FLMF AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FLMF - MFUWE

FLMF AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	S 13°15'29.90" E 031°56'23.30" Nil
2	*Direction and distance from (city)*	North-West of Chipata Town/119Km
3	*Elevation/Reference temperature*	Elev: 1844 FT (562 M) / T: 36.3° C
4	*Geoid undulation at AD ELEV PSN*	-
5	*MAG VAR/Annual change*	8° W (2007)
6	*AD Administration, address, telephone, telefax, telex, AFS*	Zambia Airports Corporation Limited Mfuwe P.O. Box 2 Mfuwe Zambia Tel: 260-216-245006, 245083, 245142 Fax: 260-216-245029 AFS: FLMFZPZX eMail: zaclmf@zacl.aero Website: www.zacl.co.zm
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	Nil

FLMF AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	0500-1600 and O/R
2	*Customs and immigration*	As AD Administration
3	*Health and sanitation*	First aid as AD Administration
4	*AIS Briefing Office*	As AD Administration
5	*ATS Reporting Office (ARO)*	As AD Administration
6	*MET Briefing Office*	As AD Administration
7	*ATS*	As AD Administration
8	*Fuelling*	As AD Administration
9	*Handling*	As AD Administration
10	*Security*	As AD Administration
11	*De-icing*	Nil
12	*Remarks*	Nil

FLMF AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	Nil
2	*Fuel/oil types*	Fuel : A1 , AVGAS_LL , AVTUR Oil : All types normally available.
3	*Fuelling facilities/capacity*	Two(2) fixed containers
4	*De-icing facilities*	Nil
5	*Hangar space for visiting aircraft*	Nil
6	*Repair facilities for visiting aircraft*	Nil
7	*Remarks*	Nil

FLMF AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Lodges and rest rooms near by
2	*Restaurants*	Restaurant/Cafe at AD
3	*Transportation*	Buses by tour operations to the National park
4	*Medical facilities*	First aid at AD
5	*Bank and Post Office*	In Terminal Building
6	*Tourist Office*	At AD
7	*Remarks*	Nil

FLMF AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 4
2	*Rescue equipment*	YES, 1 Tender, 1 Ambulance, 9 trained personel per shift
3	*Capability for removal of disabled aircraft*	Nil
4	*Remarks*	Nil

FLMF AD 2.7 SEASONAL AVAILABILITY

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

FLMF AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Designation, Surface and Strength of Aprons*	*Designator*		*Surface*	*Strength*
		FLMF Apron		Concrete	PCN 48/F/A/W/T
2	*Designation, Width, Surface and Strength of Taxiways*	*Designator of TWY*	*Width*	*Surface*	*Strength*
		FLMF Twy	23 M		PCN 45/F/A/W/T
3	*Altimeter checkpoint location and elevation*	Location: At apron Elevation: 1847 feet			
4	*VOR/INS checkpoints*	VOR: Holding Bay INS: Apron THR RWY 09/27			
5	*Remarks*	Nil			

FLMF 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
2	*RWY and TWY markings and LGT*	RWY: Designation, THR,TDZ, centre line, edge runway end as appropriate, marked. TWY: Centre line, holding positions and at all TWY/RWY intersections marked.
3	*Stop bars*	NIL
4	*Remarks*	Nil

FLMF AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas			
RWY/Area affected	*Obstacle type Elevation Markings/LGT*	*Coordinates*	*Remarks*
a	b	c	d
09/APCH	FLMF_2195 Elev: 1925 FT (586.604 M) Unlighted	S 13°15'38.94" E 031°55'24.93"	Nil
09/APCH	FLMF_2647 Elev: 573.798 m Unlighted	S 13°15'34.89" E 031°55'22.88"	Nil
09/TKOF	FLMF_895 Elev: 589.087 m Unlighted	S 13°15'24.07" E 031°57'55.73"	Nil

