S 0222903.62E	3918 FT	0.0036D
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

- Total Apron Size is 50 M x 60 M with tarmac surface.
- RWY 18 Safe visual approach slope 3° RWY 18 RNAV APP slope 2.94°
- RWY 36 Safe visual approach slope 3° RWY 36 RNAV APP slope 2.9°
- Slopes on runways: 1:120 - longitudinal
- 1:200 - Transverse.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
18	2030	2030	2030	2030	NIL
36	2030	2030	2030	2030	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
18	NIL INFO AVBL	Green	PAPI AVBL	NIL INFO AVBL	NIL INFO AVBL	White	Red	NIL INFO AVBL	See below
36	NIL INFO AVBL	Green	PAPI AVBL	NIL INFO AVBL	NIL INFO AVBL	White	Red	NIL INFO AVBL	See below
RWY Lighting on RWY 18/36. PAPI 's on RWY 18/36.									

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	AVBL, NIL auto switch over.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	AD-01

FATZ

FATZ AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FATZ - TZANEEN

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 2349.8S 03019.0E
2	*Direction and distance from city*	10 NM E of Tzaneen
3	*Reference elevation/Reference temperature*	1914 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	15º W (2006)
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: Private AD CHF: Transitional Local Council, P. O. Box 24, Tzaneen, 0850. TEL: +27 83 629 3503 FAX: +27 15 307 4872 E-mail: sievel@tzaneen.gov.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Landing fees for single engine ACFT R50, Twin engine ACFT R100 and parking fees R30 a day.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ (HN - PPR)
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	Supplier: ENGEN/Letaba Aircraft Maintenance. TEL: +27 015 304 3142. AFT HR: +27 83 629 4917 / +27 83 630 3506 HOD: MON - FRI: 0600 - 1430. SAT/SUN: 0600 - 1300. PUBLIC HOL: Same as weekends. Pilots are to contact supplier to establish fuel availability.
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL

11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS100, OIL: W100. No credit cards will be accepted for payment of AVGAS fuel. Only cash and bank guaranteed cheques will be accepted.
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Tower	NIL INFO AVBL	HGT 27 FT	LGT	BTN TWY and Hangar

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
06	050º (T)	1420 x 20	ASPH LCN 10	234936.20S 0301917.03E	1914 FT	2.28D
24	230º (T)	1420 x 20	ASPH LCN 10	234906.46S 0301955.99E	1808 FT	2.28U
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	Night ops: PPR from CHF during office hours.
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
06	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
24	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ,LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, spacing, colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
06	NIL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
24	NIL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
Remarks: RWY lighting AVBL dusk-dawn - controlled by automatic light intensity switch.									

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL

2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01

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FAUL

FAUL AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAUL - ULUNDI - PRINCE MANGOSUTHU BUTHELEZI

FAUL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	281910.10S 0312501.40E
2	*Direction and distance from city*	1 NM S
3	*Elevation/Reference temperature*	1720 FT
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	23° (2010)
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	PUB AD CHF: Directorate: Aviation Services, Kwazulu-Natal Government, Prince M Buthelezi Airport PO Box 9, ULUNDI, 3838. APM TEL: +27 35 870 9408 APM (A/H) +27 82 902 6029 FAX: +27 35 870 9414 AP Security: +27 35 870 9408 Mobile: +27 82 9026029 Avionic's fault reporting: +27 35 870 9404
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

FAUL AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	AD Operational hours: HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	HOD: MON-FRI: 0600-1415
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

FAUL AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

FAUL AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	Restaurants	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

FAUL AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT II: MON-FRI 0600-1430, SAT-SUN and Public Holidays: NIL.
2	*Rescue equipment*	NIL INFO AVBL
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	NIL

FAUL AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	NIL INFO AVBL
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	NIL INFO AVBL
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

FAUL 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL

FAUL AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	S281806 E0312706	HGT 40 FT	NIL INFO AVBL	NIL INFO AVBL
NIL INFO AVBL	Radio mast	S281912 E0312527	1732 / 125 FT	Day/NGT Markings	600M E of RWY 05/23

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAUL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

FAUL 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 APP RWY*
1	*2*	*3*	*4*	*5*	*6*
05	034	1640 x 23	ASPH LCN 20	281931.20S 0312445.75E	1680 FT
23	214	1640 x 23	ASPH LCN 20	281847.29S 0312519.75E	1722 FT

Designations RWY NR	*Slope of RWY-SWY*	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*
1	*7*	*8*	*9*	*10*	*11*
05	+0.78%	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
23	-0.78%	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

- ACFT must adhere to RWY's and TWY's.

Note: Longitudinal slope changes 3,1% at approx mid point.
- RED obstruction lights fitted to AD fence on approach RWY 23.
Night Operations
For night operations the pilot must hold a valid instrument rating and be familiar with the immediate surroundings of the airfield. Instrument approach procedures must be used for letdown.

Warning: Blasting takes place 5NM SSW. MON-FRI 1000-1015 and 1500-1515.
- 180° Turns on RWY's and TWY's prohibited
- All grass areas prohibited for ACFT OPS.

1. ACFT parking is restricted to parking in demarcated bays only. - Parking of ACFT on TWY in front of terminal building prohibited.
2. **Circuit procedure**: RWY 05: Right hand circuit; RWY 23: Left hand circuits.
3. RWY 02/20 permanently CLSD

FAUL AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
23	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAUL AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type LEN* and *INTST*	*THR LGT colour* and *WBAR*	*VASIS (MEHT) PAPI*	*TDZ LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
05	NIL	Green	NIL	NIL	NIL	1640M; 60M White last 550M yellow	Red	NIL	
23	NIL	Green W/bar	PAPI	NIL	NIL	1640M; 60M White	Red W/bar	NIL	
- Remote Switching: RWY and PAPI. 3 clicks on microphone button on FREQ 130.0MHz switches the lights on. 5 & 7 clicks will increase intensity. Lights will remain on for 15 minutes. - PAPI RWY 23 left side only 3.2°. - RWY 23 first 500M LIH									

FAUL AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

FAUL AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL

6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

FAUL 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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

FAUL AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

FAUL AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/ MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
UHF DME	UL	1188 MHz transmits and 1125 MHz receives.	H24	281854.2S 0312514.0E	NIL INFO	PWR output 75 W.

FAUL AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

FAUL AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FAUL AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

FAUL AD 2.23 ADDITIONAL INFORMATION

Monday to Friday 0300 - 0900. Grass cutting taking place along the RWY. Fire and Rescue will escort in rescue vehicle and be listening on 124.8 MHz for blind reports on intentions to land.

FAUL AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01

FAUP

FAUP AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAUP - UPINGTON INTERNATIONAL

FAUP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	282403.68S 0211534.78E
2	*Direction and distance from city*	2.5 NM NE
3	*Elevation/Reference temperature*	2791 FT/30.5 C
4	*Geoid undulation at AD ELEV PSN*	102.2 FT
5	*MAG VAR /* *Annual change*	20°W (2018) 0°4' W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority supervising the aerodrome and remarks: PUB AD CHF: Airports Company South Africa Ltd Upington International Airport Diedericks road P/Bag X 5936, Upington, 8800. Information Centre TEL: +27 54 337 7900 available 0500-1630 Local Airport Manager: Sakhumzi Baba TEL: +27 54 337 7912 E-mail: Sakhumzi.Baba@airports.co.za Manager Airfield Services: Conwill Willemse TEL: +27 54 337 7931 Cell: +27 82 829 0862 E-Mail: Conwill.Willemse@airports.co.za Manager Maintenance: George Brand TEL: +27 54 337 7905 Cell: +27 72 274 5726 E-Mail: George.Brand@airports.co.za Assistant Manager Fire and Rescue: Marius Valla Cell: +27 79 512 3396 E-Mail: Marius.Valla@airports.co.za RFFS Watch room: TEL: +27 54 337 7908 / 32 Acting Assistant Manager Security: Refilwe Kock TEL: +27 54 337 7928 Cell: +27 84 389 0458 E-mail: Refilwe.Kock@airports.co.za Senior Safety Compliance Officer: Gwen Wessels TEL: +27 54 337 7951 Cell: +27 66 398 2121 E-Mail: Gwen.Wessels@airports.co.za

		ATNS CO Ltd: P.O. Box 1810, Upington, 8800 ATC Cell: +27 66 512 2688 Tel: +27 54 331 1363 E-Mail: upatc@atns.co.za MET ADMIN TEL: +27 54 332 2187 MET TEL: +27 84 279 1161 E-Mail: faup@weathersa.co.za CUSTOMS P.O. Box 1801, Upington, 8800 Cell: +27 82 828 6655 or +27 79 694 3657 E-Mail: nsilwana@sars.gov.za Immigration P/Bag X5885, Upington, 8800 TEL: +27 86 661 6633 Cell: +27 76 987 3944 (After hours) FAX: +27 86 661 6633 E-Mail: corneliaminnies@dha.gov.za Ports of Entry: P/Bag X5986, Upington, 8800 TEL: +27 54 338 8411 Cell: +27 82 469 6329 E-Mail: leschan@saps.gov.za Department of Health: P/Bag X 5900, Upington, 8800 After hours: +27 73 883 7590 E-Mail: Moipone.sebate@health.gov.za
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	International airport status.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	Admin: Office: MON-FRI: 06:00-1430 AD HOD: MON-FRI: 0500-1630, SAT: 0600-1130 and SUN 1000-1630. Public holidays same as corresponding weekday. Aerodrome available as an unmanned airfield outside the published HOD, apron office: MON-FRI: 0500-1630, SAT 0600-1130 and SUN 1000-1630, Public holidays same as corresponding weekdays. Aerodrome available as an unmanned airfield outside the published HOD.
2	*Customs and immigration* *Border Police (Ports of Entry)*	MON-FRI 0530-1400. H24 on call-out, immigration after hours applicable. Ref FAUP AD 2.20 MON-FRI 0530-1400. H24 on call-out, Ref FAUP AD 2.20
3	*Health and sanitation*	MON-FRI 0530-1400. On call-out TEL: +27 54 331 2120
4	*AIS briefing office*	Contact FAOR briefing on +27 86 035 9669 or +27 11 928 6518.
5	*ATS reporting office (ARO)*	As ATS
6	*MET briefing office*	NIL AVBL. Pilots to CTC FABL.

7	*ATS*	MON-FRI: 0500-1630, SAT: 0800-1130 and SUN: 0930-1630. Public holidays same as corresponding weekdays.
8	*Fuelling*	MON-FRI: 0500-1600, SAT: 0600-1100 and SUN: 0900-1600 Before and after these times call out fee applicable @ R2500-00 per call out. Cell: Work hours +27 72 218 5496 / +27 71 686 9814 David Swarts +27 76 627 7931 / +27 71 826 7388 Request can be e-mailed to david.swarts@pumaenergy.com All scheduled aircraft have priority for refuelling. Pilots to allow a minimum call time of 45 minutes.
9	*Handling*	Upington Ground Handling Co Ltd HOD: 24 HR per day. (on request) Operations Manager: Brandon Nel CELL: +27 79 059 2059 Pieter Wright CELL: +27 61 425 9939 Pieter@ughc.aero
10	*Security*	Airport Security: H24, TEL: +27 54 337 7907 SAPS in town: +27 54 337 3469 or +27 54 337 3400. SAPS (Border): HOD: 0600-1400 AVBL on Call-out. TEL: +27 54 338 8411 (Switchboard) or +27 82 416 9789 (Standby)
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	Request for service outside AD HOD to be addressed as FLW: Fire Service: Manager Airfield Services ATC Services: At AD - Manager Airfield Services Airspace - ATNS Operations/CAMU Section. Refuelling: Puma Aviation as per NR 8 Handling: Upington GND Handling as per NR 9 Ad hoc extensions to airport and ATC (ATNS) hours of operation. After hours services rendered will be subject to payment of additional cost by the operator. The applicant must route his relevant request to the Airport Authority who must in consultation with the relevant ATNS ATSU Chief, approve or reject the request. Notification of the request must reach the Airport Authority at least 7 working days in advance of the intended effective date.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	FMC Main deck, Loader 16 tons FMC Lower deck, Loader 10 tons. GPU 28 Volt DC, 115-200 volt AC 400Hz. Tractor & Dollies, multipurpose steps and forklift.
2	*Fuel and Oil types*	AVGAS 100; AVTUR (JET A-1); OIL: AERO 100. Supplier: Puma Energy
3	*Fuelling facilities and capacity*	Hydrant refuelling system available
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL on AD. Limited on call out from town
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL on AD. Hotels and guest houses available in town. CTC tourist info. (See AD 2.5 (6))
2	Restaurants	All restaurants in town.
3	*Transportation*	No public transport available. Car hire AVBL
4	*Medical facilities*	No ambulance at AD. AVBL within 5KM. Limited first aid kit facilities. Nearest hospitals: MediClinic (8KM). Provincial hospital (9KM).
5	*Bank and Post Office*	NIL at airport
6	*Tourist office*	TEL: Dawid Kruiper Tourist Info: +27 54 338 7000
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Total of 10 fire fighters split into two shifts consisting of 5 fire fighters per shift. CAT 5 during AD hours, two alternating shifts 5 fire fighters minimum per shift. Can upgrade to CAT 6. CAT 6 minimum of 7 fire fighters. Change of Aerodrome category implemented by means of NOTAM, seven (07) days prior to commencement of cargo operations. Staff compliment, vehicles and equipment as per requirement for CAT 6.
2	*Rescue equipment*	CAT 5 - Equipment as per ICAO Doc 9137-AN/898 Part 1 Table 5.2 for CAT 3 - 5 airport category. CAT 6 - Equipment as per ICAO Doc 9137-AN/898 Part 1 Table 5.2 for CAT 6 - 7 (cargo aircraft reclassification) airport category. CAT 5 - 1 Fire truck carrying 8000L water, 1000L 6% foam concentrate, 250KG Dry Chemical Powder. CAT 6 - 2 Fire trucks
3	*Capability for removal of disabled aircraft*	MOU in place with: Kallie's Panel beaters with Equipment 50 tonne crane, 3.5 tonne telehandler and 4.5 tonne telehandler McDonalds Transport with equipment: 80 tonne crane and 9.5 ft lowbed.
4	*Remarks*	Aircraft above CAT 5 operating to the airport must apply 7 days prior to the expected date of operations as per AIC 40.1.1 of 01-07-15.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Occasional fog bound during winter.

