FLSK AD 2.1 AERODROME LOCATION INDICATOR AND NAME

FLSK - SIMON MWANSA KAPWEPWE INTERNATIONAL AIRPORT

FLSK AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	S 12°57'42.46" E 028°30'58.45" From the Control Tower: 7.8° MAG / 465 Metres - From the Control Tower: 465 metres with a true bearing of 4.3° - Control Tower coordinates: S 12° 57' 57.5" E 028° 30' 57.3"
2	*Direction and distance from (city)*	7.78NM West of the Ndola Main Post Office
3	*Elevation/Reference temperature*	Elev: 4295.93 FT (1309 M) / T: 32° C
4	*Geoid undulation at AD ELEV PSN*	-
5	*MAG VAR/Annual change*	4° W (2019)/0°1'E increasing
6	*AD Administration, address, telephone, telefax, telex, AFS*	Zambia Airports Corporation Limited P.O Box 70095, Ndola, Zambia. Tel: + 260 212 611193-4 Tel: +260 977 790638, +260 965 8604 Telex: + 260 212 614226 AFS: FLSKYFYX, FLSKZPZX eMail: zaclnd@zacl.aero Website: http://www.zacl.co.zm
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	Nil

FLSK AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	0400 – 1800
2	*Customs and immigration*	As AD Administration
3	*Health and sanitation*	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*	Not available
12	*Remarks*	Nil

FLSK AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	a) NAC 2000; with handling capability up to code C aircraft. Contact : Tel +260212611274 Email: mgr.ndola@nac2000.com.zm b) Import and Export Cargo Transit terminal with high value hazard material and perishable goods storage capability.
2	*Fuel/oil types*	Fuel : A1 , AVGAS_LL Oil : Nil
3	*Fuelling facilities/capacity*	Jet A1 (60,000 litres) Avgas (30,000 litres)
4	*De-icing facilities*	Not Available
5	*Hangar space for visiting aircraft*	Nil
6	*Repair facilities for visiting aircraft*	Available up to code C aircrafts; Operator: ZACL
7	*Remarks*	Nil

FLSK AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In the Ndola City

2	*Restaurants*	At the Airport and in the Ndola City
3	*Transportation*	Taxis, shuttles, rental cars, buses
4	*Medical facilities*	a) First aid emergency medical centre available at the terminal building; b) Ambulance service available at the terminal building; c) Hospital in Ndola city, 15 km away
5	*Bank and Post Office*	Available in the Ndola City
6	*Tourist Office*	Available
7	*Remarks*	Nil

FLSK AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 7
2	*Rescue equipment*	YES; Two (2) fire tenders, 1 Ambulances, 15 trained personnel per shift
3	*Capability for removal of disabled aircraft*	Nil
4	*Remarks*	Nil

FLSK AD 2.7 SEASONAL AVAILABILITY

1	*Types of clearing equipment*	Airside management service – general inspections
2	*Clearance priorities*	Nil
3	*Remarks*	Nil

FLSK AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1 *Designation, Surface and Strength of Aprons*

Designator	*Surface*	*Strength*
01	Concrete	PCN 82/R/B/W/T
01L	Concrete	PCN 82/R/B/W/T
01R	Concrete	PCN 82/R/B/W/T
02	Concrete	PCN 82/R/B/W/T
03	Concrete	PCN 82/R/B/W/T
04	Concrete	PCN 82/R/B/W/T
05	Concrete	PCN 82/R/B/W/T
06	Concrete	PCN 82/R/B/W/T
07	Concrete	PCN 82/R/B/W/T
101	Concrete	PCN 82/R/B/W/T
102	Concrete	PCN 82/R/B/W/T
103	Concrete	PCN 82/R/B/W/T
104	Concrete	PCN 82/R/B/W/T
105	Concrete	PCN 82/R/B/W/T
106	Concrete	PCN 82/R/B/W/T

2 *Designation, Width, Surface and Strength of Taxiways*

Designator of TWY	*Width*	*Surface*	*Strength*
TWY A	23 M	Concrete	PCN 82/R/B/W/T
TWY B	23 M	Concrete and asphalt	PCN 85/F/B/W/T
TWY C	23 M	Concrete and asphalt	PCN 85/F/B/W/T

