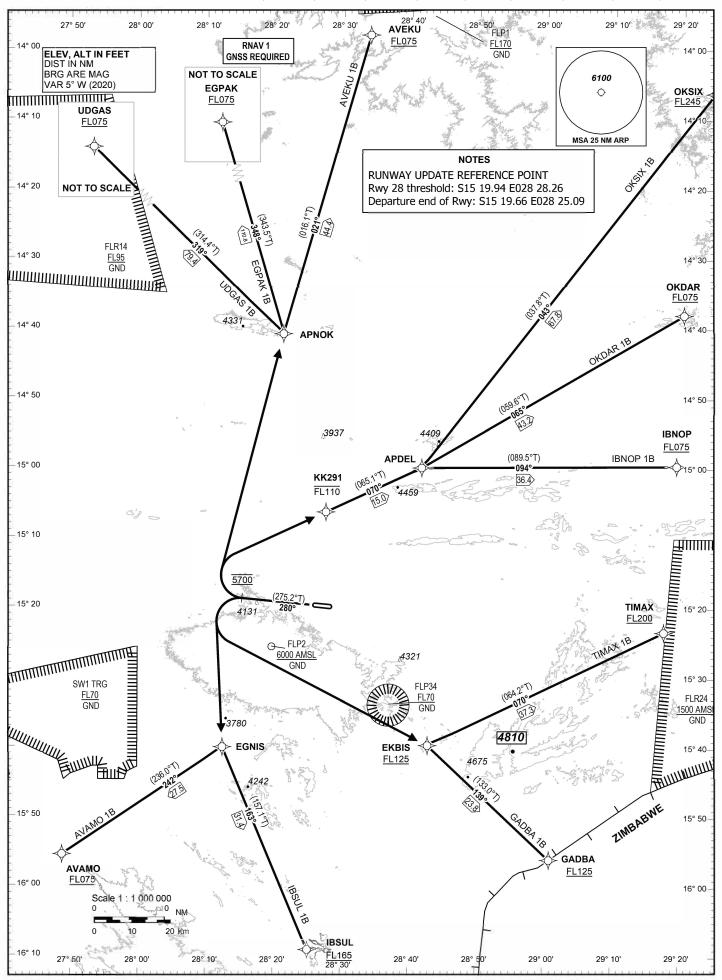
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

