AGENCE POUR LA SÉCURITÉ DE LA NAVIGATION AÉRIENNE EN AFRIQUE ET À MADAGASCAR

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BUREAU NOTAM INTERNATIONAL
DE L'AFRIQUE CENTRALE

B.P. 660 BRAZZAVILLE - CONGO

AIRAC AIP SUP
NR 53/A/25FC
12 JUN 2025

CAMEROUN – CENTRAFRIQUE – CONGO – GABON – GUINEE ÉQUATORIALE – SAO TOME – TCHAD

DOUALA - FKKD

MISE A JOUR DES INFORMATIONS AERONAUTIQUES
AERONAUTICAL INFORMATION UPDATE

Effective date	**07 AUG 2025**
Validity	**PERM**

Ce supplément a pour objectif d'informer les usagers de la mise à jour des procédures de vols de l'aérodrome de DOUALA	*This supplement is published to inform users of the update of flight procedures of DOUALA aerodrome.*

ENR 4.4 INDICATIFS CODES DES POINTS SIGNIFICATIFS
NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
DISDO	03°54'39.58"N 009°54'25.07"E ~~03°54'39.20"N 009°54'25"E~~	DOUALA IAF

FKKD — AD 2.17 ESPACE AÉRIEN ATS
ATS AIRSPACE

Désignation et limites latérales *Designation and laterals limits*	Limites verticales *Vertical limits*	Classification de l'espace aérien *Airspace classification*	Indicatif d'appel et langues de l'organe *ATS unit call sign/Languages*	Altitude de transition *Transition altitude*	Observations *Remarks*
1	2	3	4	5	6
CTR DOUALA Cercle de 30 NM de rayon centré sur DOUALA VOR/DME "DLA" 03°59'38.10"N - 009°44'36.50"E	900 M AMSL ------------ SOL - MER	c	DOUALA TOUR DOUALA TOWER Français (Fr) Anglais (En)	3500FT ~~2200 FT~~	

La frequence 129,5 Mhz est utilisée comme secours quand la fréquence TWR 119.7Mhz n'est pas disponible
Frequency 129.5 Mhz is used as backup when TWR frequency 119.7 Mhz is not AVBL

ASECNA AIP MODIFY PAGES:

- 00ENR4.4-4
- 03 AD-2.FKKD-10
- 03AD2-FKKD-IAC-ILSY30
- 03AD2-FKKD-IAC-ILSY30-DATA
- 03AD2-FKKD-IAC-ILSZ30
- 03AD2-FKKD-IAC-RNP12
- 03AD2-FKKD-IAC-RNP12-DATA
- 03AD2-FKKD-IAC-RNP30
- 03AD2-FKKD-IAC-RNP30-DATA
- 03AD2-FKKD-IAC-VOR12
- 03AD2-FKKD-IAC-VOR30
- 03AD2-FKKD-SID-CCO-12
- 03AD2-FKKD-SID-CCO-12-DATA
- 03AD2-FKKD-SID-CCO-30
- 03AD2-FKKD-SID-CCO-30-DATA
- 03AD2-FKKD-STAR-CDO-12
- 03AD2-FKKD-STAR-CDO-12-DATA
- 03AD2-FKKD-STAR-CDO-30
- 03AD2-FKKD-STAR-CDO-30-DATA
- 03AD2-FKKD-STAR-VORDME12
- 03AD2-FKKD-STAR-VORDME30