3	*Altimeter checkpoint location and elevation*	Apron 01R: 1310.26 m Apron 01: 1310.12 m Apron 01L: 1310.09 m Apron 02: 1310.00 m Apron 03: 1309.91 m Apron 04: 1309.82 m Apron 05: 1309.67 m Apron 06: 1309.55 m Apron 07: 1309.46 m Apron 101: 1310.13 m Apron 102: 1310.06 m Apron 103: 1309.93 m Apron 104: 1309.78 m Apron 105: 1309.66 m Apron 106: 1309.53 m
4	*VOR/INS checkpoints*	VOR: Holding Bays and Runway 09 Threshold INS: Apron 1 (Commercial): number P01R, Aircraft Type B, Coordinates S 12° 57' 56.1" E 028° 30' 52.0" number P01, Aircraft Type E, Coordinates S 12° 57' 56.1" E 028° 30' 52.7" number P01L, Aircraft Type B, Coordinates S 12° 57' 56.1" E 028° 30' 53.4" number P02, Aircraft Type C, Coordinates S 12° 57' 56.1" E 028° 30' 54.7" number P03, Aircraft Type C, Coordinates S 12° 57' 56.1" E 028° 30' 56.2" number P04, Aircraft Type C, Coordinates S 12° 57' 56.1" E 028° 30' 57.7" number P05, Aircraft Type E, Coordinates S 12° 57' 56.1" E 028° 31' 0.2" number P06, Aircraft Type C, Coordinates S 12° 57' 56.0" E 028° 31' 2.2" number P07, Aircraft Type C, Coordinates S 12° 57' 56.0" E 028° 31' 3.8" Apron 2 (General): number P101, Aircraft Type A, Coordinates S 12° 57' 56.1" E 028° 30' 48.2" number P102, Aircraft Type A, Coordinates S 12° 57' 55.5" E 028° 30' 48.2" number P103, Aircraft Type B, Coordinates S 12° 57' 54.7" E 028° 30' 48.2" number P104, Aircraft Type B, Coordinates S 12° 57' 53.8" E 028° 30' 48.2" number P105, Aircraft Type B, Coordinates S 12° 57' 52.9" E 028° 30' 48.2" number P106, Aircraft Type A, Coordinates S 12° 57' 52.2" E 028° 30' 48.2"
5	*Remarks*	Nil

FLSK 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 marking: Guidance and safety lines Apron lighting: High-pole floodlighting (10 units) Stand signboard available at all Parking Bays. Marshal Aircraft parking stand Identification: Pole-mounted stand identification Signs have been provided on the Apron
2	*RWY and TWY markings and LGT*	* Runway markings: Designation, thresholds, touch down zone, aiming point, centre line and edge line. Runway's lighting: Edge light, centreline light, threshold light, threshold wing bar light, end light, turn pad light and guard light. * Taxiway marking: Centre line, edge line and holding position line at TWY/RWY intersection. Taxiway lighting: Edge light and guidance sign boards.
3	*Stop bars*	Nil
4	*Remarks*	Nil

FLSK AD 2.10 AERODROME OBSTACLES

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

FLSK AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET Office*	MET Office – Simon Mwansa Kapwepwe International Airport
2	*Hours of service* *MET Office outside hours*	H24
3	*Office responsible for TAF preparation* *Period of validity*	MET Office - Simon Mwansa Kapwepwe International Airport Validity: 30 hours Interval of issuance: 6 hours (0000 – 0600 – 1200 – 1800 UTC)
4	*Trend forecast* *Interval of issuance*	Available Interval of issuance: Hourly.
5	*Briefing/consultation provided*	In person and by phone
6	*Flight documentation* *Language(s) used*	Route Forecast, TAFs, Temperature, Wind, Take off Data, Significant charts all in English
7	*Charts and other information available for briefing or consultation*	SIGMET, Surface Charts, Upper air
8	*Supplementary equipment available for providing information*	Automatic observation system Conventional World Meteorological data base (satellite connectivity)
9	*ATS units provided with information*	ATC (TWR, APP and ACC) Flight service reporting office
10	*Additional information (limitation of service, etc.)*	All meteorological information (observations, outputs and forecast) by MET Office – Simon Mwansa Kapwepwe International Airport are available at the MET office