In approach/TKOF areas			
RWY/Area affected	*Obstacle type* *Elevation* *Markings/LGT*	*Coordinates*	*Remarks*
a	b	c	d
09/TKOF	FLMF_977 Elev: 584.358 m Unlighted	S 13°15'17.58" E 031°57'35.84"	Nil
27/APCH	FLMF_1080 Elev: 2018 FT (615.086 M) Unlighted	S 13°15'25.89" E 031°57'18.51"	Nil
27/APCH	FLMF_1347 Elev: 575.262 m Unlighted	S 13°15'22.08" E 031°57'08.21"	Nil
27/APCH	FLMF_1402 Elev: 578.863 m Unlighted	S 13°15'19.08" E 031°57'01.60"	Nil
27/APCH	FLMF_1529 Elev: 573.166 m Unlighted	S 13°15'29.17" E 031°56'59.90"	TotalAreaofObjec-tis100334.139m2_asthe-maximumsizeoftheObsta-cle_withthispointtheHigh-estPointofObject
27/APCH	FLMF_1530 Elev: 576.595 m Unlighted	S 13°15'23.54" E 031°56'56.67"	TotalAreaofObjec-tis53282.387m2_asthe-maximumsizeoftheObsta-cle_withthispointtheHigh-estPointofObject
27/APCH	FLMF_3358 Elev: 568.35 m Unlighted	S 13°15'29.34" E 031°56'49.59"	Nil
27/APCH	FLMF_3373 Elev: 570.719 m Unlighted	S 13°15'24.81" E 031°56'49.49"	TotalAreaofObjec-tis123.621m2_asthemax-imumsizeoftheObsta-cle_withthispointtheHigh-estPointofObject
27/APCH	FLMF_968 Elev: 584.624 m Unlighted	S 13°15'28.79" E 031°57'22.54"	Nil
27/TKOF	FLMF_2887 Elev: 577.395 m Unlighted	S 13°15'39.03" E 031°54'55.52"	Nil

In circling area and at AD		
Obstacle type *Elevation* *Markings/LGT*	*Coordinates*	*Remarks*
a	b	c
NOTE: Nil		

FLMF AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET Office*	Mfuwe
2	*Hours of service* *MET Office outside hours*	0400 –1600
3	*Office responsible for TAF preparation* *Period of validity*	Mfuwe 2 HR

4	*Trend forecast* *Interval of issuance*	TREND METAR, SPECI 2 HR
5	*Briefing/consultation provided*	Personal briefing and consultation
6	*Flight documentation* *Language(s) used*	Charts, abbreviated plain language text English
7	*Charts and other information available for briefing or consultation*	Cross section form of forecasts, charts and tables of documentation for both international and domestic flights.
8	*Supplementary equipment available for providing information*	Self briefing terminal
9	*ATS units provided with information*	FLMF MET Briefing Office
10	*Additional information (limitation of service, etc.)*	Nil

FLMF AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY	*TRUE & MAG BRG*	*Dimension of RWY (M)*	*Strength (PCN) and surface of RWY and SWY*	*THR coordinates*	*THR elevation and highest elevation of TDZ of precision APP RWY*
1	2	3	4	5	6
09	083°(True) 088°(Mag)	2189 x 30	PCN 45/F/A/W/T SWY: Nil	S 13°15'36.73" E 031°55'35.08" GUND: Nil	THR 1841 FT (561 M)
27	263°(True) 268°(Mag)	2189 x 30	PCN 45/F/A/W/T SWY: Nil	S 13°15'27.67" E 031°56'47.22" GUND: Nil	THR 1844 FT (562 M)

Slope OF RWY and SWY	*SWY dimensions (M)*	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*RAG*	*OFZ*
7	8	9	10	11	12	13
For Rwy 09: +1.2%	Nil	900 x 400	2459 x 140	Nil	Nil	Nil
For Rwy 27: +1.2%	150 x 30	748 x 400	2459 x 140	Nil	Nil	Nil

Designations RWY	*Remarks*
1	14
09	
27	

FLMF AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
09	2189	3089	2189	2189	
27	2189	2937	2339	2189	

FLMF AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Desig-nator	*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 WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
09	Nil	Green nil wbar	PAPI	Nil	Nil	60 M White	Red	Nil	Nil
27	Nil	Green nil wbar	Nil	Nil	Nil	60 M White	Red	Nil	Nil

