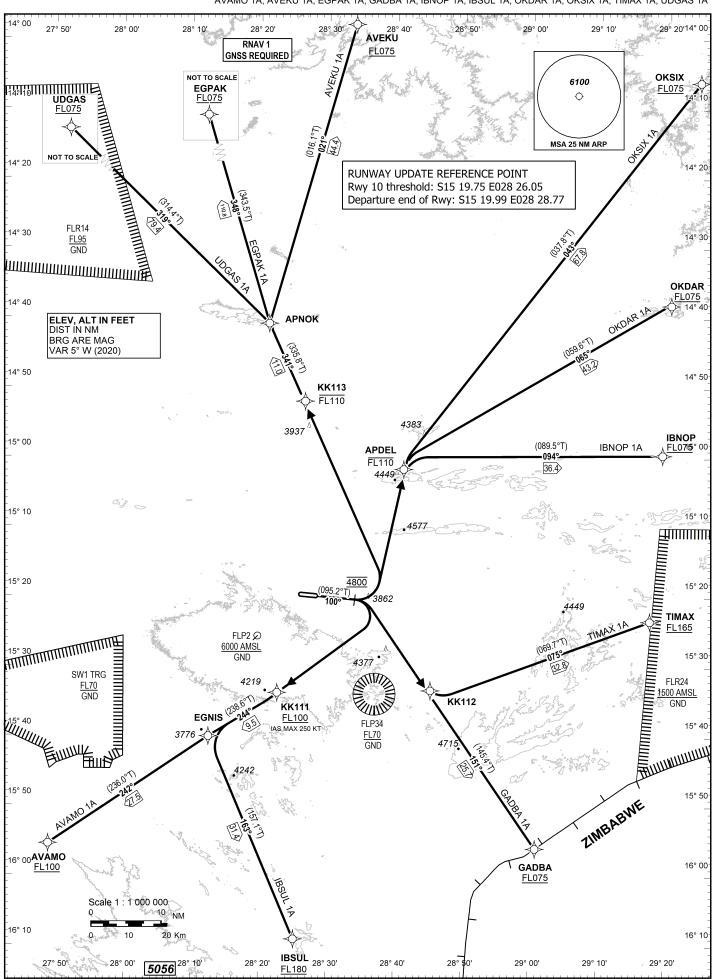
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE 6000 APP 121.300 120.100 TWR 118.100

KENNETH KAUNDA INTL/Lusaka (FLKK) RNAV SID RWY 10

AVAMO 1A, AVEKU 1A, EGPAK 1A, GADBA 1A, IBNOP 1A, IBSUL 1A, OKDAR 1A, OKSIX 1A, TIMAX 1A, UDGAS 1A



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AVAMO 1A, AVEKU 1A, EGPAK 1A, GADBA 1A, IBNOP 1A, IBSUL 1A, OKDAR 1A, OKSIX 1A, TIMAX 1A, UDGAS 1A