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength (PCR) of aprons*	Apron A surface: ASPH, Strength: PCR 520/R/B/W/U Apron A hard stand: Concrete, Strength: PCR 520/R/B/W/U Apron B surface: ASPH, Strength: PCR 520/R/B/W/U Apron B hard stand: Concrete, PCR 520/R/B/W/U
2	*Designation, surface and strength (PCR) of taxiways*	TWY A1 30M, B1 20M and E1 25M, strength ASPH PCR 520/F/B/X/U TWY G1: 30M PCR 520/F/B/X/U TWY F1 30M PCR 520/F/B/X/U TWY H1 20M PCR 520/F/B/X/U TWY E1: and G1 primarily for SAAF use PCR 520/F/B/X/U. RWY 08/26 width 30M and strength ASPH PCR 520/F/B/X/U doubles as a TWY. -RWY 26 SWY ASPH -TWY H, TWY F GA hangers, ASPH PCR 520/F/B/X/U.
3	*Altimeter checkpoint location and elevation*	Co-ordinates: 282438S 211550E Elevation: 840M
4	*VOR checkpoints*	116.5 MHz 282406.31S 0211537.48E 2745 FT Let down radial 168 intercepts centreline RWY35 approx. NM from TWR
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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.*	Standard guidance signs and lines available on taxiways. Only guide in lines on Apron, follow the marshallers instructions. For aerodrome restricted visibility refer to chart AD - 02
2	*RWY and TWY markings and LGT*	Markings: RWY: THR, Centre Line, TDZ, Aiming Point. Edge LGTS. TWY: Centre Line, Holding Points. LIGHTS: RWY THR, END 7 EDGE LIGHTS, TWY A1, B1, G1, H1 Edge Lights: Colour: Blue, INTST: 30%.
3	*Stop bars*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	2 Steel towers	282700S0211802E 282647S0211758E	HGT 115 FT	NIL INFO AVBL	3 NM E of AD
NIL INFO AVBL	Vodacom mast	282840S0211527E	HGT 164 FT	red and white and lit at night	NIL
NIL INFO AVBL	Mast	NIL INFO AVBL	HGT 148 FT	unmarked	3.85 NM from THR RWY 35 and 435 M W of the extended centre-line RWY 35
NIL INFO AVBL	Mast	NIL INFO AVBL	HGT 164 FT	NIL INFO AVBL	radial 200, 5 DME UPV
NIL INFO AVBL	Power lines	NIL INFO AVBL	HGT 26.24 FT	NIL INFO AVBL	N to S, 250 M W THR SWY 26
NIL INFO AVBL	Cell C Mast	282721.90S 0211240.49E	HGT 31.37M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282449.44S 0211945.80E	HGT 44.25M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282504.73S 0211943.50E-	HGT 44.48M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282654.34S 0211414.27E	HGT 44.20M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282654.48S 0211332.26E	HGT 41.72M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282645.88S 0211320.64E	HGT 38.05M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282707.97S 0211233.54E	HGT 41.88M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282713.65S 0211243.75E	HGT 42.358M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282749.84S 0211148.36E	HGT 44.43M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282718.67S 0211148.93E	HGT 44.94M	NIL INFO AVBL	NIL
NIL INFO AVBL	Flood light	282644.32S 0211151.46E	HGT 45.57M	NIL INFO AVBL	NIL
NIL INFO AVBL	Mast Voortrek-kers	282656.09S 0211457.62E	HGT 36.66M	NIL INFO AVBL	NIL

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Prop Struture site	282357.56S 0211605.07E	HGT 4M	NIL INFO AVBL	NIL
OBST: -Fence: 8 FT high running parallel to RWY 08/26, 75 M S of RWY centre line, Extending 223 M E to 407 M W of THR RWY 08 1) View problem from TWR. Due to the position of the RWY 17/35 and the associated strips, large portions are not visible from the TWR. Operators are to take note that although landing and take-off clearances are issued by ATC, these clearances are based only on those portions of the runway and the associated strips that are adequately visible to ATC at the time the clearance is issued, as well as the known and reported situation on the runway and the associated strips.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FABL
2	*Hours of service* *MET Office outside hours*	0001 - 1800 & 2300 Forecasting 0330 - 1830 (+27 82 233 9100), FAOR (+27 82 233 9600/8800)
3	*Office responsible for TAF preparation* *Periods of validity*	FABL 24HR
4	*Trend forecast* *Interval of issuance*	Yes 3 Hourly
5	*Briefing / consultation provided*	NIL
6	*Flight documentation / Language(s) used*	Standard ICAO format English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL

9	*ATS units provided with information*	Yes
10	*Additional information (limitation of service, etc.)*	Flight documentation and other aviation related information AVBL on website page: http://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*True BRG*	*Dimensions of RWY (M)*	Strength of the pavement classification rating (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
17	153°	4900 x 60	520/F/B/X/U ASPH	282247.40S 0211507.60E	2782FT	0.004 D
35	333°	4900 x 60	520/F/B/X/U ASPH	282509.80S 0211628.00E	2711FT	0.004 U
08	060°	834 x 30	520/F/B/X/U ASPH	282417.74S 0211529.01E	2748FT	0.002 U
26	240°	834 x 30	520/F/B/X/U ASPH	282404.15S 0211555.26E	2753FT	0.002 D
01	350°	2438 x 46	520/F/B/X/U ASPH	282446.64S 0211538.08E	2723FT	0.01 U
19	170°	2438 x 46	520/F/B/X/U ASPH	282328.75S 0211522.07E	2791FT	0.01 D

SWY Dimensions (M)	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
360 x 60	360	5020 x 280	240 x 120	NIL INFO AVBL	NIL INFO AVBL	See below
360 x 60	360	5020 x 280	240 x 120	NIL INFO AVBL	NIL INFO AVBL	See below
95 x 30	150	954 x 150	90 x 90	NIL INFO AVBL	NIL INFO AVBL	See below
300 x 30	300	954 x 150	90 x 90	NIL INFO AVBL	NIL INFO AVBL	See below
0	60	2558 x 280	240 x 90	NIL INFO AVBL	NIL INFO AVBL	See below
0	60	2558 x 280	240 x 90	NIL INFO AVBL	NIL INFO AVBL	See below

Remarks 12
(1) Circuit - ALT: Turbine-powered ACFT 4500 FT ALT; reciprocating engine-powered ACFT 4000FT ALT
(2) Threshold RWY 26 displaced by 320 M and Threshold RWY 08 displaced by 675 M.
(3) 180 DEG turns only permitted at turning circles for HEAVY aircraft.
(4) A340-600 aircraft not permitted to operate at AD.
(5) RWY 08/26 available for take-off and landing during daylight and VMC. RWY to be used as a TWY during night and IMC.

AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
01	2438	2498	2438	2438	NIL
19	2438	2498	2438	2438	NIL
08	834	984	929	834	NIL
26	834	1134	1134	834	NIL
17	4900	5260	5260	4900	NIL
35	4900	5260	5260	4900	NIL

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 LEN, spacing, colour, INTST*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
17	NIL	Green	PAPI 3° L	NIL	NIL	60M white 30%	Red	NIL	Last 600M yellow
35	NIL	Green	PAPI 3° L	NIL	NIL	60M white 30%	Red	NIL	Last 600M yellow
01	NIL	Green	PAPI 3° L	NIL	NIL	60M white 30%	Red	NIL	Last 600M yellow
19	NIL	Green	PAPI 3° L	NIL	NIL	60M white 30%	Red	NIL	Last 600M yellow

1) Remote switching of RWY, TWY A1 and TWY B1 and PAPI (brightness PAPI 3%). 5 rapid clicks on microphone button on 121.3 MHz switches RWY 17/35 & RWY 01/19 LGT on. All lighting switched on by the ABV PROC will remain on for 15MIN where upon they will automatically switch off. If required the PROC may be repeated for a further 15MIN.
2) RWY 17/35 & 01/19 lights controlled by ATC and can be set pending on conditions or requests from pilots, diiferent settings available: 3%, 10%, 30% (normal setting) & 100%.
3) Note: The use of RWY 08/26 is a non instrumental RWY for use in daylight operations only

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL North of PAX apron: Yes North of PAX apron: NIL
3	*TWY edge and centre line lighting*	Edge: Blue
4	*Secondary power supply and switch-over time*	315 kVA Diesel powered generator as per ICAO requirements, 15 seconds change over time
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL

Remarks
1) No dedicated helicopter landing area, Helicopters to taxi or air taxi along RWY 01/19, TWY A1 to the apron where it will be parked at a separate location away from fixed wing aircraft.
2) Helicopters utilizing the aerodrome are to land/depart from TWY A1.
2.1) Approved helicopter operations at the aerodrome private hangers will land on/depart from N via TWY H1 avoiding any flying over the building structures.
2.2) Pilots must call security/apron services on frequency 122.65 MHz before departure and after arrivals to indicate the registration, point of departure and designation and persons on board.
2.3) Coordinates for the helipad 282430.33S 0211512.12E height 838.27M.
2.4) Helipad restricted to daylight operations only.
2,5) No solo flights from or to this helipad for trainee pilots.

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ: Circle with radius 8NM centered on 282406.31S0211537.48E
2	*Vertical limits*	GND/6000 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call-sign* *Language*	Upington tower English
5	*Transition altitude*	5500FT

6	*Remarks*	- Class C-Except where otherwise authorized, no aircraft is to be operated within this airspace unless two-way radio contact is maintained with air traffic control. - All VFR pilots to comply with Mandatory VFR Routing for Upington as per SA AIP ENR 2.2. If unable to comply, pilots to contact ATC prior to the flight for alternative arrangements.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Upington Tower	121.3 MHz transmits and receives	MON-FRI: 0500-1630, SAT: 0800-1130 and SUN: 0930-1630. Public holidays same as corresponding weekdays	Contact ATC for start-up and taxi clearance when parked on Apron A or Apron B
Apron Control	Upington Apron	122.65 MHz transmits and receives	As per fire and rescue services	Pilots to contact Upington Apron with regard to parking only.

AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/ MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Position of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	UPV	116.5MHz	H24	282406.31S 0211537.48E	2754 FT	Letdown radial 168 intercepts centreline RWY35 APRX 1NM from THR.
UHF DME	UPV	116.5MHz CH112X	H24	282406.31S 0211537.48E	2754 FT	Channel 112X co-located with VOR. Due to lobeing affect caused by small aperture DME antenna will result in limited range

AD 2.20 LOCAL AERODROME REGULATIONS

1) Call out procedure for Across Border Flight Clearance (International Flights)
a) Arriving International Flights
-The pilot in charge of an arriving international flight must ensure that Customs and Excise Immigrations, Border Police and the Department of Health, as well as the Airport Manager are informed of the flight at least one hour before landing.The following Information must have been provided to the relevant authorities.
Aircraft Registration
Pilot name
Point of Origin
Landing clearance Reference number
Number of people on board; Time of arrival

-After arrival, taxi clearance will be given to the pilot to taxi to an allocated parking bay on the main apron, in front of the terminal building. No international flight is to park at any other location than on the main apron.
-All cargo flights will park on the cargo apron "Apron A"
-Representatives from the relevant authorities will meet the aircraft, on arrival, at the allocated parking bay. Neither the pilot, nor any passenger or cargo, may leave the aircraft prior to all the relevant authorities present.
b) Departing International flights
-All international flights departing from Upington Airport will do so from the main apron, and only after such flight has been cleared by all relevant clearing authorities.
-The pilot in charge of a departing international flight will ensure that his aircraft is cleared, and parked on an allocated bay on the main apron prior to the arrival of any of the clearing authorities.
-The pilot in charge of a departing international flight must ensure that the clearing authorities, as well as the Airport Manager, are informed of the planned flight, at least one and half hours prior to the planned time of departure. The following Information must have been provided to the relevant authorities.
Aircraft registration
Pilot name
Point of destination
Number of people on board
Cargo shipped
Time of departure (ETD)
-Representatives of the relevant authorities will meet the pilot or the charter company in the departure hall of the terminal building at least fort-five (45) minutes prior to the ETD, in order to process clearance.
-No international flight is to depart prior to the clearance have been given by all relevant authorities.
-No international flight is to depart from General aviation area.
All Pilots from yellow fever or malaria identified countries should allow call-out time for the Department of Health to ensure their ACFT is thoroughly sprayed with airline insecticide. All persons in the ACFT should only disembark after the Department of Health give permission for them to do so.
The pilot can disinfect the aircraft en route but should provide canister as proof before opening the aircraft door.
2) All aircraft with a maximum take-off weight greater than 4500 KG requiring RWY 17/35 for take-off or landing are to advise FAUP Tower on FREQ 121.3 MHz 15 minutes prior to ETA/ETD.
3) Fixed wing TFC and HEL are REQ to arrange PRKG on APN A prior to DEP DRG HR of SER. CTC +2754 3377 908 or +2754 3377 910.
4) All cross border FLT to CTC AP prior to DEP on any of the FLW CTC:
Conwill Willemse: Manager Airfield Services: +27 82 829 0862
Marius Valla: Fire and Rescue +27 79 512 3396
Refilwe Kock +27 84 389 0458
All FLT must indicate country of origin, ACFT type, ACFT REG, Date of ARR, ETA,PAX, Pilots to obtain occurrence REF NR FM the AP security AFT CTC.
All cross border flights to submit Foreign Operator Permit / Over flight and Landing permits to Airport Authority prior to operations.
All aircraft parked on Apron A and Apron B must request start-up and taxi clearance from Upington ATC on frequency 121.3 MHz and not Upington Apron.

AD 2.21 NOISE ABATEMENT PROCEDURES

1. Noise abatement procedures for jet aeroplanes irrespective of weight and for propeller and turbo aeroplanes with MTOW of or above 11 000KG.
2. Noise abatement procedures for propeller and turboprop aeroplanes with MTOW below 11 000KG.
3. Noise abatement procedures for helicopters.
4. Use noise abatement procedure as per AIP ENR 1.5.

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

1) Small bucks are roaming AD at NGT, creating an aviation hazard. All NGT OPS EXER CTN, especially outside ATC HR of SER, Game will be chased during ATC HR of SER.
2) Bird hazard on AD. Pilots to EXER CTN.
3) No aircraft is allowed to occupy the stop way on RWY 26 whilst RWY 08/26 is active with take-off and or landing

AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart	-AD-01
Restricted Visibility Chart	-AD-02
Aerodrome Hotspot Chart	-AD-03
VOR RWY 35 Chart	-VOR-01
RNAV (GNSS) RWY 35	-RNAV-01
Data tabulation	-RNAV-01A

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AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAUS - ULUSABA

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	244656.0S 0312113.0E
2	*Direction and distance from city*	+/- 62 KM N/E from Hazyview.
3	*Reference elevation/Reference temperature*	1380 FT / 26°C
4	*Geoid undulation at aerodrome elevation position*	13.25 FT
5	*MAG VAR* *annual change*	18°12' W / 0°7'W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Ulusaba Private Game Reserve Wallingford Farm, Sabi Sands Nature Reserve Mpumalanga, South Africa TEL: +27 13 735 5460 / +27 71 870 8764 Email: reception@ulusaba.virgin.com Web: www.virginlimitededition.com
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	Private airfield, 24 hours prior notice required.

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	0700-1400
2	*Customs and immigration*	NIL
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	*Fuelling*	NIL
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

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

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Ulusaba Rock Lodge & Ulusaba Safari Lodge
2	*Restaurants*	Ulusaba Rock Lodge & Ulusaba Safari Lodge
3	*Transportation*	Ulusaba lodges collection and drop off at the aerodrome
4	*Medical facilities*	Paramedic available
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT III
2	*Rescue equipment*	Minimum of five firefighters on duty, primary fire tender with 1200L of water, 16800L of foam, 25KG fire extinguisher and 2 x 6KG CO2. Secondary fire trailer with 600L of water and 135KG of dry powder. 2 Standby vehicles (2-5 MIN from air-field) with 200% dry powder and 600L of Hydrax powder.
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	RFFS available between the hours of 0600-1400

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	Tractor and slasher
2	*Clearance priorities*	Twice a year
3	*Remarks*	Cleared up to 20 M from runway edge

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Apron available, Asphalt, PCN N/A.
2	*Designation, width, surface and strength of taxiways*	NIL
3	*ACL location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

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*	Runway markings only
3	*Stop bar*	Holding point markings only
4	*Remark*	Aircraft to park in designated parking areas only.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	NIL	NIL	NIL	NIL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	WDI: 244655.56S 0312115.88E

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE & MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
18	168°T/186°	1353 X 18	PCN N/A Asphalt	244636.56S 0312109.51E	1369FT	+0.06%
36	348°T/006°	1353 X 18	PCN N/A Asphalt	244719.25S 0312120.68E	1447FT	-0.06%

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
47M	47M	1465 X 41	NIL	NIL	NIL INFO	See below
47M	47M	1465 X 41	NIL	NIL	NIL INFO	See below
Remarks: No turning on the runway. No engine run-ups on the threshold of runway 36 are permitted. AD is not fenced. Pilots are to advise ETA prior to landing on FREQ 122.250 MHz- (Ulusaba Grounc) to ensure that animals are cleared from the runway before landing. Aircraft are to park in designated parking areas only.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
18	1353	1400	1400	1353	NIL
36	1353	1400	1400	1353	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INTST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
18	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
36	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL
2	*LDI location & LGT and anemometer location and LGT*	NIL
3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	24 46 55.68 S 031 21 13.14E FATO /TLOF Centre
2	*TLOF / FATO elevation (m/ft)*	429.1522105 M
3	*TLOF and FATO area dimensions, surface, strength, marking*	TLOF and FATO Dimensions: There are 2 Circles painted white and are 10M in diameter. Surface PCN N/A · Asphalt
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	30 M
6	*APP and FATO lighting*	N/A- No Lighting
7	*Remarks*	Refer AD 2.20

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

1. Private aerodrome, landing arrangements must be made and confirmed with Ulusaba Game Reserve prior to arrival (at least 24 hours).
2. The airfield is available to all aircraft bringing guests to the Ulusaba Game Reserve (Ulusaba Rock Lodge and Ulusaba Safari Lodge).
3. Prior permission is required if the aerodrome is utilised for guests to surrounding lodges.
4. No landing fees are applicable to all aircraft with Ulusaba Game Reserve guests, landing fees do apply if the aerodrome is used for surrounding lodges.
5. Ulusaba Ground is to be contacted at least 10 minutes prior to arrival on FREQ 122.25 MHz and an ETA must be provided to ensure that the aerodrome is cleared of animals.
6. No turning is permitted on the runway, turning areas are provided at each end of the runway for aircraft to be turned around on.
7. The designated apron is to be utilised for parking.

AD 2.21 NOISE ABATEMENT PROCEDURES

Ulusba Rock Lodge to the Southwest of the airfield and Ulubaba Safari Lodge to the South of the airfield. Surrounding lodges to the East of the aerodrome.

AD 2.22 FLIGHT PROCEDURES

1. Remain clear of the eastern side of the airfield.
2. All circuits and joining procedures are to be conducted to the west of the aerodrome.
3. Wide circuits should be flown to the West of the aerodrome to avoid the noise-sensitive areas to the Southwest of the aerodrome.
4. Airfield within the Sabi-Sands Special Rules Area unmanned radio broadcasts are to be completed on FREQ 128.35 MHz.
5. All outbound aircraft intending to climb above 6000FT must establish contact with Lowveld FIS on FREQ 119.0 MHz before getting airborne or at the latest passing 5000FT.

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FAUT

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAUT - MTHATHA

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	313246.49S 0284031.14E
2	*Direction and distance from city*	West 17 KM of Mthatha
3	*Reference elevation/Reference temperature*	2429 FT / 22.2º C
4	*Geoid undulation at aerodrome elevation position*	103.2 FT
5	*MAG VAR* *annual change*	27º W (2018) 0º10' W
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Department of Transport, Private Bag X5036, Mthatha TEL: +2747 536 0012/0204 or +2747 532 2443 ATC TEL: +2766 371 5108 TEL APM: +2779 927 3455 MET TEL: +2747 536 0938 MET CELL: +2784 279 1155 Voice Control COM System: +2747 536 0524
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0400-1600, SAT: 0400-1300, SUN: 1000-1600, Public HOL: same as weekdays
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	ATC HOD: MON-FRI: 0430-1600, SAT: 0530-1030, SUN: 1130-1630. Public HOL same as weekdays.
8	*Fuelling*	NIL
9	*Handling*	NIL INFO AVBL
10	*Security*	Operational hours: H24
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	NIL
3	*Fuelling facilities and capacity*	NIL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	None at airport. A number of hotels in the city ranging from one to five stars. Also a variety of guest houses, bed & breakfast units and holiday accommodation.
2	*Restaurants*	15 KM from airport in the central business district.
3	*Transportation*	Car rentals.
4	*Medical facilities*	15 KM from airport in the central business district.
5	*Bank and Post Office*	15 KM from airport in the central business district.
6	*Tourist office*	Shell Ultra City on the N2.
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT V, HOD: MON-FRI: 0400-1600, SAT: 0400-13:00, SUN: 1000-1600, Public HOL: same as weekdays.
2	*Rescue equipment*	Capacity: Water: 18 000L Discharge Rate Foam: 4 000 L/MIN Dry Chemical Powder: 500KG on vehicles & 250KG reserve. Discharge rate KG/sec: Panther Rescue 1 (6X6) 10 000 L/MIN. Foam 1000 @ 20 000L/MIN Supreme Buffalo Rescue 3 (6X6) 8 000 L/MIN Foam 1000 @ 16000 L/MIN.
3	*Capability for removal of disabled aircraft*	Bennies' Crane Hire – 40 ton - +27 83 644 7097 / +27 43 731 1355
4	*Remarks*	14 personnel, 7 personnel per shift and two vehicles.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	APN J1-8, Concrete, PCR 1220/R/A/W/T APN G, Concrete, PCR 1220/R/A/W/T
2	*Designation, width, surface and strength of taxiways*	TWY A, 23M, ASPH, PCR 2280/F/A/X/T TWY B, 23M, ASPH, PCR 2280/F/A/X/T TWY C, 23M, ASPH, PCR 2280/F/A/X/T
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Pre-flight Altimeter Check: APN J1

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
(1) Radio masts 4.4 NM SE ELEV 3629 FT and 7 NM SE ELEV 3121 FT. (2) Restricted VIS FM TWR. TFC in the loop THR RWY 32 not VIS FM TWR. (3) No Obstacles identified that infringe the take-off surface.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FAPE
2	*Hours of service* *MET office responsible outside hours*	Observations: 0430-2000; Forecasting 0200-1900 +27 41 581 0403 FAOR +27 82 233 9600/8800)
3	*Office responsible for TAF preparation and periods of validity*	Chief Dawid Stuurman 9-11 HRS
4	*Type of trend forecast and interval of issuance*	NIL 3 hourly
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	Standard ICAO format English
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	Yes
10	*Additional information (limitation of service, e.t.c.)*	Flight documentation and other aviation related information AVBL on website page: http://aviation.weathersa.co.za

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
14	113º (T)	2600 x 45	ASPH PCR 2280/F/A/X/T	313229.90S 0283945.89E	2380 FT	+ 0.43%
32	293º (T)	2600 x 45	ASPH PCR 2280/F/A/X/T	313303.07S 0284116.38E	2417 FT	- 0.43%

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
60 x 45	100 x 150	2840 x 150	240 x 90	NIL INFO AVBL	2380 FT	See below.
60 x 45	100 x 150	2840 x 150	240 x 90	NIL INFO AVBL	2417 FT	

Remarks
(1) ACFT must adhere to RWY and TWYs and park in the parking area.
(2) Hazards - Shooting range on right base RWY 14 and livestock may be present on AD.
(3) STD circuit pattern: RWY 14 Left hand circuit, RWY 32 Right hand circuit. Reciprocating ACFT 3500FT ALT and turbine ACFT 4000FT ALT.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
14	2600	2700	2660	2600	NIL
32	2600	2700	2660	2600	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
14	420M SALS Medium	Green	3.5 º Left Hand Side	NIL	NIL	2600m; 60m; white	Red	NIL	See below.
32	420M SALS Medium	Green	3.1 º Left Hand Side	NIL	NIL	2600m; 60m; white	Red	NIL	See below

Remarks
(1) Selection of RWY light intensity RWY 14/32 on FREQ. 121.3 MHz as follows:
3 Clicks on press to talk (PTT) = 30% Intensity.
5 Clicks on press to talk (PTT) = 50% Intensity.
7 Clicks on press to talk (PTT) = 100% Intensity.
Lights will switch off automatically after 20 minutes.