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

 ${\sf AVAMO~1B,~AVEKU~1B,~EGPAK~1B,~GADBA~1B,~IBNOP~1B,~IBSUL~1B,~OKDAR~1B,~OKSIX~1B,~TIMAX~1B,~UDGAS~1B} \\$

NAV SI VAMO 11	D RWY 28	L										
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		- 11	280 (275.2)	-5.3) te	200	@5700	31	(\$t)	- 51	RNAV 1
020	DF	EGNIS	- 2	0.40.4000.00		07.5		F1.075	12/	14	29	RNAV 1
030	TF.	AVAMO	+	242 (236.0)		27.5	- 30	+FL075	19.		÷:	RNAV 1
/EKU 1E		I	-	1		T 5: 4 44.0 /	T -				_	
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		.21	@5700	(417)	1,245	2/	RNAV 1
020	DF	APNOK	-	200 (210.2)				-			-	RNAV 1
030	TF	AVEKU	-	021 (016.1)	-	44.4	3 1	+FL075	· 14	144	20	RNAV 1
GPAK 1E	3					_						
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)	1,71(70)	Navaids	Specification
010	CA	ADMOK	20	280 (275.2)	-5.3	. 72	325.	@5700	. 841	A26	20	RNAV 1
020	DF TF	APNOK EGPAK	1 2	348 (343.5)	6	110.8		+FL075	127	(15)	# # T	RNAV 1
ADBA 1		EGFAN	1	340 (343.5)	1 -	110.0	1:	+FL073	L	1 -		NNAV I
Serial	Path	Mouncint	Fly-		Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit		Rec	Navigation
Seriai Number	Descriptor	Waypoint Identifier	over	Course M°(T°)	Variation (°)	Distance (NM) / Duration	Direction	(FT)	(KT)	VPA (%)	Navaids	Specification
010	CA	-	-	280 (275.2)	-5.3		175	@5700		250	24	RNAV 1
020	DF	EKBIS	-	=	+	3	98	+FL125	141	100	÷	RNAV 1
030	TF	GADBA	-8	139 (133.0)	2	23.8	30	+FL125	650	950	2	RNAV 1
NOP 1B					1		F					
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	CA	144004	=======================================	280 (275.2)	-5.3	3 7	658	@5700	E-1	0.63	55	RNAV 1
020	DF TF	KK291 APDEL	- 2	070 (065.1)	-	15.0	-	-FL110			29 J	RNAV 1 RNAV 1
040	TF	IBNOP	2	094 (089.5)	3	36.4	22	+FL075	10	755	27	RNAV 1
SUL 1B				1 ()	1				l-	-		
Serial	Path	Waypoint	Fly-		Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit		Rec	Navigation
Number	Descriptor	Identifier	over	Course M°(T°)	Variation (°)	Duration '	Direction	(FT)	(KT)	VPA (%)	Navaids	Specification
010	CA		20	280 (275.2)	-5.3	đ.	578	@5700	150	953	11	RNAV 1
020	DF	EGNIS		E0.	Θ.	, 12	(626)		(S)	043	20	RNAV 1
030	TF	IBSUL	*	163 (157.1)		31.4	. 35	+FL165			5	RNAV 1
KDAR 1	1	F	1	1	1	r	0 _ 0	·	F	f .		
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	Tuentiner	-	280 (275.2)	-5.3	Duration	Direction	@5700	(1(1)		Ivavaius	RNAV 1
020	DF	KK291	2	200 (273.2)	-5.5	2	22	-FL110	10	1989 1987	27	RNAV 1
030	TF	APDEL	1	070 (065.1)	-	15.0		-			+0	RNAV 1
040	TF	OKDAR	- 5	065 (059.6)	9 6	43.2	3	+FL075			Ē	RNAV 1
040												
			_	I	Magnetic	Distance (NM) /	Turn	Altitude	Speed Limit	VPA (%)	Rec	Navigation
KSIX 1B Serial	Path	Waypoint	Fly-	Course M°/T°)	1 1/1 1/11		l 5: :-		(KT)	1	Navaids	Specification
KSIX 1B Serial Number	Descriptor	Identifier	Fly- over	Course M°(T°)	Variation (°)	Duration	Direction	(FT)	-	+		
KSIX 1B Serial Number 010	Descriptor CA	Identifier -	over -	Course M°(T°) 280 (275.2)	-5.3	Duration ´	75	@5700	(81	2.5	- 5	RNAV 1
Serial Number 010 020	Descriptor CA DF	Identifier - KK291	over -	280 (275.2)	-5.3	Duration -	32		181 141	(E)	2	RNAV 1
Serial Number 010 020 030	Descriptor CA DF TF	Identifier KK291 APDEL	over -	280 (275.2) 070 (065.1)	-5.3	Duration 15.0	75	@5700 -FL110	(81	552 553 554 554	-	RNAV 1 RNAV 1
Serial Number 010 020 030 040	Descriptor CA DF	Identifier - KK291	over -	280 (275.2)	-5.3 -	Duration -		@5700		it.	£1 55	RNAV 1
Serial Number 010 020 030 040 IMAX 1B Serial	Descriptor CA DF TF TF Path	Identifier KK291 APDEL OKSIX Waypoint	over	280 (275.2) 070 (065.1)	-5.3	Duration 15.0 67.7 Distance (NM) /	Turn	@5700 -FL110 - +FL245	Speed Limit	it.	- - Rec	RNAV 1 RNAV 1 RNAV 1