ABUL	AR DES	CRIPTIO	N									
NAV SI VAMO 1	D RWY 10											
Serial	Path	Waypoint	Fly-	0 140/70	Magnetic	Distance (NM) /	Turn	AUT L (ET)	Speed Limit	L/D4 (0/)	Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration ´	Direction	Altitude (FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1
020	DF	KK111	-	-	-	-	-	+FL100	-250	-	-	RNAV 1
030	TF	EGNIS	-	244 (238.6)	-	9.5	-	-	-	-	-	RNAV 1
040 VEKU 1 <i>A</i>	TF	AVAMO	-	242 (236.0)	-	27.5	-	+FL100	-	-	-	RNAV 1
		Marmaint			Magnetic	Dietones (MM) /	Turn		Conned Limit		Поо	Maulantina
Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Navaids	Navigation Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1
020	DF	KK113	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF	APNOK	-	341 (335.8)	-	11.0	-	-	-	-	-	RNAV 1
040	TF	AVEKU	-	021 (016.0)	-	44.4	-	+FL075	-	-	-	RNAV 1
GPAK 1	4											
Serial	Path	Waypoint	Fly-	Cause Mo(To)	Magnetic	Distance (NM) /	Turn	Altitude (FT)	Speed Limit	VPA (%)	Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration	Direction	Altitude (FT)	· (KT)	VPA (%)	Navaids	Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1
020	DF	KK113	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF	APNOK	-	341 (335.8)	-	11.0	-		-	-	-	RNAV 1
040	TF	EGPAK	-	348 (343.5)	-	110.8	-	+FL075	-	-	-	RNAV 1
ADBA 1	1	Ι.,,	Τ	I	Ι		Ι -	1	0	I		
Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Navaids	Navigation Specification
010	CA	lucitinei	-	100 (095.2)	-5.3	- Duration	- Direction	@4800	- (K1)	_		RNAV 1
020	DF	KK112	-	100 (093.2)	-0.0	-	_	<u>@</u> 4000	-	-	-	RNAV 1
030	TF	GADBA	-	151 (145.4)	-	25.7	-	+FL075	-	-	-	RNAV 1
NOP 1A				, , ,	•	•						
Serial		Mounaint	Fly-		Magnetie	Dietones (NM) /	Turn		Coood Limit		Doo	Movination
Number	Path Descriptor	Waypoint Identifier	over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Navaids	Navigation Specification
010	CA	_	-	100 (095.2)	-5.3	-	_	@4800	-	-	_	RNAV 1
020	DF	APDEL	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF	IBNOP	-	094 (089.5)	-	36.4	-	+FL075	-	-	-	RNAV 1
SSUL 1A												
Serial	Path	Waypoint	Fly-	Course M°(T°)	Magnetic	Distance (NM) /	Turn	Altitude (FT)	Speed Limit	VPA (%)	Rec	Navigation
Number	Descriptor	Identifier	over	Course W (1)	Variation (°	Duration	Direction	Allitude (1 1)	(KT)	VFA (70)	Navaids	Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1
020	DF	KK111	-	-	-	-	-	+FL110	-250	-	-	RNAV 1
030	TF TF	EGNIS	-	244 (238.6)	-	9.5	-	- . El 100	-	-	-	RNAV 1
040 KDAR 1	·	IBSUL	-	163 (157.1)	-	31.4	-	+FL180	-	-	-	RNAV 1
		147	Τ,,		14	D':/ (4/10 /	T		0		D	Mar Conflor
Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Navaids	Navigation Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	_	-	RNAV 1
020	DF	APDEL	 -	-	-0.0	-	-	-FL110	-	<u> </u>	-	RNAV 1
030	TF	OKDAR	-	065 (059.6)	-	43.2	-	+FL075	-	-	-	RNAV 1
KSIX 1A				, ,	•	•						
Serial	Path	Waypoint	Fly-	O 449/T9)	Magnetic	Distance (NM) /	Turn	AUT L (ET)	Speed Limit	1/D4 (0()	Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration ´	Direction	Altitude (FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1
020	DF	APDEL	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF	OKSIX	-	043 (037.8)	-	67.8	-	+FL075	-	-	-	RNAV 1
IMAX 1A		1	1	ı		1				1		
Serial	Path	Waypoint	Fly-	Course M°(T°)	Magnetic	Distance (NM) /	Turn	Altitude (FT)	Speed Limit	VPA (%)	Rec Navaids	Navigation
Number	Descriptor	Identifier	over	` ′	Variation (°)	Duration	Direction	' '	(KT)	<u> </u>	Navaids	Specification
010 020	CA DF	- KK112	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1 RNAV 1
020	TF	TIMAX	-	075 (069.7)	-	32.8	-	- +FL165	-	-	-	RNAV 1
DGAS 1		1 11111/7/	1	1 0.0 (000.1)	1	1 02.0	1	1 1100		1		TAIWAV I
Serial	Path	Waypoint	Fly-		Magnetic	Distance (NM) /	Turn		Speed Limit		Rec	Navigation
Seriai Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Distance (NM) / Duration	Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Navaids	Specification
010	CA	-	-	100 (095.2)	-5.3	-	-	@4800	-	-	-	RNAV 1
020	DF	KK113	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF	APNOK	-	341 (335.8)	-	11.0	-	-	-	-	-	RNAV 1
	TF	UDGAS		319 (314.4)		79.4						