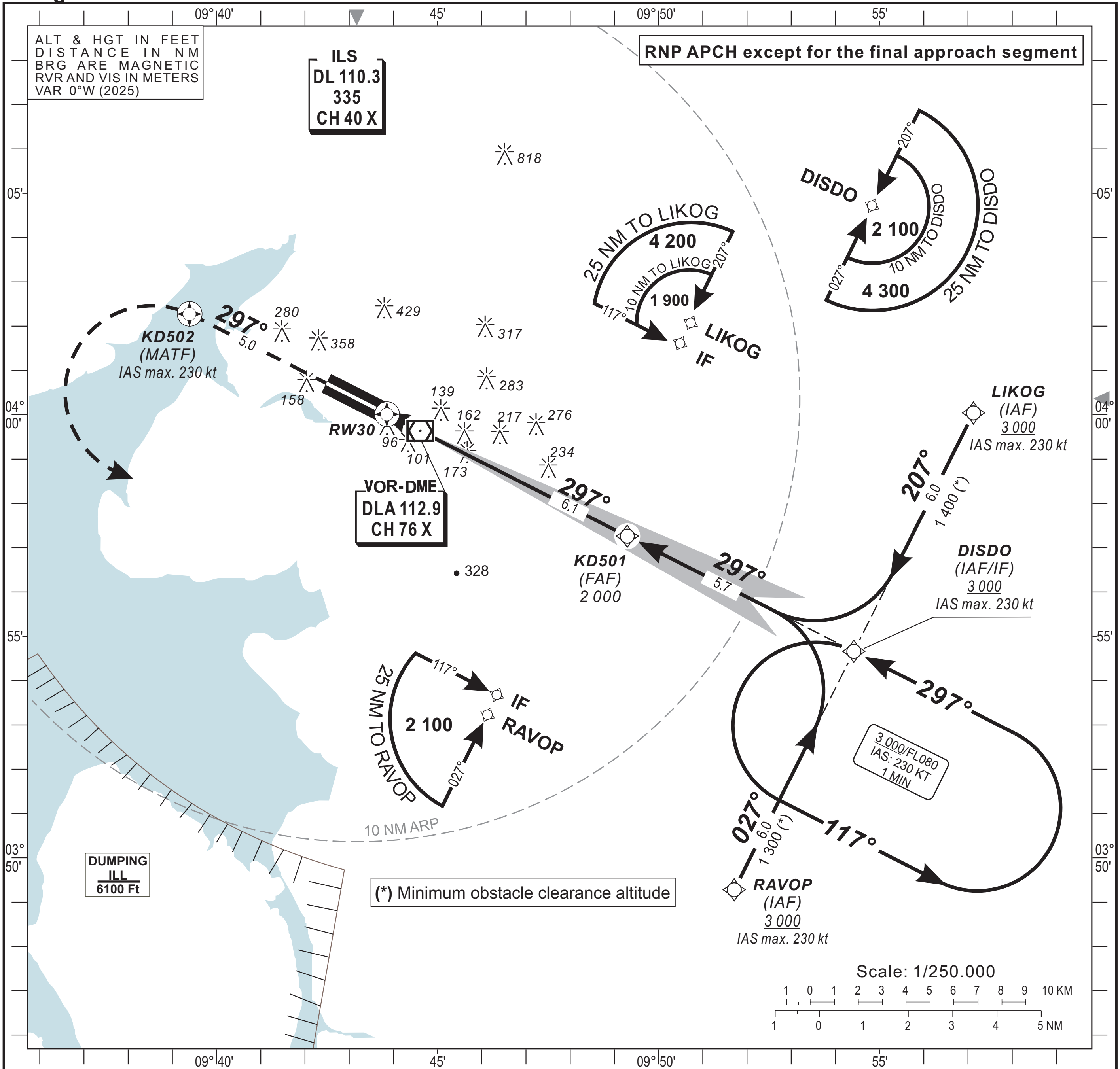
CE SUP AIP COMPORTE 02 PAGES ET 19 ANNEXES /
THIS AIP SUP HAS 02 PAGES AND 19 ANNEXES

INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 30 ELEV: 14
HEIGHTS RELATED TO THR RWY 30 ELEV