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	300KVA Diesel powered generator as per ICAO requirements, 15 seconds change over time.
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ A circle radius 5 NM centred on position 313245S 0284025E.
2	*Vertical limits*	GND/4500 FT ALT
3	*Airspace classification*	Class ‘C’ (AD separations only)
4	*ATS unit call sign* *Language(s)*	English
5	*Transition altitude*	7500 FT
6	*Remarks*	During ATC operating hours no ACFT is to be operated in this airspace unless two-way RDO CTC is maintained with relevant ATC except if it is RCF.

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Mthatha Tower	121.3 MHz TRANS-REC	See ATC HOD	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

VFR Reporting Points:

Mthatha Dam North: (312742.46S 0284022.88E) APRX 5 NM North of FAUT; Situated at a bend in the Mthatha Dam, which looks like a horseshoe, North of the main body of water.

Mthatha Dam North East: (312858.98S 0284458.32E) APRX 5.5 NM North East of AD; Situated on the eastern horn of the Mthatha Dam, where the Ncambele River and Mthatha River meet.

Weather Ball: (313213.81S 0284551.80E) APRX 4.7 NM East North East of the AD. A white weather ball on the top of a hill.

Wellington Prison: (313417.24S 0284628.58E) APRX 5.4 NM East South East of AD. A prison complex situated north west of FAUT ATZ.

Shell Ultra City: (313648.24S 0284401.22E) APRX 5.1 NM South East of the AD. SHELL garage situated on the N2.

Springvale: (313746.06S 0284036.39E) APRX 05 NM South of the AD, small village situated on the southern bank of the Cicira River.

Tabase Nek: (313324.56S 0283516.49E) APRX 4.9 NM West of the AD. Situated north east of Tabase Mission Village, where the R61 bends to the south and back north.

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
RNP RWY 14	-RNP-01
Data tabulation	-RNP-01A
RNAV RWY 32	-RNAV-02
Data tabulation	-RNAV-02A

FAVG

FAVG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAVG - VIRGINIA/DURBAN

FAVG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	294615.00S 0310337.00E
2	*Direction and distance from city*	5 NM NE
3	*Elevation/Reference temperature*	20FT/22º C
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	NIL INFO AVBL
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority Supervising the Aerodrome and Remarks: PUB AD CHF: Ethekwini Municipality - Economic Development Unit, P O Box 201444, Durban North, 4016 TEL: (+27 31) 563 7101 / (+27 31) 311 4098 FAX: (+27 31) 563 7138 APM: Ms Duduzile Ntombela +27 78 181 9587 ATC: (+27 31) 563 4213 / (+27 31) 311 4098 Fax: (+27 31) 563 4213 AFS: FAVGZTZX
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

FAVG AD 2.3 OPERATIONAL HOURS

1	*AD operator*	Daily BTN 0400 - 2000.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	HOD 0400-1700 MON-SAT and 0500-1500 SUN and HOL.
8	*Fuelling*	SHELL/East Coast Airways: HOD MON-SAT: 0500-1500; SUN: 0600-1300; PUBLIC HOL: 0600-1300. TEL (+27 31) 564 9344 AFT HR: CTC John on (+27 83) 208 8771 ENGEN/Sheltam: HOD MON-FRI: 0500-1600; SAT: 0600-1500; SUN 0700 - 1300. TEL: (+27 31) 563 8361.
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL

11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

FAVG AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS100, AVTUR. OIL: ASO W80, W100, 100. 100 ASHLESS, ASO W100, Red Band.
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

FAVG AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	Restaurants	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

FAVG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT II. MON-SAT 0400-1700, SUN and HOL 0500-1700.
2	*Rescue equipment*	Fire extinguishing media of 1600 litres of water and 200 litres foam with 150 Kg dry chemical powder.
3	*Capability for removal of disabled aircraft*	Engineers of the relevant AMO based at the airport.
4	*Remarks*	1 Officer and 2 fire fighters, per shift. TEL: (+27 31) 563 7101, AFT HR or during EMERG CTC: Mr Kukard - (+27 83) 922 5941 or Mr Bryce - (+27 84) 668 8569. Durban Fire Department Emergency: TEL: (+27 31) 361 0000. This service not available for routine operations after hours.

FAVG AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	NIL INFO AVBL
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	1 exit taxiway at the center of the runway, linking runway and taxiway. 50M X 10M, tarred.

FAVG 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL INFO AVBL

FAVG AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Radio mast	NIL INFO AVBL	70 / 115 FT	NIL INFO AVBL	3,5 NM SW
NIL INFO AVBL	Radio mast	NIL INFO AVBL	112 / 115 FT	NIL INFO AVBL	0,9 NM NNE
	Radio mast	NIL INFO AVBL	29 / 115 FT	NIL INFO AVBL	3,0 NM W
NIL INFO AVBL	Radio mast	NIL INFO AVBL	28 / 115 FT	NIL INFO AVBL	3,0 NM W
NIL INFO AVBL	Radio mast	NIL INFO AVBL	138 / 180 FT	NIL INFO AVBL	2,8 NM NE

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

FAVG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	FALE
2	*Hours of service* *MET Office outside hours*	No MET Station O R Tambo INTL TEL: 082 233 9600/8800
3	*Office responsible for TAF preparation* *Periods of validity*	FALE, on special request provided the availability of routine observations. 9-11 Hours
4	*Trend forecast* *Interval of issuance*	NIL 3 Hourly
5	*Briefing / consultation provided*	NIL
6	*Flight documentation / Language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL

10	*Additional information (limitation of service, etc.)*	Flight documentation and other Aviation related information AVBL on web page http://aviation.weathersa.co.za

FAVG 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 APP RWY*
1	*2*	*3*	*4*	*5*	*6*
05	NIL INFO AVBL	925 x 22	ASPH LCN 32	NIL INFO AVBL	NIL INFO AVBL
23	NIL INFO AVBL	925 x 22	ASPH LCN 32	NIL INFO AVBL	NIL INFO AVBL
	Slope of RWY-SWY	*SWY Dimensions (M)*	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*OFZ*
1	*7*	*8*	*9*	*10*	*11*
05	NIL INFO AVBL	152	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
23	NIL INFO AVBL	152	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

Remarks 12:
(1) The graded area to the SE of RWY 05/23 is only 27M from the RWY centre line.
(2) CWY intersection with RWY 23. 80M x 10M ASPH pavement. This section may only be used during take-off RWY 05 - not for landing TORA RWY 05: 1025M.

FAVG AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL
23	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

FAVG 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, INSTST*	*RWY Edge LGT LEN, spacing, colour, INSTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
05	NIL	Green W/Bar	NIL	NIL	NIL	925M 60M White	Red W/Bar	NIL	
23	NIL	Green W/Bar	NIL	NIL	NIL	925M 60M White	Red W/Bar	NIL	

1) last 300M yellow.
2) The RWY lights will be switched off at 2000 to 0400 next morning.
3) No flying BTN 2000 and 0400 except with prior permission from Airport Manager subject to special circumstances.
4) RWY LGT BTN 0400-2000.

FAVG AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL INFO AVBL

FAVG AD 2.16 HELICOPTER LANDING AREA

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

4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	REQUIREMENTS Helicopters are not permitted to:- i) Hover training on or near the runway (including the grass area between the runway and taxiway and near the hangars or buildings) unless the ATC has given that specific helicopter permission to do so. ii) Helicopters must fit in with the circuit traffic iii) A helicopter stationary on the runway or flight strip or in the hover renders the runway unsafe. iv) Hover training to be done at the designated helicopter pads or at the ATC discretion. v) Helicopters, once given take off clearance from the helicopter pad must proceed to the runway and take off as per ATC clearance. vi) The compass swing bay is not to be utilized as a hovering area or helipad. vii) Due to proximity of parked ACFT, the apron is not part of the manoeuvring area and does not fall under ATC jurisdiction, no permanent parking in front of the terminal building, only used as drop off and go for ACFT. viii) Pilots to exercise caution when taxiing due to close proximity of parked ACFT. HOLDING POINT It was established that to ease congestion at the holding point 23, a second holding point be demarcated. This in effect should leave a gap between the two points in which helicopters utilizing the Starlight helicopter pad can proceed without having to fly over aircraft holding at the holding point. Holding point two (2) is the furtherest one from the runway and on busy days the ATC will hold all aircraft at this point and let one at a time through to the first holding point. Once cleared for take off the ATC, at their discretion will let another aircraft through to holding point one (1). HELICOPTER OPERATIONS Helicopter operational hours are from 0400 to 1700 Monday, Wednesday and Friday. Helicopter training on Saturday is BTN 0400-1100, and on Tuesday and Thursday BTN 0400- 1800. No training permitted on Sundays and public holidays. Departing helicopters are expected to gain enough height as possible, to be clear of the residential areas on both sides of the aerodrome.

FAVG AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ a) From a point at 294315.57S 0310334.05E clockwise along the arc of a circle, radius 3NM centred on 294615.99S 0310336.00E to a point at 294647.88S 0310012.43E. b) Thence a straight line, back to the starting point, at 294315.57S 0310334.05E.
2	*Vertical limits*	GND/1000 FT ALT
3	*Airspace classification*	Class C

4	*ATS unit call-sign Language*	English
5	*Transition altitude*	NIL INFO AVBL
6	*Remarks*	Aircraft flying in this ATZ must comply with the noise abatement procedures applicable in the Virginia circuit: (a) All circuits to be made seawards, thus when runway 23 is in use left-hand circuits must be flown and when runway 05 is in use right hand circuits must be flown. (b) All aircraft other than those piloted by pupils under training, must veer seawards of the line of flight immediately after take-off. (c) Aircraft being piloted by pupils under training must start veering seawards on reaching a height of 400 FT ALT.

FAVG AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
TWR	Virginia Tower	120.6 MHz transmits and receives	MON - SAT: 0400 - 1700. SUN/ PUB HOL: 0500 - 1500	NIL INFO AVBL
Note: All IFR TFC DEP FAVG outside of HR of duty of ATC must CTC Durban APCH on FREQ 125.75 MHz prior to departure for clearance to enter controlled airspace. If no CTC can be established on FREQ 120.6 MHz, ACFT are to get airborne and remain clear of controlled airspace and obtain clearance on FREQ 125.75 MHz to enter controlled airspace. All TFC DEP FM FAVG that enter the Durban TMA or fly to FALE are required to request startup prior to DEP.				

FAVG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

NIL INFO AVBL

FAVG AD 2.20 LOCAL AERODROME REGULATIONS

(1) Use of AD by Tri-Axis Fixed Wing microlight ACFT permitted.
(2) Twin engined aircraft are to use ASPH TWY only at all times.
(3) The control tower penetrates the Transitional Surface.
(4) ACFT to park in designated areas only.

FAVG AD 2.21 NOISE ABATEMENT PROCEDURES

For noise abatement procedure, helicopters are to approach at higher altitude over the residential area (flying a normal approach path) and to cross the aerodrome boundary fence at no less than 300FT whenever practical and safe to do so.

FAVG AD 2.22 FLIGHT PROCEDURES

The following deemed separation between arriving and departing IFR flights at King Shaka International and Virginia airports is based upon a Safety Assessment conducted by ATNS and has been implemented to enhance efficiency as well as to ensure a safe, orderly and expeditious flow of air traffic within the FALE/FAVG area of responsibility.

FAVG geographical position is 3NM east of the approach/take-off path of runway 06/24 at FALE and as such restricts IFR traffic to and from both airports.

This procedure will require IFR traffic departing from or arriving at FAVG, on ATC clearances to remain seaward of the coastline on headings, and will be deemed to be separated from IFR departing and arriving traffic at King Shaka International Airport (FALE).

This deemed separation will only be applicable when Surveillance Radar is in operation at FALE.

In the absence of an IAP for IFR ACFT into FAVG the following PROC will apply, when WX minima restricts VMC descents into FAVG: inbound IFR ACFT to FAVG shall be accommodated on the ILS or VOR IAP to FALE to a minimum of 1000FT ALT. Should the ACFT not become VMC by 1000FT ALT, pilot will be requested to land at FALE.

Circuit: All circuits to be flown at 800FT and must be conducted seawards. Downwind legs over land not permitted.

FAVG AD 2.23 ADDITIONAL INFORMATION

Pilots must exercise caution due to flocks of birds on AD.

