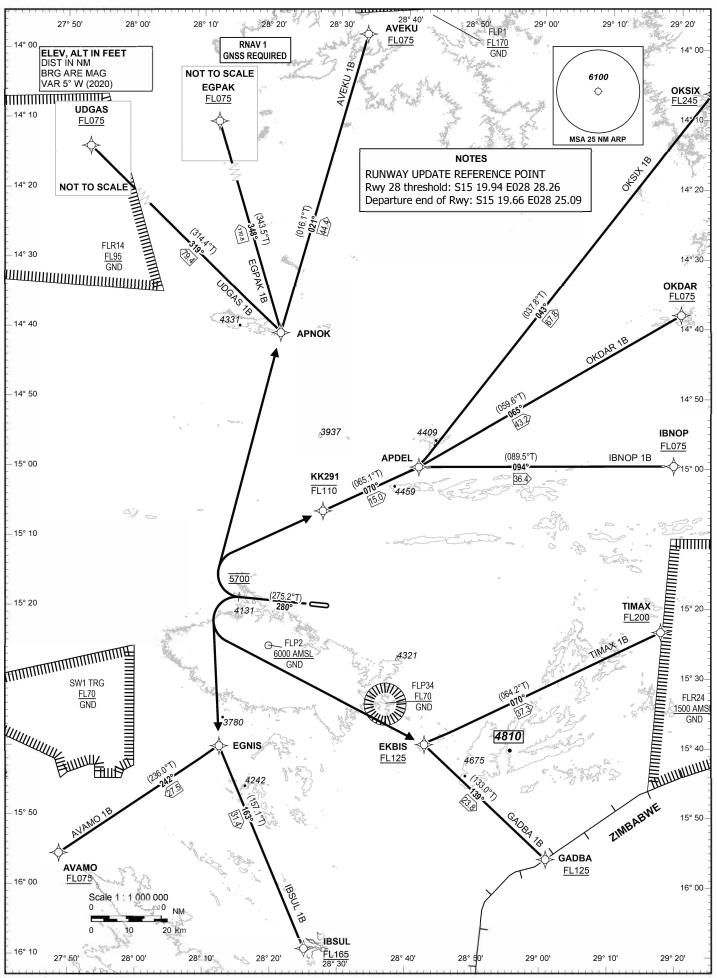
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

O 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



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

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VAMO 1		Ŀ			3		T: 2		Т			
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		S+S	- 51	RNAV 1
020	DF	EGNIS	-	(a)		74	an.	1	- 12	114	29	RNAV 1
030	TF	AVAMO	+	242 (236.0)		27.5		+FL075			- 9	RNAV 1
VEKU 1E	3	72		,	70	v.			100			
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		æ	@5700	91	8 2 5	46	RNAV 1
020	DF	APNOK	7.0	120	1		30		17.	950	51	RNAV 1
030	TF	AVEKU		021 (016.1)	-	44.4	- 35	+FL075	- 1	- 1	40	RNAV 1
GPAK 1		ř .	_	Ī	1	ī	1		Ť	î ·		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	2	25	280 (275.2)	-5.3	. 12	125.	@5700	- 14	856	28	RNAV 1
020	DF	APNOK	10) .				it:	55	RNAV 1
030	TF	EGPAK	-	348 (343.5)	2	110.8		+FL075	127		27	RNAV 1
ADBA 1	T	i	1	Ì	Ť	Ť	ř .		Ĭ			
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	3	- 2	280 (275.2)	-5.3		275	@5700	22/	884	35	RNAV 1
020	DF	EKBIS	+	e).		9	543	+FL125	191		÷	RNAV 1
030	TF	GADBA	<u></u>	139 (133.0)		23.8	3 0	+FL125	17.)			RNAV 1
BNOP 1B	1	I	1	1	1		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		=:	280 (275.2)	-5.3	37	658	@5700	:e:1	053	33	RNAV 1
020	DF	KK291	- 2	070 (007 ()		47.0	90	-FL110	- 12/	1.2	29	RNAV 1
030	TF TF	APDEL IBNOP	+	070 (065.1)		15.0	(3)	+FL075	191	100	#3 #3	RNAV 1
040 BSUL 1B	I IF	IBNOP	2	094 (089.5)	3	36.4	228	+FLU/5	- 12	1.55	27	RNAV 1
	D. #	144	T = 1		1	D: / / AHA /	T -	All'i d	0		Div	M. C. C.
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	± 501110		280 (275.2)	-5.3	- 1	548	@5700	95/	9.50	1.5	RNAV 1
020	DF TF	EGNIS IBSUL		163 (157.1)	-	31.4	5-9	+FL165	14.1	043	- 20	RNAV 1
KDAR 1	4	IBOOL		100 (107.1)		31.4	35	+1 L 103	7.7	\E-	5:	I MAV I
	T	I Marina start	T		1	Distance (MA) /	T	A 14:4 d =	0	ſ	D	Mandandina
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	it.	(4)	@5700			+1	RNAV 1
020	DF	KK291	- 2	070 (005.4)	2	15.0	724	-FL110	72/	1.02	27	RNAV 1
030	TF TF	APDEL OKDAR		070 (065.1) 065 (059.6)	9	15.0 43.2		+FL075	-	100	#1	RNAV 1 RNAV 1
KSIX 1B		UNDAR		005 (059.0)		43.2		+FLU/5				RIVAVI
Serial Number	Path	Waypoint Identifier	Fly- over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) /	Turn Direction	Altitude	Speed Limit	VPA (%)	Rec Navaids	Navigation Specification
	Descriptor	raciuliei	-	200 (275 2)		Durauon	 	(FT)	(KT)	-	ivavaius	
010	CA DF	KK291	10	280 (275.2)	-5.3		22	@5700 -FL110	(#1)	150	- 1: 2:	RNAV 1 RNAV 1
030	TF	APDEL	-	070 (065.1)	-	15.0	-	-FL110			-	RNAV 1
040	TF	OKSIX	1	043 (037.8)		67.7	(a)	+FL245	- 6	14	2	RNAV 1
IMAX 1B	4	66			W.	200			10	De .		in the second
Serial	Path	Waypoint	Fly-	0	Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit	L/D4 ::::	Rec	Navigation
Number 010	Descriptor	Identifier	over	Course M°(T°) 280 (275.2)	Variation (°)	Duration -	Direction	(FT) @5700	(KT)	VPA (%)	Navaids	Specification RNAV 1
020	DF	EKBIS	2 2	200 (213.2)	-0.3		276 5 645	+FL125	1 14	3.54	40	RNAV 1
030	TF	TIMAX	-	070 (064.2)	-	37.3		+FL200		9.50	*:	RNAV 1
DGAS 1	1	10		- ()	111 27	2	10		35			
Serial	Path	Waypoint	Fly-	0	Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit	L/DA (01)	Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration	Direction	(FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	3	20	280 (275.2)	-5.3		225	@5700	757	550	27	RNAV 1
020	DF	APNOK		*(- 30		31	(+:	*(RNAV 1
030	TF	UDGAS	- 5	319 (314.4)	-	79.4	140	+FL075	S.			RNAV 1

CHANGE: New Chart

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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	Coo	rdinates
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 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			
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.					

CHANGE: New Chart