APP : 129.5
TWR : 119.7

DOUALA / Intl (FKKD)
ILS Y or LOC Y RWY 30

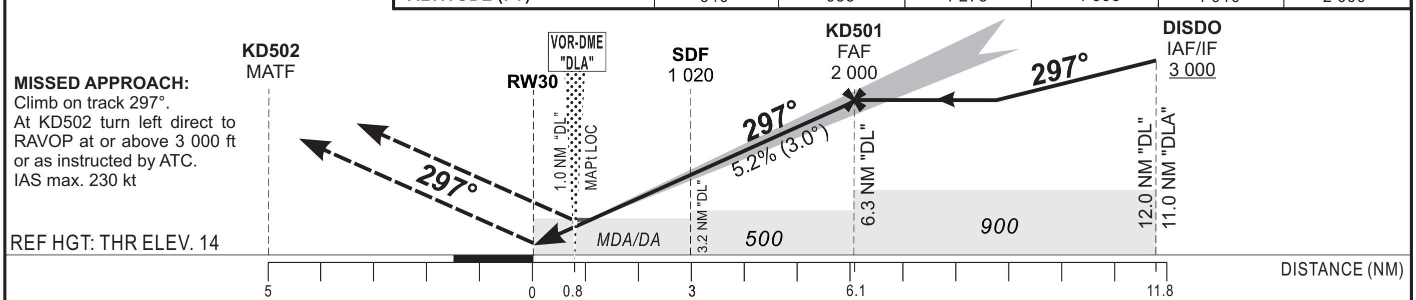


TRANSITION ALTITUDE: 3 500

DISTANCE TO DME 'DL' (NM)	2	3	4	5	6	FAF
ALTITUDE (FT)	640	955	1 275	1 595	1 910	2 000

MISSED APPROACH:
Climb on track 297°.
At KD502 turn left direct to RAVOP at or above 3 000 ft or as instructed by ATC.
IAS max. 230 kt

REF HGT: THR ELEV. 14



CAT	CAT. I						LOC-DME						CIRCLING 3				
	OCA	(OCH)	DA	DH	RVR 1	RVR 2	OCA	(OCH)	MDA	MDH	RVR 1	RVR 2	OCA	(OCH)	MDA	MDH	VIS
A	224	(210)	**230**	**(210)**	550	1200	419	(405)	**420**	**(410)**	1200	1900	653	(619)	**660**	**(620)**	2600
B	236	(222)	**240**	**(230)**	550	1200	419	(405)	**420**	**(410)**	1200	1900	725	(691)	**730**	**(700)**	2600
C	244	(230)	**250**	**(230)**	550	1200	419	(405)	**420**	**(410)**	1200	1900	823	(789)	**830**	**(790)**	2600
D	255	(241)	**260**	**(250)**	550	1300	419	(405)	**420**	**(410)**	1200	1900	823	(789)	**830**	**(790)**	3600

Timing	FAF / THR 6.1 NM		
KT	MIN SEC	KT	MIN SEC
90	4 Min 04	140	2 Min 37
100	3 Min 40	150	2 Min 26
110	3 Min 20	160	2 Min 17
120	3 Min 03	170	2 Min 09
130	2 Min 49	180	2 Min 02

Notes:
1 With approach lights
2 Without approach lights
3 Daytime only. OCH and MDH AAL

- RDH: 15 m

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Identifier	Fly-Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed limit (Kt)	VPA/ TCH (°/m)	Navigation Specification
010	IF	RAVOP	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	DISDO	—	027(026.8)	—	6.0	—	+3000	-230	—	RNP APCH
010	IF	LIKOG	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	DISDO	—	207(206.8)	—	6.0	—	+3000	-230	—	RNP APCH
010	IF	DISDO	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	KD501	—	297(296.8)	—	5.7	—	@2000	—	—	N/A
030	TF	RW30	Y	297(296.8)	—	6.1	—	@64	—	3.0/15	N/A
040	CF	KD502	Y	297(296.8)	—	5.0	—	—	-230	—	RNP APCH
050	DF	RAVOP	—	—	—	—	L	+3000	-230	—	RNP APCH
010	IF	DISDO	—	—	—	—	—	+3000	-230	—	RNP APCH
020	HM	DISDO	—	297(296.8)	—	—	L	+3000	-230	—	RNP APCH

