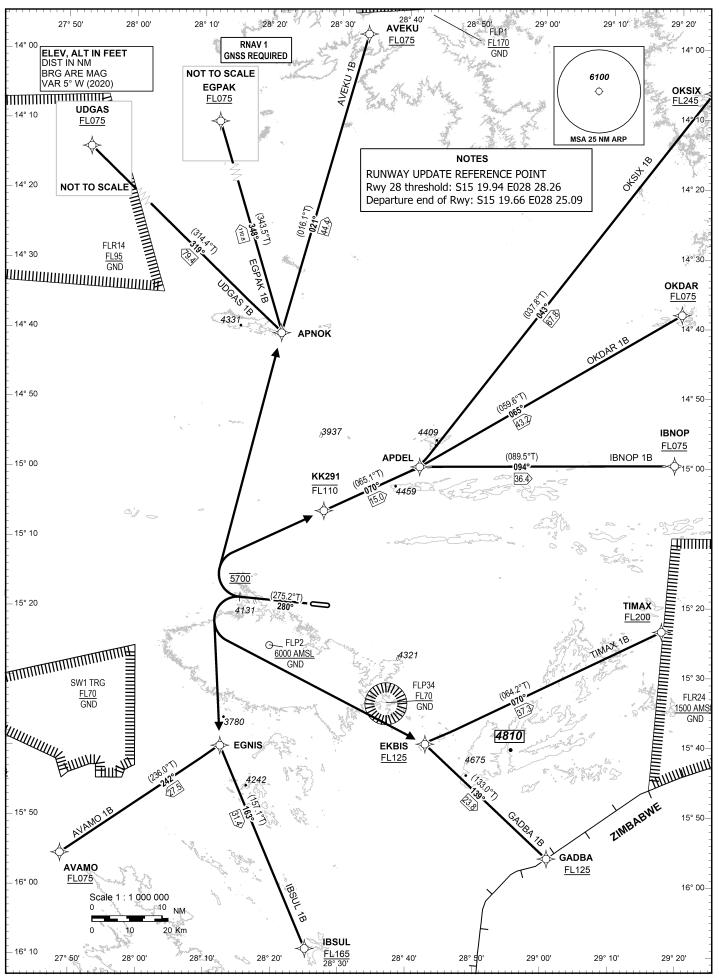
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE 6000 APP 121.300 120.100 TWR 118.100 KENNETH KAUNDA INTL/Lusaka (FLKK) RNAV SID RWY 28

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



## STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

KENNETH KAUNDA INTL/Lusaka (FLKK) RNAV SID RWY 28

 $AVAMO\ 1B,\ AVEKU\ 1B,\ EGPAK\ 1B,\ GADBA\ 1B,\ IBNOP\ 1B,\ IBSUL\ 1B,\ OKDAR\ 1B,\ OKSIX\ 1B,\ TIMAX\ 1B,\ UDGAS\ 1B$ 

NAV SI VAMO 1I	D RWY 28 B											
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	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF TF	EGNIS AVAMO	-	242 (236.0)	-	27.5	-	- +FL075	-	-	-	RNAV 1 RNAV 1
VEKU 1E		AVAIVIO	ļ -	242 (230.0)	-	21.5		+FL075		-	-	RIVAVI
Serial	Path	Waypoint	Fly-		Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit	Ī	Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration	Direction	(FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF	APNOK	-	-	-	- 44.4	-	-	-	-	-	RNAV 1
030 GPAK 1E	TF	AVEKU	-	021 (016.1)	-	44.4	-	+FL075	-	-	-	RNAV 1
Serial	Path	Waypoint	Fly-		Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit		Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Distance (NW) / Duration	Direction	(FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF	APNOK	-	-	-	-	-	-	-	-	-	RNAV 1
030	TF	EGPAK	-	348 (343.5)	-	110.8	-	+FL075	-	-	-	RNAV 1
ADBA 1		I	1	I	T	I	T _		T	1		
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	-	- OVE	280 (275.2)	-5.3	- Duration	- Direction	@5700	(K1)	_	Ivavaius	RNAV 1
020	DF	EKBIS	-	-	-5.5	-	-	+FL125	-	-	-	RNAV 1
030	TF	GADBA	-	139 (133.0)	-	23.8	-	+FL125	-	-	-	RNAV 1
BNOP 1B									,			
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	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF	KK291	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF TF	APDEL IBNOP	-	070 (065.1) 094 (089.5)	-	15.0 36.4	-	- +FL075	-	-	-	RNAV 1 RNAV 1
BSUL 1B	IF	IBNOP	l -	094 (009.5)	-	30.4	-	+FLU/5	-	-	-	KINAV I
Serial	Path	Waypoint	Fly-	Course M°(T°)	Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit	VPA (%)	Rec	Navigation
Number	Descriptor	Identifier	over	, ,	Variation (°)	Duration	Direction	(FT)	(KT)	(///	Navaids	Specification
010 020	CA DF	- EGNIS	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1 RNAV 1
030	TF	IBSUL	-	163 (157.1)	-	31.4	-	+FL165	-	-	-	RNAV 1
KDAR 1				1 ()	1		1	. =	1	1		
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	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF	KK291	-	-	-	-	-	-FL110	-	-	-	RNAV 1
030	TF	APDEL	-	070 (065.1)	-	15.0	-	-	-	-	-	RNAV 1
040 OKSIX 1B	TF	OKDAR	-	065 (059.6)	-	43.2	-	+FL075	-	-	-	RNAV 1
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	- Identilier	- Over	280 (275.2)	-5.3	- Duration	- Direction	@5700	- (K1)	-	- Ivavaius	RNAV 1
020	DF	KK291	-	-	-5.5	-	-	-FL110	-	-	-	RNAV 1
030	TF	APDEL	-	070 (065.1)		15.0	-	-	-	-	-	RNAV 1
040 TMAX 1B	TF	OKSIX	-	043 (037.8)	-	67.7	-	+FL245	-	-	-	RNAV 1
Serial	Path	Waypoint	Fly-	0	Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit	1/51 ::::	Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration	Direction	(FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF	EKBIS	-	-	-	-	-	+FL125	-	-	-	RNAV 1
030 DGAS 1E	TF	TIMAX	-	070 (064.2)	-	37.3		+FL200	-	-	-	RNAV 1
	1	Mouneint	Г.		Magnatic	Diotonos (NIA) /	Turn	A 14:4l	Spood I imit		Pag	Novigation
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	-	-	280 (275.2)	-5.3	-	-	@5700	-	-	-	RNAV 1
020	DF	APNOK	-		-	-	-		-	-	-	RNAV 1
030	TF	UDGAS	-	319 (314.4)	-	79.4	-	+FL075	_	_	-	RNAV 1