Serial Number 010 020 030 040 IMAX 1B Serial Number	Descriptor CA DF TF TF Path Descriptor	Identifier KK291 APDEL OKSIX	over	280 (275.2) - 070 (065.1) 043 (037.8) Course M°(T°)	-5.3 Magnetic Variation (°)	Duration	Turn Direction	@5700 -FL110 -+FL245 Altitude (FT)	Speed Limit (KT)	19 <u>4</u> 2	Rec Navaids	RNAV 1 RNAV 1 RNAV 1 RNAV 1
Serial Number 010 020 030 040 IMAX 1B Serial Number 010	Descriptor CA DF TF TF Path Descriptor CA	Identifier KK291 APDEL OKSIX Waypoint Identifier	over	280 (275.2) - 070 (065.1) 043 (037.8)	-5.3 Magnetic Variation (°) -5.3	Duration 15.0 67.7 Distance (NM) / Duration	Turn Direction	@5700 -FL110 - +FL245 Altitude (FT) @5700	Speed Limit (KT)	VPA (%)	Rec Navaids	RNAV 1 RNAV 1 RNAV 1 RNAV 1 Navigation Specification RNAV 1
Serial Number 010 020 030 040 IMAX 1B Serial Number	Descriptor CA DF TF TF Path Descriptor	Identifier KK291 APDEL OKSIX Waypoint	over	280 (275.2) - 070 (065.1) 043 (037.8) Course M°(T°)	-5.3 Magnetic Variation (°)	Duration 15.0 67.7 Distance (NM) /	Turn Direction	@5700 -FL110 -+FL245 Altitude (FT)	Speed Limit (KT)	19 <u>4</u> 2	Rec Navaids	RNAV 1 RNAV 1 RNAV 1 RNAV 1
Serial Number 010 020 030 040 MMAX 1B Serial Number 010 020	Descriptor CA DF TF TF Path Descriptor CA DF TF	Identifier KK291 APDEL OKSIX Waypoint Identifier EKBIS	over	280 (275.2) 070 (065.1) 043 (037.8) Course M°(T°) 280 (275.2)	-5.3 Magnetic Variation (°) -5.3	Duration 15.0 67.7 Distance (NM) / Duration	Turn Direction	@5700 -FL110 - +FL245 Allitude (FT) @5700 +FL125	Speed Limit (KT)	VPA (%)	Rec Navaids	RNAV 1 RNAV 1 RNAV 1 RNAV 1 Navigation Specification RNAV 1 RNAV 1
Serial Number 010 020 030 040 MAX 1B Serial Number 010 020 030 DGAS 1E Serial	Descriptor CA DF TF TF Path Descriptor CA DF TF Path Descriptor CA DF TF TF	Identifier KK291 APDEL OKSIX Waypoint Identifier EKBIS	over	280 (275.2) 070 (065.1) 043 (037.8) Course M°(T°) 280 (275.2)	-5.3 Magnetic Variation (°) -5.3 Magnetic	Duration -	Tum Direction	@5700 -FL110 - +FL245 Allitude (FT) @5700 +FL125 +FL200 Altitude	Speed Limit (KT)	VPA (%)	Rec Navaids	RNAV 1 RNAV 1 RNAV 1 RNAV 1 Navigation Specification RNAV 1 RNAV 1 RNAV 1 Navigation
Serial Number 010 020 030 040 010 020 030 040 010 020 030 040 040 040 040 040 040 040 040 04	Descriptor CA DF TF TF Path Descriptor CA DF TF 3 Path Descriptor	Identifier KK291 APDEL OKSIX Waypoint Identifier EKBIS TIMAX Waypoint	Fly-over	280 (275.2) 070 (065.1) 043 (037.8) Course M°(T°) 280 (275.2) 070 (064.2) Course M°(T°)	-5.3 Magnetic Variation (°) -5.3 Magnetic Variation (°)	Duration 15.0 67.7 Distance (NM) / Duration 37.3	Tum Direction	@5700 -FL110 - +FL245 Altitude (FT) @5700 +FL125 +FL200 Altitude (FT)	Speed Limit (KT) Speed Limit (KT)	VPA (%)	Rec Navaids	RNAV 1
Serial Number 010 020 030 Number 010 020 030 040 Number 010 020 030 040 040 Number 010 020 030 DGAS 18	Descriptor CA DF TF TF Path Descriptor CA DF TF Path Descriptor CA DF TF TF	Identifier KK291 APDEL OKSIX Waypoint Identifier EKBIS TIMAX Waypoint Identifier	Fly-over	280 (275.2) 070 (065.1) 043 (037.8) Course M°(T°) 280 (275.2) 070 (064.2)	-5.3 Magnetic Variation (°) -5.3 Magnetic	Duration 15.0 67.7 Distance (NM) / Duration 37.3 Distance (NM) / Duration	Tum Direction	@5700 -FL110 - +FL245 Allitude (FT) @5700 +FL125 +FL200 Altitude	Speed Limit (KT)	VPA (%)	Rec Navaids	RNAV 1 RNAV 1 RNAV 1 RNAV 1 Navigation Specification RNAV 1 RNAV 1 RNAV 1 Navigation

CHANGE: New Chart

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

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 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