FAVG AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FAVM

FAVM AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAVM - VENETIA

FAVM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	222653.19S 0292015.99E
2	*Direction and distance from city*	19 NM NNE of Alldays
3	*Elevation/Reference temperature*	2333 FT
4	*Geoid undulation at AD ELEV PSN*	NIL INFO AVBL
5	*MAG VAR / Annual change*	13º W (2003)
6	*AD operator, address, telephone, telefax, email, AFS address and, if available, website address.*	Authority Supervising the Aerodrome and Remarks: PRIV AD CHF: De Beers Consolidated Diamond Mining Company, PO Box 668 Musina, 0900 TEL: +27 15 5752500 FAX: +27 15 5342019 CELL: +27 837006859 CELL (2): +27 605324876 E-MAIL: VenetiaLandingRequests@debeersgroup.com EMAIL (2): Matthew.Morrison@debeersgroup.com
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

FAVM AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL
12	*Remarks*	NIL

FAVM AD 2.4 HANDLING SERVICES AND FACILITIES

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

FAVM AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL
2	Restaurants	NIL
3	*Transportation*	NIL
4	*Medical facilities*	Basic medical support.
5	*Bank and Post Office*	NIL
6	*Tourist office*	NIL
7	*Remarks*	NIL

FAVM 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*	NIL

FAVM AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	NIL INFO AVBL
2	*Taxiways width* *Taxiway surface* *Taxiway strength*	Both Taxiways are 9m wide with asphalt surface.
3	*Altimeter checkpoint location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

FAVM 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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bars*	NIL INFO AVBL
4	*Remark*	NIL

FAVM AD 2.10 AERODROME OBSTACLES

In Area 2a					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	BLDG	222700.25S 0291947.97E	9.6M HGT	NIL INFO AVBL	
NIL	Antenna	222702.96S 0291954.02E	8.1M HGT	NIL INFO AVBL	

In Area 2b					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	Powerline	222553.58S 0292315.74E	17.5M HGT	NIL INFO AVBL	
NIL	Powerline	222718.84S 0291918.45E	19.5M HGT	NIL INFO AVBL	
NIL	Light pole	222722.35S 0291911.85E	16.5M HGT	NIL INFO AVBL	
NIL	Light pole	222720.84S 0291912.01E	16.5M HGT	NIL INFO AVBL	
NIL	Powerline	222711.95S 0291917.70E	15.7M HGT	NIL INFO AVBL	
NIL	Powerline	222715.99S 0291918.12E	19.5M HGT	NIL INFO AVBL	
NIL	Powerline	222708.62S 0291917.35E	11.5M HGT	NIL INFO AVBL	
NIL	Powerline	222705.29S 0291916.99E	13.1M HGT	NIL INFO AVBL	
NIL	Tower	222555.12S 0292318.16E	20.3M HGT	NIL INFO AVBL	
In Area 2c					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	Tower	222707.00S 0291951.25E	7.5M HGT	NIL INFO AVBL	
NIL	Tower	222705.68S 0291955.00E	7.7M HGT	NIL INFO AVBL	
NIL	BLDG	222706.11S 0291952.20E	8.9M HGT	NIL INFO AVBL	
NIL	Tower	222659.63S 0291913.54E	55M HGT	NIL INFO AVBL	
NIL	Other	222702.97S 0292019.31E	24.7M HGT	NIL INFO AVBL	
NIL	Other	222707.06S 0292008.90E	24.7M HGT	NIL INFO AVBL	
NIL	Other	222711.17S 0291958.42E	24.7M HGT	NIL INFO AVBL	
NIL	Other	222715.07S 0291948.47E	23.9M HGT	NIL INFO AVBL	

In Area 2c					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL	Antenna	222705.95S 0291954.22E	10.3M HGT	NIL INFO AVBL	
NIL	Tower	222721.52S 0291921.86E	31.8M HGT	NIL INFO AVBL	
1. This AD is situated in a restricted mining area. Except in emergencies, no person may land without the mine Security Manager prior written permission. 2. Blasting taking place area bounded by 222511S 0291817E; 222522S 0291935E; 222637S 0292035E; 222650S 0291959E and 222650S 0291817E. Daily BTN 0600-1400. GND/7333FT AMSL 3. Pilots to contact Venetia mine on FREQ 130.4 MHz or 124.800 Mhz before approaching or take off for blasting information.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAVM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

FAVM 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
08	071°	1553 x 15	ASPH LCN 45	222701.40S 0291950.30E	2338 FT	NIL
26	251°	1553 x 15	ASPH LCN 45	222644.98S 0292041.68E	2354 FT	NIL

SWY Dimensions (M)	*CWY Dimensions (M)*	*Strip Dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL	60	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAVM 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 AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
26	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

FAVM AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	*APCH LGT Type, LEN and INTST*	*THR LGT Colour and WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, spacing, colour, INTST*	*RWY End LGT Colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
08	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
26	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

FAVM AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location and LGT Anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

FAVM AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	NIL INFO AVBL
2	*TLOF and/or FATO elevation M/FT*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

FAVM 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*	NIL
5	*Transition altitude*	NIL
6	*Remarks*	NIL

FAVM AD 2.18 ATS COMMUNICATION FACILITIES

1	*2*	*3*	*4*	*5*
Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
NIL	NIL	NIL	NIL	NIL

FAVM 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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

FAVM AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

FAVM AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

FAVM AD 2.22 FLIGHT PROCEDURES

Mandatory circuit procedure must be complied with:
RWY 08: Right hand circuit,
RWY 26: Left hand circuit.

FAVM AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

FAVM AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01

FAWB

FAWB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAWB - WONDERBOOM / PRETORIA

FAWB AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	253919.11S 0281316.81E, On RWY 11/29 and RWY 06/24 intersection.
2	*Direction and distance from city*	6 NM N Pretoria
3	*Elevation/Reference temperature*	4095 FT / 32° C
4	*Geoid undulation at AD ELEV PSN*	80.3 FT
5	*MAG VAR /* *Annual change*	19°W (2018) 0°6' W
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Postal Address: City of Tshwane P O Box 6338, Pretoria, 0001 TEL:+27 12 358 4040, FAX: +27 12 358 4141 E-mail: ndivhol@tshwane.gov.za APM: Mr Nnditsheni L. Madavha TEL: +27 12 358 5078 E-mail: nnditshenim@tshwane.gov.za Reception to FAWB: TEL: +27 12 358 5266 E-mail: wbainfo@tshwane.gov.za Safety and operations: TEL: +2712 358 2719e E-mail: wbasafety@tshwane.gov.za ATC: TEL: +27 12 543 1402, FAX: +27 12 543 0038 CELL: +27 66 432 1795 E-mail: wbatc@atns.co.za Rescue and Fire Services TEL: +27 12 543 1835/8112/3/4/5 CELL: +27 83 658 8917 E-mail: wbafire@tshwane.gov.za
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	Microlights only allowed on prior arrangement with APM and ATC. All visiting aircraft arrivals to park on apron and report to INFO desk to pay landing fees. All departing and arriving passengers to pass through main terminal building. All departing passengers to pay airport tax at INFO Desk and/or The Cash Management Office.

FAWB AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD, MON-SUN: 0300-1800 AD Administration and Apron office: MON-FRI 0530-1400, public holidays and weekends closed.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	H24, Contact O.R Tambo International AIM unit. TEL: +27 86 0359 669 or +27 11 928 6517/8
5	*ATS reporting office (ARO)*	H24, TEL: +27 86 0359 669 or +27 11 928 6517/8
6	*MET briefing office*	Printed aviation forecast is available. Forecast OR Tambo International TEL: +27 11 390 9329, +27 11 390 9330, +27 12 367 6210
7	*ATS*	TWR/APP: MON-SUN 0400-1800, Ground Movement Control: MON-SUN 0500-1700. Public Holidays to be notified by NOTAM. Nil services available after 1800.
8	*Fuelling*	AVGAS and JET A1 available during AD operational hours.
9	*Handling*	NIL ground handling company available. The following equipment is available: Tug, Portable water, waste truck, baggage wagons, and trolleys.
10	*Security*	AVSEC available. a) Passenger security: DLY 0400-1800. b) AD perimeter security: H24.
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL INFO AVBL

FAWB AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS and JET A1 available. Nil oil available.
3	*Fuelling facilities and capacity*	AVGAS quantity: 9000L JET A1 quantity: 7500L AVGAS refuelling only available on the main apron - kerbside. ACFT requiring JET A1 must proceed to main apron for refuelling. General aviation refuelling will be serviced by request, time depended on refueller availability. For payment information: TEL: +2712 358 5266 AFT HR: +2783 658 8917
4	*De-icing facilities*	NIL INFO AVBL

5	*Hangar space for visiting aircraft*	ACFT Manufacturing organisations number available from AD Admin.
6	*Repair facilities for visiting aircraft*	ACFT Manufacturing organisations number available from AD Admin.
7	*Remarks*	Bowser fuel to be arranged with fuel provider.

FAWB AD 2.5 PASSENGER FACILITIES

1	*Hotels*	International Inn. TEL: +27 12 543 0843 Guest houses available in the vicinity.
2	Restaurants	Villa San Giovanni TEL: +27 12 543 0843 Meals and pizzeria available.
3	*Transportation*	Taxis and car hire available at AD contact AD Admin for numbers.
4	*Medical facilities*	First Aid available. Hospitals: Eugene Marais - 10 KM, TEL: +27 12 334 2777 Montana Private Clinic - 4 KM, TEL: +27 12 523 3000 Ambulance available within 7 minutes
5	*Bank and Post Office*	ATM Only ABSA and FNB available.
6	*Tourist office*	In City TEL: +27 12 358 1430
7	*Remarks*	NIL INFO AVBL

FAWB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 5: MON-SUN 0300-1800.
2	*Rescue equipment*	2 x Fire vehicles available. 6 x 6 vehicle: 15000L water and 1500L of foam compound with 317KG Dry Chemical powder. 4 x 4 vehicle: 6000L water and 850L foam compound with 225KG Dry Chemical Powder.Standard rescue and fire fighting equipment carried in accordance with ICAO requirements for CAT 5.
3	*Capability for removal of disabled aircraft*	Resources available to remove general aviation type aircraft and under 19-seater type aircraft.
4	*Remarks*	9 Man crew per shift. Contact details +2783 658 8917. Nil services available after 1800.

FAWB AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

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

1	*Apron surface and strength*	SFC: Main APN: concrete Secondary APN: concrete, configured for general aviation type ACFT. Strength: PCR 890/R/B/W/T
2	*Taxiway width* *Taxiway surface* *Taxiway strength*	Width: 15 M except TWY D1 which is 22 M Surface: Asphalt. Strength: 22/F/B/X/T Strength: PCR 420/F/B/X/T
3	*Altimeter checkpoint location and elevation*	THR RWY 29: 4095 FT; THR RWY 11: 4038 FT THR RWY 06: 4070 FT; THR RWY 24: 4074 FT
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	ATC view of TWY F APRX 80 percent obscured due to hangars. No ATC CLR will be issued and Pilot to TAX at own discretion. Pilots to also EXER CTN when TAX to and FM THR RWY 06. ACFT tie-down points AVBL on Main and GS APN. ACFT operating within the AMO area operates at own risk as the area is not a maintained apron and parking area for ACFT. Risk of Foreign Objects ingestion due to maintenance activities in the specific area.

FAWB 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.*	Taxiing guidance signs at all intersections, TWY signs and Holding position signs at each RWY. Guidelines within Apron. Follow guidelines from TWY centre guidelines to allocated parking bay. ID number painted on surface. Marshalling guidance at ACFT stands when required. ACFT to contact ATC on FREQ for start and taxi clearance. Landing flights to provide ATC with ACFT REG and parking bay with readback of taxi instruction.
2	*RWY and TWY markings and LGT*	RWY: THR, RWY Designation, RWY centreline and Holding point markings. TWY: All TWY centrelines markings. RWY LGT: RWY 11/29 - PAPI LGT, THR, Edge LGT and RWY End LGT. RWY 06/24 - NIL. TWY LGT: Reflective Edge markers.
3	*Stop bars*	NIL
4	*Remark*	Bays A1, A2 reserved for Medium ACFT. Bays B1 - B4 reserved for scheduled flights and medium ACFT only. PRKG bays B5 to B7 reserved for charter flights only, with a max PRKG period of 2HR. New C APN reserved for the PRKG of smaller ACFT, less than 5000KG. GS areas are to no longer be used for the PRKG of ACFT. **Warning**: Vehicle MOV on TWY C BTN A APN and C APN, Pilots to EXER CTN.

FAWB AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Two NDB masts	NIL INFO AVBL	HGT 59 FT	OBST lights	143 M THR RWY 29
NIL INFO AVBL	Radio mast	NIL INFO AVBL	4306 / 115 FT	NIL INFO AVBL	4.7 NM SSW
NIL INFO AVBL	Radio mast	NIL INFO AVBL	4270 / 115 FT	NIL INFO AVBL	3.4 NM S
NIL INFO AVBL	Radio mast	NIL INFO AVBL	4132 / 115 FT	NIL INFO AVBL	4.4 NM SW
NIL INFO AVBL	Radio mast	NIL INFO AVBL	4788 / 184 FT	NIL INFO AVBL	3.6 NM SW
Pilots to EXER CTN when on final approach for RWY 24 due to high ground 2 NM from THR.					