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

## WAYPOINT LIST RNAV SID RWY 28

WaypointIdentifier	Coor	dinates	WaypointIdentifier	Coordinates		
APDEL	S 15 00 00.1	E 028 41 43.7	TIMAX	S 15 23 24.0	E 029 17 36.0	
APNOK	S 14 40 54.2	E 028 21 15.1	UDGAS	S 13 44 59.6	E 027 22 58.5	
AVAMO	S 15 55 29.0	E 027 48 48.0				
AVEKU	S 13 57 60.0	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				
EKBIS	S 15 39 44.6	E 028 42 48.5				
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				
KK291	S 15 06 22.8	E 028 27 37.7				
OKSIX	S 14 06 12.0	E 029 24 30.0				

## **ROUTING**

NAME	TEXT					
AVAMO 1B	After take-off climb on course 280° to 5700 FT, turn LEFT direct to EGNIS, then track 242° to AVAMO.					
	MCA/MCL: AVAMO AT or ABOVE FL075.					
AVEKU 1B	After take-off climb on course 280° to 5700 FT, turn RIGHT direct to APNOK, then track 021° to AVEKU .					
	MCA/MCL: AVEKU AT or ABOVE FL075.					
EGPAK 1B	After take-off climb on course 280° to 5700 FT, turn RIGHT direct to APNOK, then track 348° to EGPAK .					
	MCA/MCL: EGPAK AT or ABOVE FL075.					
GADBA 1B	After take-off climb on course 280° to 5700 FT, turn LEFT direct to EKBIS, then track 139° to GADBA .					
	MCA/MCL: EKBIS AT or ABOVE FL125, GADBA AT or ABOVE FL125.					
IBNOP 1B	After take-off climb on course 280° to 5700 FT, turn RIGHT direct to KK291, then track 070° to APDEL , then track 094° to IBNO P.					
	MCA/MCL: KK291 AT or BELOW FL110, IBNOP AT or ABOVE FL075.					
IBSUL 1B	After take-off climb on course 280° to 5700 FT, turn LEFT direct to EGNIS, then track 163° to IBSUL.					
	MCA/MCL: IBSUL AT or ABOVE FL165.					
OKDAR 1B	After take-off climb on course 280° to 5700 FT, turn RIGHT direct to KK291, then track 070° to APDEL , then track 065° to OKDAR.					
	MCA/MCL: KK291 AT or BELOW FL110, OKDAR AT or ABOVE FL075.					
OKSIX	After take-off climb on course 280° to 5700 FT, turn RIGHT direct to KK291, then track 070° to APDEL , then track 043° to OKSIX.					
	MCA/MCL: KK291 AT or BELOW FL110, OKSIX AT or ABOVE FL245.					
TIMAX 1B	After take-off climb on course 280° to 5700 FT, turn LEFT direct to EKBIS, then track 070° to TIMAX .					
	MCA/MCL: EKBIS AT or ABOVE FL125, TOMAX AT or ABOVE FL200.					
UDGAS 1B	After take-off climb on course 280° to 5700 FT, turn RIGHT direct to APNOK, then track 319° to UDGAS .					
	MCA/MCL: UDGAS AT or ABOVE FL075.					