FLMF AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

FLMF AD 2.16 HELICOPTER LANDING AREA

As guided by ATC

FLMF AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	MFUWE CTR Circular area centered on S 13°15'37" E 031°54'54" within a 25NM radius.
2	*Vertical limits*	GND to FL75
3	*Airspace classification*	C
4	*ATS unit call sign Language(s)*	Mfuwe Approach, English Mfuwe TWR, English
5	*Transition altitude*	5000 FT (1524 M)
6	*Hours of applicability*	
7	*Remarks*	Secondary power supply available with 15seconds changeover time

FLMF AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	*Call sign*	*Frequency*	*Hours of operation*	*SATVOICE*	*Logon address*	*Remarks*
1	**2**	**3**	**4**	**5**	**6**	**7**
Approach Control	Mfuwe Approach	120.7 MHZ	0500 - 1600	Nil	Nil	VDF available
Tower Control	Mfuwe TWR	118.3 MHZ	0500 - 1600	Nil	Nil	

FLMF AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid MAG VAR CAT of ILS/MLS	*ID*	*Frequency*	*Hours of operation*	*Site of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	***2***	***3***	***4***	***5***	***6***	***7***
NDB (04° W)	MF	401.00 KHZ	H24	S 13°15'48.09" E 031°54'05.12"	—	Power output 125w Coverage 60NM
VOR/DME (04° W)	VMF	112.90 MHZ (CH76X)	H24	S 13°15'42.79" E 031°54'48.72"	1851 FT	co-axially co-located with DME

FLMF AD 2.20 LOCAL AERODROME REGULATIONS

FLMF AD 2.20.1 Airport regulations

At Mfuwe Airport a number of local regulations apply. The regulations are listed below:

a. Information about aircraft stands including visual docking guidance systems;

b. Information about taxiing from aircraft stands including taxi clearance;

c. Marshaller assistance and towing assistance;

d. Use of engine power exceeding idle power;

e. Engine start-up and use of APU

f. Fuel spillage; and

g. Precautions during extreme weather conditions.

Marshaller assistance can be requested and further information about the regulations can be obtained from the Airport Manager. When a local regulation is of importance for the safe operation of aircraft on the apron, the information may be given by Approach. “Local regulations” may be requested, in writing from:
The Airport Manager
Mfuwe Airport

FLMF AD 2.20.2 Taxiing to and from stands

Arriving aircraft will be allocated a stand number by the approach. General Aviation aircraft will have to use the general aviation parking area. Departing IFR flight shall contact the Approach to obtain ATC clearance before commencing taxiing. Request for ATC clearance may take place at the earliest 10 minutes prior to engine to engine start-up. Tower FREQ 118.300MHZ shall be used during aerodrome hour of operation. Departing aircraft shall obtain departure clearance and taxi instruction from Mfuwe Approach.

FLMF.AD 2.20.3 Parking for small aircraft (General Aviation)

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

FLMF AD 2.20.4 Parking area for helicopters

Helicopters parking on the apron will be guided by marsheller or Tower.

FLMF AD 2.20.5 Apron-taxiing during Winter conditions

Not applicable

FLMF AD 2.20.6 Taxiing-limitation

Nil

FLMF AD 2.20.7 School and training flights -Technical test flights- Use of runways

School and training must only be made after permission has been obtained from ATS. Permission will only be granted for such flights subject to departing and arriving traffic.

FLMF AD 2.20.8 Helicopter traffic-limitation

Non scheduled public air traffic with helicopter is permitted only after prior approval from Mfuwe ATSU. Any contact concerning the above shall be made via the handing or directly to the Airport Office during the hours of service and ,if possible, not later than the day before is to be carried out.
Any request for approval of traffic shall contain the following information:

a. Owner/operator

b. Type of helicopter, registration/call sign

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

d. Requested flight altitude

e. ATS routes to be flown

f. ATS serviceable communications equipment.

FLMF AD 2.20.9 Removal of disabled aircraft form runways

When an aircraft is disabled on the runway, it is the duty of the owner or user of such aircraft to have it removed as soon as possible after prior approval from Director General Civil Aviation Authority. If a disabled aircraft is not removed form the runway as quickly as possible by the owner or user, the aircraft will be removed by the aerodrome authority or at the owner's or user's expense.

FLMF AD 2.21 NOISE ABATEMENT PROCEDURES

TO BE DEVELOPED.