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL

FAWB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	O R Tambo INTL
2	*Hours of service* *MET Office outside hours*	NIL MET Station O R Tambo INTL TEL: +27 11 390 9329/30 or +27 12 367 6210.
3	*Office responsible for TAF preparation* *Periods of validity*	O R Tambo INTL 9-11 Hours
4	*Trend forecast* *Interval of issuance*	NIL 3 hourly
5	*Briefing / consultation provided*	NIL
6	*Flight documentation /* *Language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	Ground Movement Control, TWR, APP

10	*Additional information (limitation of service, etc.)*	Hourly METAR prepared by ATS. Flight documentation and other Aviation related information AVBL on web page http://aviation.weathersa.co.za

FAWB AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCR) 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*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
11	092°T	1828 x 30	PCR 420/F/B/X/T ASPH	253911.07S 0281246.04E	4038 FT	+0.95%
29	272°T	1828 x 30	PCR 420/F/B/X/T ASPH	253913.80S 0281351.52E	4095 FT	- 0.95%
06	044°T	1267 x 22	PCR 380/F/B/X/T ASPH	253943.82S 0281258.48E	4070 FT	+ 0.07%
24	224°T	1267 x 22	PCR 380/F/B/X/T ASPH	253913.68S 0281329.44E	4073 FT	- 0. 07%
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	150 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	150 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	75 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	75 x 150	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

Remarks (12)
(1) RWY 11/29 CLSD due MAINT every MON BTN 0700-1200. RWY 06/24 available for operations.
(2) When RWY 06/24 is CLSD for MAINT BTN 0700-1200, ACFT will be cautioned on MAINT activities taking place.
(3) RWY AVBL in case of ACFT declared EMERG with 15MIN prior notice.
(4) Airfield CLSD to fixed wing ACFT first MON of the month BTN 0700-1200 due to MAINT at RWY 11/29 and RWY 06/24 intersection. RWY will be made AVBL with 15MIN prior notice in case of ACFT declared EMERG.

FAWB AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
11	1828	1978	1828	1828	NIL
29	1828	1978	1828	1828	NIL
06	1267	1342	1267	1267	NIL
24	1267	1342	1267	1267	NIL

FAWB 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 LEN, spacing, colour, INTST*	*RWY Edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour and WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
11	NIL	Green	PAPI Left/ 2.6°	NIL	NIL	1828 M, 60M White Last 600M Yellow	Red	NIL	NIL
29	NIL	Green	PAPI Left/ 2.7°	NIL	NIL	1828 M, 60M White Last 600M Yellow	Red	NIL	NIL
06	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
24	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

(1) RWY lights AVBL after 1700 on remote switch FREQ 118.35 MHz. 5 clicks to turn lights on, 3 clicks for intensity. Lights will stay on for 15MIN.
(2) PAPI RWY 11/29: Touchdown displaced by + 300M from THR, System to be used with CTN at DIST in excess of 4NM.

FAWB AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	On control TWR roof, 253928.62S 0281255.01E, Colour: Alternate Blue and White rotating, 1HR before sunset and 1 HR after sunrise
2	*LDI location and LGT Anemometer location and LGT*	LDI: NIL Anemometer Location: S of THR 06 and TWY 'F', N of THR 11 and NE of THR 24.
3	*TWY edge and centre line lighting*	Edge: Blue LGT and Reflective markers
4	*Secondary power supply and switch-over time*	Secondary power supply to all lighting, RDO and navaid systems including PAPI, R/T COM and AFTN systems at AD. Switch over-time: 2 SEC
5	*Remarks*	OBST, Floodlights, LGT on main windsock.

FAWB AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO Geoid undulation*	Main Helistop on GS APN NE of Main terminal building. Circuit Training: -50 M SW of TWY B2 BTN TWY C2 and RWY 06/24 at grass square. -150 M NE of THR RWY 11 at grass square. -110 M SE of RWY 06/24 at cement square. - 95 SE of THR RWY 06 on TWY parallel to RWY 06/24.
2	*TLOF and/or FATO elevation M/FT*	N/A
3	*TLOF and FATO area dimensions, surface, strength, marking*	TLOF: 18 M X 18 M, cement, 10 M X 10 M, grass, white chalk 200 M X10 M, Asphalt, NIL
4	*True BRG of FATO*	N/A
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL

7	*Remarks*	- ATC view of hangars to the W of THR RWY 11near the Secondary (cement) Apron is obstructed. Helicopters to contact ATC prior to lift-off from hangars within area. - Helicopters are to land outside the designated apron area and the hover taxi less than 20 Knots to the landing position within the apron area or at the Fuel Bay. Circuit pattern and ALT * RWY 29, Left hand 4800 FT remain 150 M clear of RWY 29. * RWY 11, Right hand 4800 FT remain 150 M clear of RWY 11. * RWY 06, Right hand 4800 FT remain SE of RWY 11/29 and remain 85 M clear of RWY 06. * RWY 29 with Parachuting at the AD, NE OF THR RWY 11, right hand 4800 FT remaining 150 M clear of RWY 29. * RWY 11, Left hand 4800 FT remain 150 M clear from RWY 11. * RWY 06/24 with parachuting at AD, no Helicopter Circuits or auto rotations allowed. * With RWY 11 in use without parachuting at AD, auto rotations to the S of RWY 11 only allowed from Final APP or Base leg remaining clear of the Airport buildings. * All landings between hangars at pilots own discretion with due regard to the other tenants in close proximity. * All areas to be used for landing to be approved by APM.

FAWB AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	Wonderboom Control Zone (CTR) The area bounded by lines drawn as follows: a) From a point at 253214.37S 0281245.45E along a straight line to a point at 253249.53S 0282153.35E; b) Thence clockwise along the arc of a circle, radius 5NM, centred at 253750.00S 0282142.00E, to a point at 254250.06S 0282120.24E; c) Thence along a straight line to a point at 254215.42S 0281225.64E; d) Thence clockwise along the arc of a circle, radius 5NM, centred at 253715.00S 0281238.00E, back to the starting point at 253214.37S 0281245.45E.
2	*Vertical limits*	7600FT ALT
3	*Airspace classification*	C
4	*ATS unit call-sign* *Language*	English
5	*Transition altitude*	8000FT MSL
6	*Remarks*	Except where otherwise authorized, no aircraft is to be operated within this airspace unless two-way radio contact is maintained with ATC.

FAWB AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
APP/TWR	Wonderboom Tower	118.35 MHz transmits and receives	see ATS HOD	NIL INFO AVBL

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
APP/TWR VDF	Wonderboom Tower	118.35 MHz transmits and receives	see ATS HOD	On roof of Control Tower
Ground Movement Control	Wonderboom Ground	120.60 MHz Transmits and receives	see ATS HOD	NIL INFO AVBL

FAWB 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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	DPV	112.20 MHz	H24	253921.30S 281312.27E	4080.997 FT	NIL
DME	DPV	CH 59X	H24	253921.44S 0281311.80E	4088.618 FT	NIL

FAWB AD 2.20 LOCAL TRAFFIC REGULATIONS

1) Engine running only to be conducted on Designated Engine running area at Main windsock E of TWY D4. Taxi clearance to be obtained from Ground Movement Control, FREQ 120.60 MHz.
2) No PRKG by any ACFT is allowed on or close to any TWY this includes the taxiways located within the APN and AD MOV area.
3) Pilots taxiing to or FM the ‘B’ or ‘C’ (Main) APN or Fuel bay have to obtain instructions FM ATC on FREQ 120.6 MHz.
4) Pilots taxiing on TWY C2 to EXER CTN BTN TWY B and TWY D, due to HEL circuits PARL to RWY 11/29.
5) No vehicles allowed on the APN without a rotating Amber LGT and permission FM APM
6) No vehicles/persons are allowed entry into manoeuvring area without permission FM ATC.
7) Instructions are only allowed to exit ACFT for the purpose of the student continuing with solo flying within the manoeuvring area. Students are to call for taxi instructions FM ATC before re-entering the manoeuvring area.
8) All students pilots are to advise ATC on first CTC that they are conducting solo student flight training.
9) Unless otherwise advised by ATC, pilots landing on RWY 11/29 may vacate onto RWY 24 and right onto TWY B.
10) Airport services are available daily between the hours 0400-1800. Outside those operational hours as published in the AIP, the airport has zero services available and is unmanned by ANS and RFFS. It is the sole discretion of the pilot in command, and/or owner/operator of an ACFT operated after the termination of the airport services and/or before resumption to ensure that such operations are permissible. The onus rests upon the pilot in command, and/or owner/operator to ensure that the risk mitigation is in place for a safe operation of the aircraft and its occupants. The pilot in command and or owner/operator must comply to the required licensing requirements as approved for the operator.
The pilot in command and or owner/operator must record and report to the aerodrome administrator all movements of aircraft conducted outside the stipulated hours of airport operations in the prescribed form which is made available by the airport. The prescribed form must be collected via email or hard copy from Airport Administration and returned to Airport Administration via email or hard copy.

FAWB AD 2.21 NOISE ABATEMENT PROCEDURES

* According to AIC 20.3.
* See ENR 1.5, Noise Abatement Procedures.
* No low level circuits on SUN.
* No helicopter circuits training before 0900 on SUN and Religious HOL.
* No parachuting before 0900 on SUN and Religious HOL
* All HEL OPS below 4600 FT to be conducted within AD perimeter fence.
* No engines runs allowed: MON - SAT 1700 - 0500 and SUN before 0900 and after 1500.

FAWB AD 2.22 FLIGHT PROCEDURES

General

Circuit procedures:
a) ATC in operation - as advised by ATC.
b) Circuit ALT
Helicopter - 4800 FT, Piston engine - 5100 FT, Turbine engine - 5600 FT
c) Fixed wing circuit: RWY 29 and 24 - Right hand, RWY 06 and 11 - Left hand.
Early turnouts subject to ATC approval.

Procedures for VFR Flights within FAWB CTR:
VFR pilots must obtain an ATC joining clearance at the following reporting points:
a) N (GFA1/FAD 127): 2 NM N of Rooiwal PWR STN,
b) W: OHD Rosslyn industrial area,
c) NW: join W or N, that is: report at Rosslyn or 2 NM N of Rooiwal PWR STN.
d) E: OHD the Cullinan town or Cullinan dam.
e) S W: Crossing the Magaliesberg ridge S of Rosslyn industrial area.
f) S E: 5 NM S E of Mamelodi.g) N E (GFA2/FAD128): 7 NM N E of Roodeplaat dam.
VFR pilots that have not received and acknowledged an ATC CLR cannot enter the FAWB CTR. In the case of an EMERG , joining will be according to ATC CLR and pilot discretion.

Communication Failure:
In the case of RCF, follow the STD published RCF procedures.
NE (GFA2/FAD128): 7 NM N E of Roodeplaat dam.
VFR pilots that have not received and acknowledged an ATC CLR cannot enter the FAWB CTR. In the case of an EMERG, joining will be according to ATC CLR and pilot discretion.
In the case of RCF, follow the STD published RCF procedures.

FAWB AD 2.23 ADDITIONAL INFORMATION

Warning:
Occasional blasting 1.3 NM N of AD. Danger HGT GND - 2000 FT. ACFT in circuit to N should remain N of Railway line and W of Bon Accord Dam as advised by ATC.
* Hazard - Wind shear on THR of all runways due to close proximity of hangars and geographical features to runways and AD. Normally present when wind speed exceeds 15KT
- Buck and Guinea Fowl on AD.

Parachuting:
Drop zone designated as area S of RWY 11/29 and 06/24.
Times:
a) Every SAT and Public HOL during ATS HOD only, from 0700 till sunset.
b) Every SUN and Religious HOL during ATS HOD only, till sunset.
c) Every second WED from 1000 till 1400.

FAWB AD 2.24 CHARTS RELATED TO AN AERODROME

AD	-AD-01
RNAV (GNSS) RWY 29	-RNAV-01
Data Tabulation	-RNAV-01A
VOR RWY 29	-VOR-01

FAWI

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAWI - WITBANK

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	255001.60S 0291133.45E
2	*Direction and distance from city*	3 NM NNW
3	*Reference elevation/Reference temperature*	5078 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	18º W (2007)
6	*AD operator, address, TEL, FAX, SITA, AFS*	Authority Supervising the Aerodrome and Remarks: Private AD CHF: Local Council P O Box 3, Witbank, 1035 TEL: (013) 692 4021/2 FAX: (013) 692 8045
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	AD Operational hours: HJ, HN- Available on request for local operators.
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	Supplier: ENGEN / Witbank Aeronautical Association. Mr Kevin Ogelvy - Tel: (013) 692 5042 (w) Mr Ronnie Davis - Tel: (013) 656 4151 (w)
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	HN AVBL. O/R for local operators.