WAYPOINT LIST

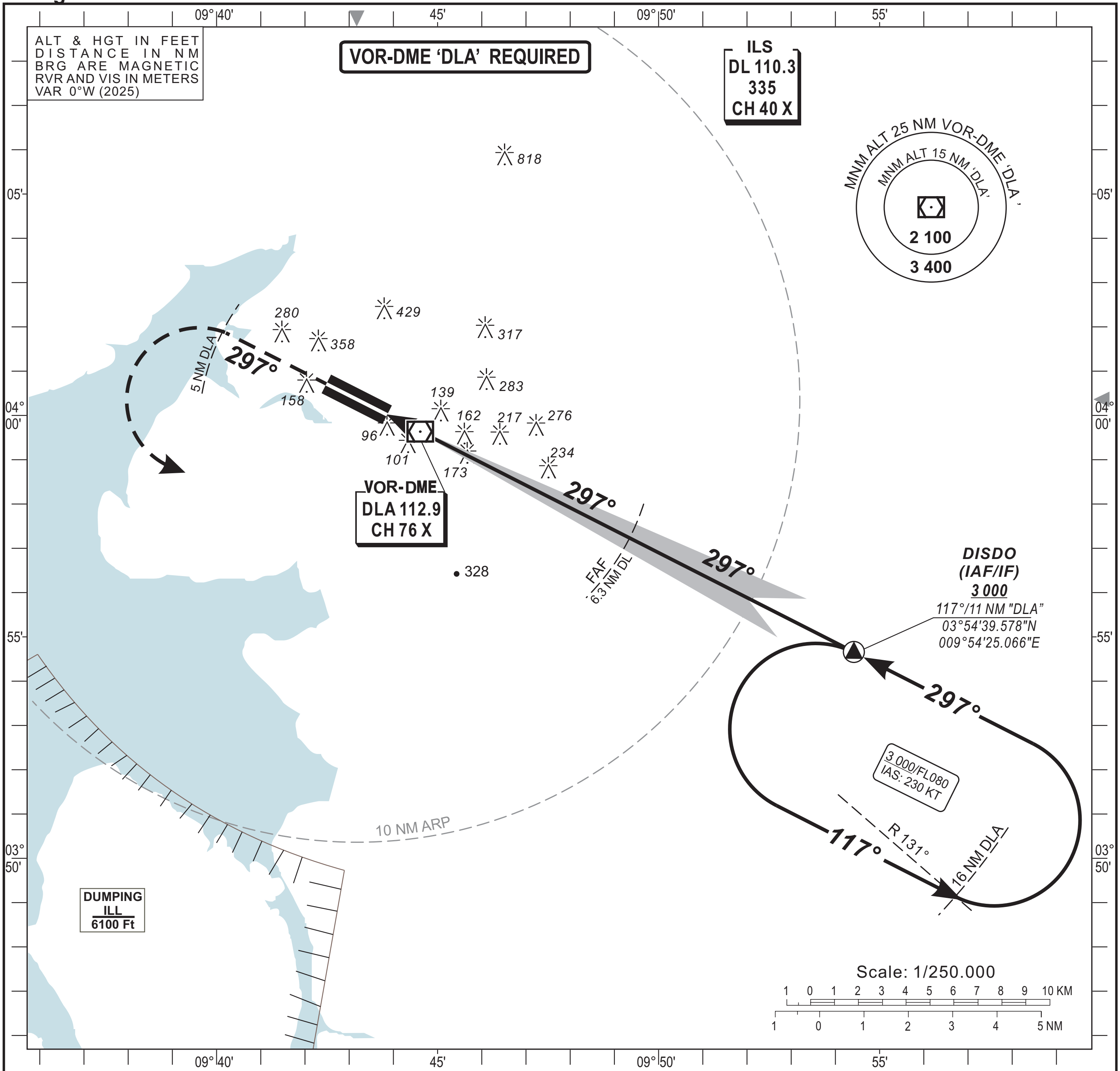
Waypoint Identifier	Coordinates	
RAVOP	03°49'16.668"N	009°51'42.690"E
LIKOG	04°00'02.479"N	009°57'07.476"E
DISDO	03°54'39.578"N	009°54'25.066"E
KD501	03°57'15.596"N	009°49'17.479"E
KD502	04°02'16.728"N	009°39'23.531"E
RW30	04°00'00.880"N	009°43'51.520"E

INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 30 ELEV: 14
HEIGHTS RELATED TO THR RWY 30 ELEV

APP : 129.5
TWR : 119.7

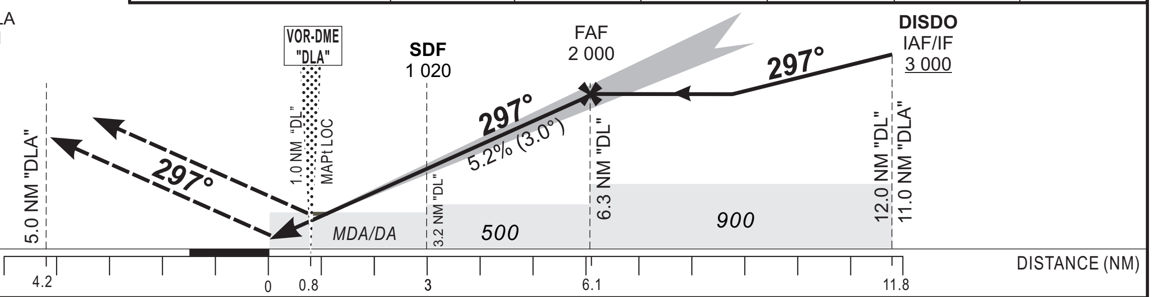
DOUALA / Intl (FKKD)
ILS Z or LOC Z RWY 30



TRANSITION ALTITUDE: 3 500

DISTANCE TO DME 'DL' (NM)	2	3	4	5	6	FAF
ALTITUDE (FT)	640	955	1 275	1 595	1 910	2 000

MISSED APPROACH:
Climb on track 297°. At 5 NM DLA turn left climbing to 3 000 Ft and join DISDO via RDL 131° DLA or as instructed by ATC.



CAT	CAT. I						LOC-DME						CIRCLING 3					
	OCA	(OCH)	***DA***	**DH**	RVR 1	RVR 2	*OCA*	(OCH)	***MDA***	**MDH**	RVR 1	RVR 2	*OCA*	(OCH)	***MDA***	**MDH**	VIS
A	*224*	(210)	***230***	**(210)**	550	1200	*419*	(405)	***420***	**(410)**	1200	1900	*653*	(619)	***660***	**(620)**	2600
B	*236*	(222)	***240***	**(230)**	550	1200	*419*	(405)	***420***	**(410)**	1200	1900	*725*	(691)	***730***	**(700)**	2600
C	*244*	(230)	***250***	**(230)**	550	1200	*419*	(405)	***420***	**(410)**	1200	1900	*823*	(789)	***830***	**(790)**	2600
D	*255*	(241)	***260***	**(250)**	550	1300	*419*	(405)	***420***	**(410)**	1200	1900	*823*	(789)	***830***	**(790)**	3600

Timing	FAF / THR 6.1 NM		
KT	MIN SEC	KT	MIN SEC
90	4 Min 04	140	2 Min 37
100	3 Min 40	150	2 Min 26
110	3 Min 20	160	2 Min 17
120	3 Min 03	170	2 Min 09
130	2 Min 49	180	2 Min 02

Notes:
1 With approach lights
2 Without approach lights
3 Daytime only. OCH and MDH AAL