FLSK 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	089°(True) 093°(Mag)	3500 x 45	PCN 85/F/B/W/T Concrete and asphalt SWY: Nil	S 12°57'42.80" E 028°30'00.40" GUND: Nil	THR 4267 FT (1301 M)
27	269°(True) 273°(Mag)	3500 x 45	PCN 85/F/B/W/T Concrete and asphalt SWY: Nil	S 12°57'42.12" E 028°31'56.50" GUND: Nil	THR 4277 FT (1304 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: +0.37%	Nil	300 x 300	3620 x 300	240 x 90	Nil	Nil
For Rwy 27: -0.204%	Nil	300 x 300	3620 x 300	240 x 90	Nil	Nil

Designations RWY	*Remarks*
1	14
09	
27	

FLSK AD 2.13 DECLARED DISTANCES

RWY Designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
09	3500	3800	3500	3500	
27	3500	3800	3500	3500	

FLSK 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 WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
09	CAT1 high intensity lights 900 M SALS	Green high intensity lights Wing bar: Colour: Green Intensity: High	PAPI Left side/3°	Nil	Length: 3500 m Spacing: 15 m Colour: First 900 m: white Next 1700 m: white Next 600m red/white Final 300 m: red Intensity: High	Length: 3500 m Spacing: 60 m Colour: First 600 m: white/yellow Next 2300 m: white Final 600 m: white/yellow Intensity: High	Red high intensity lights	Nil	Nil

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
27	high intensity lights 420 M SALS	Green high intensity lights Wing bar: Colour: Green Intensity: High	PAPI Left side/3°	Nil	Length: 3500 m Spacing: 15 m Colour: First 900 m: white Next 1700 m: white Next 600m red/white Final 300 m: red Intensity: High	Length: 3500 m Spacing: 60 m Colour: First 600 m: white/ yellow Next 2300 m: white Final 600 m: white/ yellow Intensity: High	Red high intensity lights	Nil	Nil

FLSK AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	*ABN/IBN location, characteristics and hours of operation*	ABN : RWY 09: Above the ATC Tower Building, flashes alternatingly white and green colours at a Frequency of 20-26 per minute, H24 RWY 27: Situated on top of the Control Tower:
2	*LDI location and LGT Anemometer location and LGT*	LDI: RWY 09 Windsock: From the RWY west side - centre point: 360 m toward east / parallel to RW centreline; 100 m toward north / perpendicular to RW centreline RWY 27 Windsock: From the RWY east side - centre point: 300 m toward west / parallel to RW centreline; 100 m toward north / perpendicular to RW centreline Anemometer: RWY 09: From the RWY centre point: 100 m toward north / perpendicular to RW centreline RWY 27: From the RW centre point: 100 m toward north / perpendicular to RW centreline
3	*TWY edge and centre line lighting*	Taxiway Edge: TWY A - Blue Taxiway Edge: TWY B - Blue Taxiway Edge: TWY C - Blue

4	*Secondary power supply/switch-over time*	RWY 09: Secondary power supply: To all RWY and TWY lighting at Aerodrome. Switch-over time: Not more than – 15 seconds RWY 27: Secondary power supply: To all RWY and TWY lighting at Aerodrome. Switch-over time: Not more than – 15 seconds
5	*Remarks*	Nil

FLSK AD 2.16 HELICOPTER LANDING AREA

Apron

FLSK AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	NDOLA CTR Area bounded by lines joining points S 13°18'00" E 027°41'40" then along the clockwise arc of a circle of 35NM radius centred on S 13°04'59" E 028°15'11" to S 13°18'00" E 028°48'30"; S 13°18'00" E 028°31'59" to point of origin.
2	*Vertical limits*	GND to FL75
3	*Airspace classification*	C
4	*ATS unit call sign Language(s)*	Kapwepwe Tower, English Ndola Approach, English
5	*Transition altitude*	6000 FT (1829 M)
6	*Hours of applicability*	0400-1800 UTC
7	*Remarks*	Military area at the south-east of the airport D19: GND/ FL170 Activated by NOTAM

FLSK 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**
Ndola Approach	Ndola Approach	120.0 MHZ	0400 to 1800	Nil	Nil	
ATIS (Automatic terminal information service)	Kapwepwe Information	126.6 MHZ	H24	Nil	Nil	
Kapwepwe Emergency	Kapwepwe Emergency	121.5 MHZ	0400 to 1800	Nil	Nil	Emergency frequency
Tower Control	Kapwepwe Tower	118.0 MHZ	0400-1800 and O/R	Nil	Nil	