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS100. OIL: 100 Ashless.
3	*Fuelling facilities and capacity*	NIL INFO AVBL
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	NIL
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Surface: Grass
2	*Designation, width, surface and strength of taxiways*	Width: 8 M Surface: ASPH Strength: LCN 5
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Concrete Chimney	255145S 0291324E	HGT 435 FT	Day markings	2 NM SE of AD
NIL INFO AVBL	Chimney stack	265135S 0200955E	HGT 197 FT	Day and NGT markings	2.3 NM NNW of AD
NIL INFO AVBL	Power line	NIL INFO AVBL	HGT 24 FT	NIL INFO AVBL	80m E and NE of AD BDRY

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
04	019°T	1269 x 11	ASPH LCN 5	255016.25S 0291123.33E	5078 FT	NIL INFO AVBL
22	099°T	1269 x 11	ASPH LCN 5	254937.28S 0291138.24E	5019 FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
04	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
22	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
4	NIL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	RWY lighting available on request for local operators.
22	NIL	Green	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	NIL INFO AVBL
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL

2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	NIL

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL	NIL	NIL	NIL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR	WIV	113.3 MHz	H24	254946.29S 0291141.13E	5054FT	Power output 50 W.

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL INFO AVBL

AD 2.24 CHARTS RELATED TO AN AERODROME

AD VOR RWY 22	-AD-01 -VOR-01

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FAWK

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAWK - WATERKLOOF AFB (MIL - UNLICENSED)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	254941.73S 0281325.89E
2	*Direction and distance from city*	5 NM S of Pretoria
3	*Reference elevation/Reference temperature*	4940 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	18°W (2017)
6	*AD operator, address, TEL, FAX, SITA, AFS*	PUB AD CHF: AFB Waterkloof P/Bag X 1001 LYTTELTON 0140 TEL: (012) 672-4911; FAX: (012) 672-3038 ATS TEL: (012) 672-3251/3060 ATS FAX: (012) 672-3323 Telegraphic Address: AFTN FAWKZTZX
7	*Types of traffic permitted (IFR / VFR)*	IFR/VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0500-1330
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS briefing office*	NIL
5	*ATS reporting office (ARO)*	NIL
6	*MET briefing office*	NIL
7	*ATS*	H24
8	*Fuelling*	MON-FRI: 0500-1330
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift and Pallet dolly
2	*Fuel and Oil types*	For military use only: AVGAS 100/130, JET A1. Oil - all.
3	*Fuelling facilities and capacity*	Fuel Bowsers, Hydrants and refuelling system
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation: Hotels, Chalet and Lodges in Town.
2	*Restaurants*	Chinese, Italian and European restaurants.
3	*Transportation*	Taxi available on request.
4	*Medical facilities*	First aid and Hospital in town. Oxygen and related servicing.
5	*Bank and Post Office*	Available in town
6	*Tourist office*	Available in town
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 7
2	*Rescue equipment*	Trained personnel available
3	*Capability for removal of disabled aircraft*	NIL
4	*Remarks*	1) SAR-Under the coordinating direction of the South-African Air Force. 2) CAT IX (09) ACFT's can be accommodated on request

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete
2	*Designation, width, surface and strength of taxiways*	NIL INFO AVBL
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	INS: see AD Chart
6	*Remarks*	N entrance to 10 Hangar apron closed to all taxiing ACFT.

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 INFO AVBL
2	*RWY and TWY markings and LGT*	RWY: Designation, THR, TDZ, centreline and Holding points
3	*Stop bar*	NIL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	2 Pylons	S255331 E0281916	/164 FT	unmarked	NIL
NIL INFO AVBL	1 Crane	255020S 0281308E	/82 FT	Day and NGT markings	Gedeelte 24, Drooggegron 380, Pretoria

- Pilots to EXER CTN caution due to racing pigeons present in the vicinity of the AD.
- Lyttleton Dolomite Mine blasting OPS BTN 0700 - 1000, GND/6000 FT AGL.
- Radio TRANS and REC mast NW of AD ABM Air School obstruction light unserviceable.
- Post Office TWR 1.3NM North of the AD and left of CL RWY 01.
- Hill 1.5NM S of RWY 01.
- Two unmarked Pylons at Rietvlei Dam (255331S 0281916E): GND/164 FT AGL
- EXER CTN of windshear THR RWY 19.
- Bad VIS in winter to S of AD due to smog.
-Time Square Casino, Menlyn Pretoria (254717S 0281656E): Search LGT display taking place DLY BTN 1600 - 2230, GND/UNL.

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL
2	*Hours of service* *MET office responsible outside hours*	NIL
3	*Office responsible for TAF preparation and periods of validity*	NIL
4	*Type of trend forecast and interval of issuance*	NIL
5	*Briefing / consultation provide*	NIL
6	*Flight documentation / language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, e.t.c.)*	NIL

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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
01	352°T	3350 x 45	PCN 90/F/A/W/T ASPH	255038.67S 0281328.89E	4876 FT	NIL INFO AVBL
19	172°T	3350 x 45	PCN 90/F/A/W/T ASPH	254850.88S 0281312.15E	4900 FT	NIL INFO AVBL
06	044°T	1918 x 45	NIL INFO AVBL	255000.79S 0281306.99E	4919 FT	NIL INFO AVBL
24	224°T	1918 x 45	NIL INFO AVBL	254916.53S 0281355.50E	4940 FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below.
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	
NIL	NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	

Remarks 14

Circuit Procedures
Circuit altitude: Helicopters - 5800 FT AMSL, Piston engined aircraft - 6000 FT AMSL
Jet engined aircraft - 6500 FT AMSL, Turbine engined aircraft - 6500 FT AMSL
Initial 7000 FT AMSL
RWY 01 in use - Right hand circuit
RWY 19 in use - Left hand circuit
RWY 06 in use - Right hand circuit
RWY 24 in use - Left hand circuit
Nil barrier nets AVBL.

Additional Information:
1) No landing T available. 2) Windshear THR RWY 19. 3) Arrestor barriers available on request.

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
01	3350	3350	3350	3350	NIL
19	3350	3350	3350	3350	NIL
06	1918	1918	1918	1918	NIL
24	1918	1918	1918	1918	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
01	HIALS	NIL INFO AVBL	RL PAPI (3°)	NIL INFO AVBL	AVBL	AVBL	AVBL	NIL INFO AVBL	NIL
19	SALS	NIL INFO AVBL	RL PAPI (3°)	NIL INFO AVBL	AVBL	AVBL	AVBL	NIL INFO AVBL	NIL
06	NIL INFO AVBL	NIL INFO AVBL	PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL
24	NIL INFO AVBL	NIL INFO AVBL	PAPI (3°)	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Emergency lighting & secondary supply available /15 SEC for switch over
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL
2	*TLOF / 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

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CTR: FM N of Atteridgeville (12NM NW of 255107.96S 0281333.45E) to Silverton (10NM NE of 255107.96S 0281333.45E), S to Bapsfontein (14NM SE of 255107.96S 0281333.45E), westbound along the Johannesburg CTR boundary, to a point N of Grand Central (7NM SW of 255107.96S 0281333.45E), back towards the point N ABM of Atteridgeville. More specifically, 2 arcs of a circle, radius 7NM and centered around a point at 254929S 281349E, together with 2 straight lines tangential to the circle converging to a point 260000S 0282345E & 2 straight lines tangential to the circle converging at a 254300S and 0280600E.
2	*Vertical limits*	GND/7600 FT ALT
3	*Airspace classification*	Class C
4	*ATS unit call sign* *Language(s)*	Waterkloof Tower English
5	*Transition altitude*	8000 FT
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
ATIS	Waterkloof	116.9 MHz	MON-FRI: 0600-1200	NIL
Ground	Waterkloof	121.85 MHz	Prior Arrangement	NIL
Tower	Waterkloof	124.1 MHz	H24	NIL
VDF Available	Yes	125.3 MHz	NIL INFO AVBL	NIL
Note: (1) AFIS will be provided by FAWK ATC on frequency 123.2 MHz within the FASK ATZ when FASK is unmanned. (2) ATC training taking place on frequency 124.1 MHz.				

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
VOR DME	WKV	116.9 MHz CH116	H24	255000.04S 0281313.31E	4903 FT	NIL
ILS LOC 01	WKI	111.3 MHz	H24	254840.95S 0281310.61E	4907 FT	NIL
ILS GP 01	-	332.3 MHz	H24	255030.05S 0281323.38E	4928 FT	NIL
ILS RWY 01 Commissioned to CAT 1 and calibrated to CAT 2. OM RWY 01 withdrawn. ILS RWY01 FREQ 111.3 MHz will now be used in conjunction with a DME APP.						

AD 2.20 LOCAL AERODROME REGULATIONS

1. Class B Compass wing: 2 x red circles marked on compass swing where pilots and technicians can stand. Be advised that the readings may be unreliable.

AD 2.21 NOISE ABATEMENT PROCEDURES

As per ENR 1.5. paragraph 7.2.

AD 2.22 FLIGHT PROCEDURES

Aircraft under Johannesburg radar control until established on ILS or on passing through 8000 FT ALT (FAWK CTR)

AD 2.23 ADDITIONAL INFORMATION

- Prior permission required from the South African Chief of National Defence Force to make use of the aerodrome facilities
- Bad VIS in winter to the south of AD due to smog.
- Any aircraft requiring assistance contact FAWK OPS on 133.45 MHz.
- All MIL aerodromes are unlicensed, as such they may not be nominated as an alternate destination. AD to be used in EMERG only.

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

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FAWN

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAWN - CAPE WINELANDS

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	Ref. Point: 334617S 0184424E
2	*Direction and distance from city*	5 NM NE of Durbanville
3	*Reference elevation/Reference temperature*	ELEV: 399 FT
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	24.5°W /2007
6	*AD operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	Authority and Remarks: Cape Winelands Airport Ltd Lichtenburg Road, R312 Durbanville Cape Town TEL: +27 21 486 5999 FAX: +27 21 447 9120 Email: info@capewinelands.aero Website: www.capewinelands.aero
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	HJ
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	NIL
8	*Fuelling*	MON-FRI: 0600 – 1500 SAT-SUN: 0600 – 1000 Outside HOD: Available on a R150 call out.
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL INFO AVBL
2	*Fuel and Oil types*	AVGAS available. Monthly fuel and landing arrangement to be made with George Lourens at +27 72 184 5587.
3	*Fuelling facilities and capacity*	28000 litres
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	Hangarage available.
6	*Repair facilities for visiting aircraft*	Diepkloof AMO - Pieter +27 82 784 7133
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	NIL INFO AVBL
2	*Restaurants*	NIL INFO AVBL
3	*Transportation*	NIL INFO AVBL
4	*Medical facilities*	NIL INFO AVBL
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT I
2	*Rescue equipment*	NIL INFO AVBL
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	NIL

AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete.LCN unavailable
2	*Designation, width, surface and strength of taxiways*	Concrete. LCN unavailable
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	NIL INFO AVBL
6	*Remarks*	Visiting aircraft to park in the public apron just SW of the fuel bay at 33.77168582S 18.74264402E

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	NIL

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL

2	*Hours of service* *MET office responsible outside hours*	NIL INFO AVBL
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	iWeathar station https://iweathar.co.za/display?s_id=799
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE &MAG 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 APP RWY*	*Slope of RWY-SWY*
1	*2*	*3*	*4*	*5*	*6*	*7*
05	25.18°T/ 50.70°M	900 X 20	Concrete LCN 16	334631.48S 0184415.74E	400 FT	NIL INFO AVBL
23	203.70°T/ 229.22°M	900 X 20	Concrete LCN 16	334601.11S 0184432.47E	394 FT	NIL INFO AVBL
14	117.31°T/ 142.83°M	700 x 16	NIL INFO AVBL	334614.20S 0184417.59E	400 FT	NIL INFO AVBL
32	293.57°T/ 319.09°M	700 x 16	NIL INFO AVBL	334625.72S 0184447.60E	407 FT	NIL INFO AVBL
SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location (which runway end) and description of arresting system (if any);*	*OFZ*	*Remarks*
8	*9*	*10*	*11*	*12*	*13*	*14*
NIL	130 X 90 M	NIL INFO AVBL	NIL INFO AVBL	NIL NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below

NIL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	See below
Remarks: 1. All Circuits to be confined within an area 2.5 NM radius of the aerodrome. 2. Landing area is on the Western side of cement area marked with white blocks of 3 x 1 M and 100 M apart and all landings and take-off's are to be conducted in the marked area.						