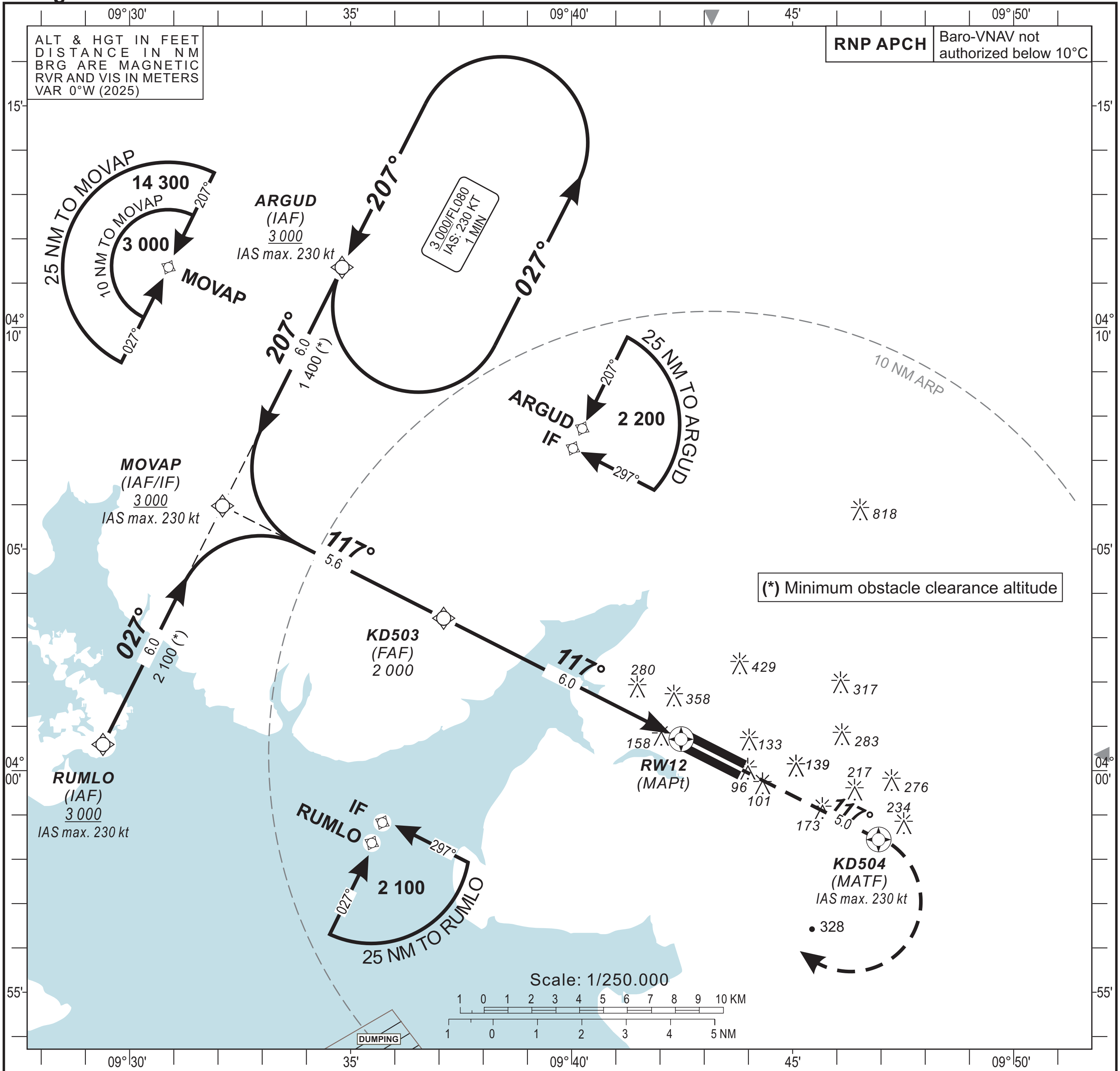
- RDH: 15 m

INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 12 ELEV: 34
HEIGHTS RELATED TO THR RWY 12 ELEV