FLSK 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***
LOC 09 ILS CAT I	CO	109.30 MHZ	H24	S 12°57'42.10" E 028°32'07.00"	—	From the RW east side - centre point: 315 m toward east / RW centreline; S 12° 57' 42.1" E 028° 32' 7.0"
GP 09 ILS CAT I	CO	332.00 MHZ	H24	S 12°57'38.80" E 028°30'10.50"	—	- Glide path 3° - Threshold crossing height: 15 m;
DME 09 ILS CAT I	CO	(CH30X)	H24	S 12°57'38.80" E 028°30'10.50"	1303 M	Height of the Tx antenna (20 metres)
VOR/DME	VCD	114.00 MHZ (CH87X)	H24	S 12°57'43.02" E 028°29'20.59"	1290 M	co-axially co-located with DME - Coverage: 150 NM;

FLSK AD 2.20 LOCAL AERODROME REGULATIONS

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FLSK AD 2.21 NOISE ABATEMENT PROCEDURES

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FLSK AD 2.22 FLIGHT PROCEDURES

FLSK AD 2.22.1 General

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

Unless permission has been obtained from an ATC Unit, all flights within Lusaka FIR shall be conducted within and in accordance with established ATS routes.

FLSK AD 2.22.2 Procedure for IFR flights within Ndola CTR

The inbound transit and outbound routes shown on 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.

FLSK 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 charts as attached.

FLSK AD 2.22.4 Communication Failure

In the event of communication failure, the pilot shall act in accordance with the communication failure procedure in the Zambia Civil Aviation Requirements Part 13, 13.3.13 and ICAO Annex 2, 3.6.5.2.

FLSK AD 2.22.5 Procedures for VFR Flights within Ndola 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 the items 7 to 18 and indicating the purpose of the flight, shall be submitted.

b. ATC clearance shall be obtained immediately before the aircraft enters, the CTR.

c. Position reports shall be submitted in accordance with Zambia Civil Aviation Requirements Part 13, 13.3.7 and ICAO Annex 2, 3.6.3.

FLSK AD 2.23 ADDITIONAL INFORMATION

FLSK AD 2.23.1 Bird concentrations in the vicinity of the airport

Migratory birds are usually present at the aerodrome from late October to April during the country's wet season.
As far as practicable, Aerodrome Control will inform pilots of this bird activity and the estimated heights AGL.
During the above periods pilots of aircraft are advised, where the design limitations of aircraft installations permit, to operate landing lights in flight, within the terminal area and during take-off, approach-to-land and climb and descent procedures.
The aircraft engine noise is not always effective in the clearing of the birds from the landing area, pilots should exercise extreme caution.

FLSK AD 2.24 CHARTS RELATED TO AN AERODROME

Chart Description

Kapwepwe IAC VOR Y RWY 09

For IFR flights, aircraft will arrive over the VCD VOR (114.0MHz) from which it is intended that an instrument approach procedure will be commenced, the holding and procedure turn is to the North with the right hand pattern, outbound on heading of 112° followed by westbound heading of 292° to overhead the VOR and continue heading 292° before making a base turn at 7.4 NM VCD/8.2 NM CPB (CAT A-B) and 8.8 NM VCD/9.6 NM CPB (CAT C-D) for Initial Fix (IF). The Instrument Landing System (ILS) (GP/DME 332.0MHz, LOC 109.3MHz) CAT 1 is available for landing runway 09.

Kapwepwe IAC VOR RWY 27 - Conventional

For IFR flights, aircraft will arrive over the VCD VOR (114.0MHz) from which it is intended that an instrument approach procedure will be commenced, the holding and procedure turn is to the North with a left hand pattern, outbound on heading of 273° followed by Eastbound heading of 093° to overhead the VOR and to intercept and maintain radial 093° VCD before making a 45° reversal procedure turn for 1 min at 8.8 DME VCD then 180° to intercept in bound track of 273° for landing runway 27. The missed approach holding procedure begins at 4.7 DME VCD with a left turn to join the right-hand holding pattern

Charts	*Pages*
INSTRUMENT APPROACH CHART - ICAO VOR Y RWY 09	AD 2 FLSK 14 - 1
INSTRUMENT APPROACH CHART ICAO VOR Y RWY 27	AD 2 FLSK 14 - 3

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