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AVAMO 1A, AVEKU 1A, EGPAK 1A, GADBA 1A, IBNOP 1A, IBSUL 1A, OKDAR 1A, OKSIX 1A, TIMAX 1A, UDGAS 1A

WAYPOINT LIST RNAV SID RWY 10

WaypointIdentifier	Coordinates					
APDEL	S 15 00 00.1	E 028 41 43.7				
APNOK	S 14 40 54.2	E 028 21 15.1				
AVAMO	S 15 55 29.0	E 027 48 48.0				
AVEKU	S 13 58 00.0	E 028 33 54.0				
EGNIS	S 15 40 05.0	E 028 12 27.9				
EGPAK	S 12 54 06.0	E 027 49 06.0				
GADBA	S 15 56 03.2	E 029 00 53.2				
IBNOP	S 14 59 36.0	E 029 19 18.0				
IBSUL	S 16 09 09.0	E 028 25 10.0				
KK111	S 15 35 05.9	E 028 20 54.9				
KK112	S 15 34 50.2	E 028 45 45.9				
KK113	S 14 50 59.7	E 028 25 54.7				
OKDAR	S 14 38 00.0	E 029 20 12.0				
OKSIX	S 14 06 12.0	E 029 24 30.0				
TIMAX	S 15 23 24.0	E 029 17 36.0				
UDGAS	S 13 44 59.6	E 027 22 58.5				

ROUTING

NAME	TEXT						
AVAMO 1A	After take-off climb on course 100° to 4800 FT, turn RIGHT direct to KK111, then track 244° to EGNIS , then track 242° to AVAMO. IAS 250kt until KK111.						
	MCA/MCL: KK111 AT or ABOVE FL100, AVAMO AT or ABOVE FL100.						
AVEKU 1A	After take-off climb on course 100° to 4800 FT, turn LEFT direct to KK113, then track 341° to APNOK, then track 021° to AVEKU.						
	MCA/MCL: KK110 AT or BELOW FL110, AVEKU AT or ABOVE FL075						
EGPAK 1A	After take-off climb on course 100° to 4800 FT, turn LEFT direct to KK113, then track 341° to APNOK, then track 348° to EGPAK.						
	MCA/MCL: KK110 AT or BELOW FL110, EGPAK AT or ABOVE FL075.						
GADBA 1A	After take-off climb on course 100° to 4800 FT, turn RIGHT direct to KK112, then track 151° to GADB A.						
	MCA/MCL: GADBA AT or ABOVE FL075.						
IBNOP 1A	After take-off climb on course 100° to 4800 FT, turn LEFT direct to APDEL, then track 094° to IBNOP.						
	MCA/MCL: APDEL AT or BELOW FL110, IBNOP AT or ABOVE FL075.						
IBSUL 1A	After take-off climb on course 100° to 4800 FT, turn RIGHT direct to KK111, then track 244° to EGNIS , then track 163° to IBSUL. IAS 250kt until KK111.						
	MCA/MCL: KK111 AT or ABOVE FL110, IBSUL AT or ABOVE FL180.						
OKDAR 1A	After take-off climb on course 100° to 4800 FT, turn LEFT direct to APDEL, then track 065° to OKDAR.						
	MCA/MCL: APDEL AT or BELOW FL110, OKDAR AT or ABOVE FL075.						
OKSIX 1A	After take-off climb on course 100° to 4800 FT, turn LEFT direct to APDEL, then track 043° to OKSIX.						
	MCA/MCL: APDEL AT or BELOW FL110, OKSIX AT or ABOVE FL075.						
TIMAX 1A	After take-off climb on course 100° to 4800 FT, turn RIGHT direct to KK112, then track 075° to TIMA X.						
	MCA/MCL: TIMAX AT or ABOVE FL165.						
UDGAS 1A	After take-off climb on course 100° to 4800 FT, turn LEFT direct to KK113, then track 341° to APNOK, then track 319° to UDGAS.						
	MCA/MCL: KK110 AT or BELOW FL110, UDGAS AT or ABOVE FL075.						