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
05	900	1030	900	900	NIL
23	900	900	900	900	NIL
14	700	700	700	700	NIL
32	700	700	700	700	NIL

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 LEN, spacing, colour, INTST*	*RWY Edge LGT, LEN, spacing, co-lour, INTST*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
05	NIL	Green, No WBAR	NIL	NIL	NIL	900M, 80M, White, No WBAR	Red, No WBAR	NIL	See AD 2.15 Remarks
23	NIL	Green, No WBAR	NIL	NIL	NIL	900M, 80M, White, No WBAR	Red, No WBAR	NIL	See AD 2.15 Remarks
14	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
32	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.15 OTHER LIGHTING SYSTEMS, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	LGT units require MNM 4 HR direct sun for APRX 100 HR OPS. Periodic inspection conducted to verify service life. Not recommended for use in OVC conditions.
2	*LDI location & LGT* *Anemometer location and LGT*	NIL

3	*TWY edge and centre line lighting*	NIL
4	*Secondary power supply and switch-over time*	NIL
5	*Remarks*	1. RWY LGT AVBL with PN. 2. Fixed solar powered RWY LGT and REIL. 3. RWY LGT and REIL are intended for private use of Airport Operators and not AVBL for general use. 4. Usage requires signing of an indemnity obtainable from FAWN office.

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	No helicopters are to take-off, land, or taxi between the hangars. All helicopter movements are restricted to the main runways, taxiways, or designated public aircraft parking area just SW of the fuel bay at 334618S 0184434E.

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

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

Circuit joining procedures:
- All traffic within 5NM of the airfield must monitor and make regular position reports on frequency 131.10MHz.
- All inbound traffic shall approach the airfield at 2000FT ALT from 5NM.
- A radio call must be made at 5 NM inbound at 2000FT ALT on VHF frequency 131.10 MHz.
- Join overhead at 2000FT ALT, to enter a left-hand pattern for either runway 05/23 or 14/32.
- A further radio call must be made from overhead the airfield at 2000FT ALT to advise traffic of further intentions.
- Descend on the “dead side”, and join on left crosswind (over RWY numbers) to merge with the active circuit on the downwind at 1300FT ALT.
- Standard circuit height for all aircraft 1300FT ALT, except microlight aircraft which shall fly a “low level” circuit at 900FT ALT. Standard radio calls must be made in the circuit.
- Orbits are not permitted in the circuit.
- Aircraft leaving the area must maintain 1500FT ALT until 5NM and call outbound on 131.10MHz. Aircraft with dual-frequency monitoring capability are advised to also listen out on 124.8MHz for inbound traffic.
- Transiting aircraft to avoid overflying the airfield and to maintain 2000FT ALT from 5NM until past the airfield, descending to 1500FT ALT thereafter until outbound at 5NM.
- Aircraft turning right after take-off must remain below 900FT ALT until 3NM before climbing to 1500FT ALT to ensure no conflict with joining traffic.
- Circuit joining procedures herein to be adhered to by all general aviation.

Non-standard operations/procedures may be conducted by FAWN Fixed-Base Operators with the prior consent of the Airport Authority.
Unmanned AD: Frequency 131.10 MHz,
Call-sign: **Winelands Traffic**
Caution: AIAA (Area of Intense Aerial Activity) – maintain a constant lookout for traffic
Banner tow operations taking place, Call-sign: Sky AD FREQ: 131.10 MHz
Crop Spraying Operations
Intensive Flight Training Operations involving multiple aircraft.
Multiple active runways

AD 2.21 NOISE ABATEMENT PROCEDURES

NIL INFO AVBL

AD 2.22 FLIGHT PROCEDURES

NIL INFO AVBL

AD 2.23 ADDITIONAL INFORMATION

NIL

AD 2.24 CHARTS RELATED TO AN AERODROME

NIL

FAYP

AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FAYP - AFB YSTERPLAAT (MIL - UNLICENSED)

AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	335403.56S 0182950.96E
2	*Direction and distance from city*	09 NM to the NE of Cape Town
3	*Reference elevation/Reference temperature*	49 FT / N/A.
4	*Geoid undulation at aerodrome elevation position*	NIL INFO AVBL
5	*MAG VAR* *annual change*	26° W (2019)
6	*AD Operator, address, telephone, telefax, e-mail, AFS address and, if available, website address*	PUB AD CHF: AFB Ysterplaat P/Bag x 04, Ysterplaat, 7425. TEL OPS: (+27 21) 508 6222 FAX OPS: (+27 21) 508 6405 TEL TWR: (+27 21) 508 6151 FAX TWR: (+27 21) 508 6224 Telegraphic Address: AFTN FAYPZTZX Email: atc@ysterplaat.org.za
7	*Types of traffic permitted (IFR / VFR)*	VFR
8	*Remarks*	NIL

AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI: 0500-1330
2	*Customs and immigration*	NIL INFO AVBL
3	*Health and sanitation*	NIL INFO AVBL
4	*AIS briefing office*	NIL INFO AVBL
5	*ATS reporting office (ARO)*	NIL INFO AVBL
6	*MET briefing office*	NIL INFO AVBL
7	*ATS*	MON - FRI: 0500 - 1330, SAT and SUN: 1 HR PN, After Hours-Standby (REQ FAYP OPS).
8	*Fuelling*	MON-FRI: 0500-1330
9	*Handling*	NIL INFO AVBL
10	*Security*	NIL INFO AVBL
11	*De-icing*	NIL INFO AVBL
12	*Remarks*	NIL

AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Forklift
2	*Fuel and Oil types*	AVGAS 100, JET A1 / All
3	*Fuelling facilities and capacity*	Fuel Bowsers
4	*De-icing facilities*	NIL INFO AVBL
5	*Hangar space for visiting aircraft*	NIL INFO AVBL
6	*Repair facilities for visiting aircraft*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Overnight accommodation: Hotels, B&B and Lodges in Town,
2	*Restaurants*	South African
3	*Transportation*	Rent a Car available on request.
4	*Medical facilities*	First Aid and Hospital in town, / Oxygen and related servicing.
5	*Bank and Post Office*	NIL INFO AVBL
6	*Tourist office*	NIL INFO AVBL
7	*Remarks*	NIL

AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*Aerodrome category for fire fighting*	CAT 5
2	*Rescue equipment*	Trained personnel available.
3	*Capability for removal of disabled aircraft*	NIL INFO AVBL
4	*Remarks*	SAR-Under the coordinating direction of the SA Air Force.

AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	NIL INFO AVBL
2	*Clearance priorities*	NIL INFO AVBL
3	*Remarks*	Open all seasons.

AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	*Designation, surface and strength of aprons*	Concrete N/A.
2	*Designation, width, surface and strength of taxiways*	TWY Widths: A = 12,2 M B =28,3 M C = 29,4 M
3	*ACL location and elevation*	NIL INFO AVBL
4	*VOR checkpoints*	NIL INFO AVBL
5	*INS checkpoints*	VIP: 335413.75S 0182941.54E C130: 335422.74S 0182932.39E 22 SQN: 335418.46S 0182940.13E SAPS: 335413.13S 0182934.69E
6	*Remarks*	NIL

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 INFO AVBL
2	*RWY and TWY markings and LGT*	NIL INFO AVBL
3	*Stop bar*	NIL INFO AVBL
4	*Remark*	Marking aids: All runways - threshold, Touch-down, RWY designator, RWY centreline and Holding points.

AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	Mast	335434S 0182942E	HGT 150 FT	NIL INFO AVBL	0.45 NM SW of AD.
NIL INFO AVBL	Power lines	NIL INFO AVBL	HGT 83 FT	Red hazard LGT	S & SE of THR RWY 02
- 7 x Apron lighting masts, height 99 FT, erected above dispersal area marked by double red lights. -RENL visible from both directions. -Fence 1.2 M AGL erected along the length of RWY 02/20 N of TWY C and 250 M W of RWY. - Raised lights at THR RWY 20. - ACFT to avoid landing on THR RWY 02/20 due to cracks on the surface.					

In Area 3					
OBST ID/ Designation	*OBST Type*	*OBST position*	*ELEV/HGT*	*Markings/type, colour*	*Remarks*
a	*b*	*c*	*d*	*e*	*f*
NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL INFO AVBL	NIL

AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET office*	NIL INFO AVBL
2	*Hours of service* *MET office responsible outside hours*	0845-1615
3	*Office responsible for TAF preparation and periods of validity*	NIL INFO AVBL
4	*Type of trend forecast and interval of issuance*	NIL INFO AVBL
5	*Briefing / consultation provide*	NIL INFO AVBL
6	*Flight documentation / language(s) used*	NIL INFO AVBL
7	*Charts and other information available for briefing or consultation*	NIL INFO AVBL
8	*Supplementary equipment available for providing information*	NIL INFO AVBL
9	*ATS units provided with information*	NIL INFO AVBL
10	*Additional information (limitation of service, e.t.c.)*	NIL INFO AVBL

AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWYNR	*TRUE &MAG 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 APP RWY*
1	*2*	*3*	*4*	*5*	*6*
02	T 356°	1585 X 32	ASPH LCN 30	335431S 0182956E	42 FT
20	T 176°	1585 X 32	ASPH LCN 30	335339S 0182951E	52 FT
Designations RWY NR	*Slope of RWY-SWY*	*SWY dimensions (M)*	*CWY dimensions (M)*	*Strip dimensions (M)*	*OFZ*
1	*7*	*8*	*9*	*10*	*11*
02	NIL	NIL	NIL	NIL	NIL

20	NIL	NIL	NIL	NIL	NIL
Remarks 12 Circuit Procedures (a) Circuit altitude: Fixed wing aircraft - 1 000 FT Helicopters - 800 FT (b) RWY 02 in use - Left hand circuit RWY 20 in use - Right hand circuit (c) Raised lights at THR RWY 20					

AD 2.13 DECLARED DISTANCES

RWY	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*
02	1585	1585	1585	1585	NIL
20	1585	1585	1585	1585	NIL

AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY	*APCH LGT Type and LEN INST*	*THR LGT Colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT, Spacing, colour INTST*	*RWY Edge LGT, LEN, Spacing, Colour, WBAR*	*RWY End LGT Colour WBAR*	*SWY LGT LEN (m) Colour*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
02	NIL INFO AVBL	NIL INFO AVBL	RL PAPI (3º)	NIL INFO AVBL	AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	Runway Lighting available RWY 02/20
20	NIL INFO AVBL	NIL INFO AVBL	RL PAPI (3º)	NIL INFO AVBL	AVBL	AVBL	NIL INFO AVBL	NIL INFO AVBL	Runway Lighting available RWY 02/20

AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	NIL INFO AVBL
2	*LDI location & LGT and anemometer location and LGT*	NIL INFO AVBL
3	*TWY edge and centre line lighting*	NIL INFO AVBL
4	*Secondary power supply and switch-over time*	Emergency lighting & secondary supply available / 15 SEC for switch over,
5	*Remarks*	NIL

AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO / Geoid undulation*	NIL INFO AVBL
2	*TLOF / FATO elevation (m/ft)*	NIL INFO AVBL
3	*TLOF and FATO area dimensions, surface, strength, marking*	NIL INFO AVBL
4	*True BRG of FATO*	NIL INFO AVBL
5	*Declared distance available*	NIL INFO AVBL
6	*APP and FATO lighting*	NIL INFO AVBL
7	*Remarks*	335413S 0182935E (Police)

AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ATZ/CTR (a) An arc with the radius 2.5NM centred around 335404S 0182951E.
2	*Vertical limits*	GND/1500 FT
3	*Airspace classification*	Visual
4	*ATS unit call sign* *Language(s)*	Ysterplaat Tower English
5	*Transition altitude*	N/A
6	*Remarks*	NIL

AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Channel(s)*	*Hours of operation*	*Remarks*
1	*2*	*3*	*4*	*5*
Ground	Ysterplaat	121.85 MHz	MON-FRI: 0500-1330	NIL
Tower	Ysterplaat	125.6 MHz	MON-FRI: 0500-1330	NIL

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 DME transmitting antenna*	*Remarks*
1	*2*	*3*	*4*	*5*	*6*	*7*
NIL	NIL	NIL	NIL	NIL	NIL	NIL

AD 2.20 LOCAL AERODROME REGULATIONS

NIL INFO AVBL

AD 2.21 NOISE ABATEMENT PROCEDURES

Standard

AD 2.22 FLIGHT PROCEDURES

NIL

AD 2.23 ADDITIONAL INFORMATION

- LDG ACFT to remain within 3 DEG GP of PAPI RWY 02/20 and remaining well clear of the cement THR RWY 02/20 due to cement breaking up. ACFT must avoid landing on THR.
-Enquiries: Maj E. Gherbavaz -TEL: +2721 508 6151
- Prior admission is necessary from the South African Chief of National Defence Force to make use of the aerodrome facilities
- All MIL aerodromes are unlicensed, as such they may not be nominated as an alternate destination. AD to be used in EMERG only.
- Taxi limitations to Northern and Southern gates at AD detached, HGT 4M and MAX width of entrance is 51.55M. Pilots to EXER CTN whilst taxiing.
- Enquiries: CATCO Telephone: +2721 508 6151.

AD 2.24 CHARTS RELATED TO THE AERODROME

NIL

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