FLMF AD 2.22 FLIGHT PROCEDURES

FLMF AD 2.22.1 GENERAL

All flights within Lusaka FIR at or below FL150 within and outside controlled airspace shall be operated in accordance with instrument/visual flight rules. Flights above FL150 within and outside controlled airspace shall be operated in accordance with instrument flight rules only.

FLMF AD 2.22.2 Procedures for IFR flight within Mfuwe TMA and CTR.

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

FLMF AD 2.22.3 Missed approach

Missed approach procedures to be followed in the absence of other ATS instructions are as detailed on the Instrument Approach Chart.

FLMF AD 2.22.4 Communication failure

In the event of communication failure, the pilot shall act in accordance with the communication failure procedures in ICAO Annex 2.

FLMF AD 2.22.5 Procedures for VFR flights within Mfuwe TMA and CTR

Provided traffic and weather conditions so permit, ATC clearance for VFR flights will be given under the conditions described below:

a. A flight plan requesting ATC clearance, containing item 7 to 18 and indicating the purpose of the flight, shall be submitted.

b. ATC clearance shall be obtained 5 minutes before the aircraft enters the controlled airspace concerned.

c. Position reports shall be submitted in accordance with 3.6.3 of ICAO Annex 2.

d. Deviation from the ATC clearance may only be made when prior permission has been obtained.

e. The flight shall be conducted with Vertical Visual Reference to the ground unless the flight be conducted in accordance the Instrument flight rules.

f. Two-way radio communication shall be maintained on the frequency prescribed.

g. The pilot-in-command shall be the holder of an International VHF Licence.

NOTE: ATC clearance is intended only to provide separation between IFR and VFR flights.

FLMF AD 2.23 ADDITIONAL INFORMATION

FLMF AD 2.23.1 Wildlife Concentration in the vicinity of the Airport

Mfuwe International Airport lies within the Luangwa valley in the Lupande Game Management area. Wild animals are sometimes spotted in the vicinity of the airport but excluded from the airfield by a fence. Bird migration usually occurs during the wet season between November and April when many of the birds are in breeding plumage. As far as practicable aerodrome control will inform pilots of this bird activity and the heights AGL. The aircraft engine noise is not always effective in the clearing of the birds from the landing area, pilots shall exercise extreme caution. Prominent birds around the airport are as tabulated below.

SPECIES	STATUS
Lapwing	Resident
Guinea fowl	Resident
Roller	Resident
Southern ground hornbill	Resident
Black stork	Migrant
Little bee eater	Migrant
White stork	Migrant
Swallow	Migrant
Black headed heron	Migrant

Black stork	Migrant

FLMF AD 2.23.2 Local flying restrictions

Departing east-bound IFR aircraft on the A406 Air route must be at FL080 or above by 25NM from Mfuwe VOR. Arriving IFR aircraft on the A406 Air route shall maintain FL080 or above until 25NM to Mfuwe VOR within the terminal area and during take-off, approach-to-land and climb and descent procedures. During the above periods pilots of aircrafts are advised, where the design limitations of aircraft installations permit, to operate landing lights in flight.

FLMF AD 2.24 CHARTS RELATED TO AN AERODROME

Charts	*Pages*
Aerodrome Chart — ICAO	AD 2 FLMF 2 - 1
AERODROME OBSTACLE CHART - ICAO TYPE A RWY 27-09	AD 2 FLMF 5 - 1
AERODROME OBSTACLE CHART - ICAO TYPE B	AD 2 FLMF 6 - 1
Standard Departure Chart — Instrument — ICAO RNP RWY 09	AD 2 FLMF 10 - 1
Standard Departure Chart — Instrument — ICAO RNP RWY 27	AD 2 FLMF 10 - 5
Standard Arrival Chart — Instrument — ICAO RNP RWY 09	AD 2 FLMF 12 - 1
Standard Arrival Chart — Instrument — ICAO RNP RWY 27	AD 2 FLMF 12 - 5
Instrument Approach Chart — ICAO RNP RWY 09	AD 2 FLMF 14 - 1
Instrument Approach Chart — ICAO RNP RWY 27	AD 2 FLMF 14 - 3
Instrument Approach Chart — ICAO VOR RWY 09	AD 2 FLMF 14 - 5
Instrument Approach Chart — ICAO VOR RWY 27	AD 2 FLMF 14 - 7