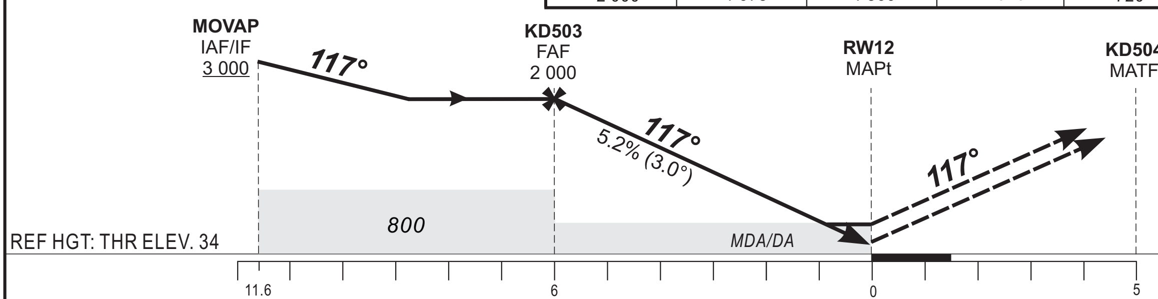
APP : 129.5
TWR : 119.7

DOUALA / Intl (FKKD)
RNP RWY 12



TRANSITION ALTITUDE: 3 500

FAF	5	4	3	2	DISTANCE TO RW12 (NM)
2 000	1 675	1 360	1 040	720	ALTITUDE (FT)



MISSED APPROACH:
Climb on track 117°.
At KD504 turn right direct to RUMLO at or above 3 000 ft or as instructed by ATC.
IAS max. 230 kt

CAT	LNAV/VNAV				LNAV				CIRCLING 1			
	OCA (OCH)	DA	DH	RVR	OCA (OCH)	MDA	MDH	RVR	OCA (OCH)	MDA	MDH	VIS
A	456 (422)	460	(430)	2000	558 (524)	560	(530)	2400	653 (619)	660	(620)	2500
B	465 (431)	470	(440)	2000	558 (524)	560	(530)	2400	725 (691)	730	(700)	2500
C	472 (438)	480	(440)	2000	558 (524)	560	(530)	2400	823 (789)	830	(790)	2500
D	479 (445)	480	(450)	2100	558 (524)	560	(530)	2400	823 (789)	830	(790)	3600

Timing FAF / THR 6.0 NM

KT	MIN SEC	KT	MIN SEC
90	4 Min 00	140	2 Min 34
100	3 Min 36	150	2 Min 24
110	3 Min 16	160	2 Min 15
120	3 Min 00	170	2 Min 07
130	2 Min 46	180	2 Min 00

Notes:

1 Daytime only. OCH and MDH AAL

- RDH: 15 m

INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 12 ELEV: 34
HEIGHTS RELATED TO THR RWY 12 ELEV

APP : 129.5
TWR : 119.7

DOUALA / Intl (FKKD)
RNP RWY 12

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Identifier	Fly-Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed limit (Kt)	VPA/ TCH (°/m)	Navigation Specification
010	IF	RUMLO	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	MOVAP	—	027(026.8)	—	6.0	—	+3000	-230	—	RNP APCH
010	IF	ARGUD	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	MOVAP	—	207(206.8)	—	6.0	—	+3000	-230	—	RNP APCH
010	IF	MOVAP	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	KD503	—	117(116.8)	—	5.6	—	@2000	—	—	RNP APCH
030	TF	RW12	Y	117(116.8)	—	6.0	—	@84	—	3.0/15	RNP APCH
040	CF	KD504	Y	117(116.8)	—	5.0	—	—	-230	—	RNP APCH
050	DF	RUMLO	—	—	—	—	R	+3000	-230	—	RNP APCH
010	IF	ARGUD	—	—	—	—	—	+3000	-230	—	RNP APCH
020	HM	ARGUD	—	207(206.8)	—	—	L	+3000	-230	—	RNP APCH

WAYPOINT LIST

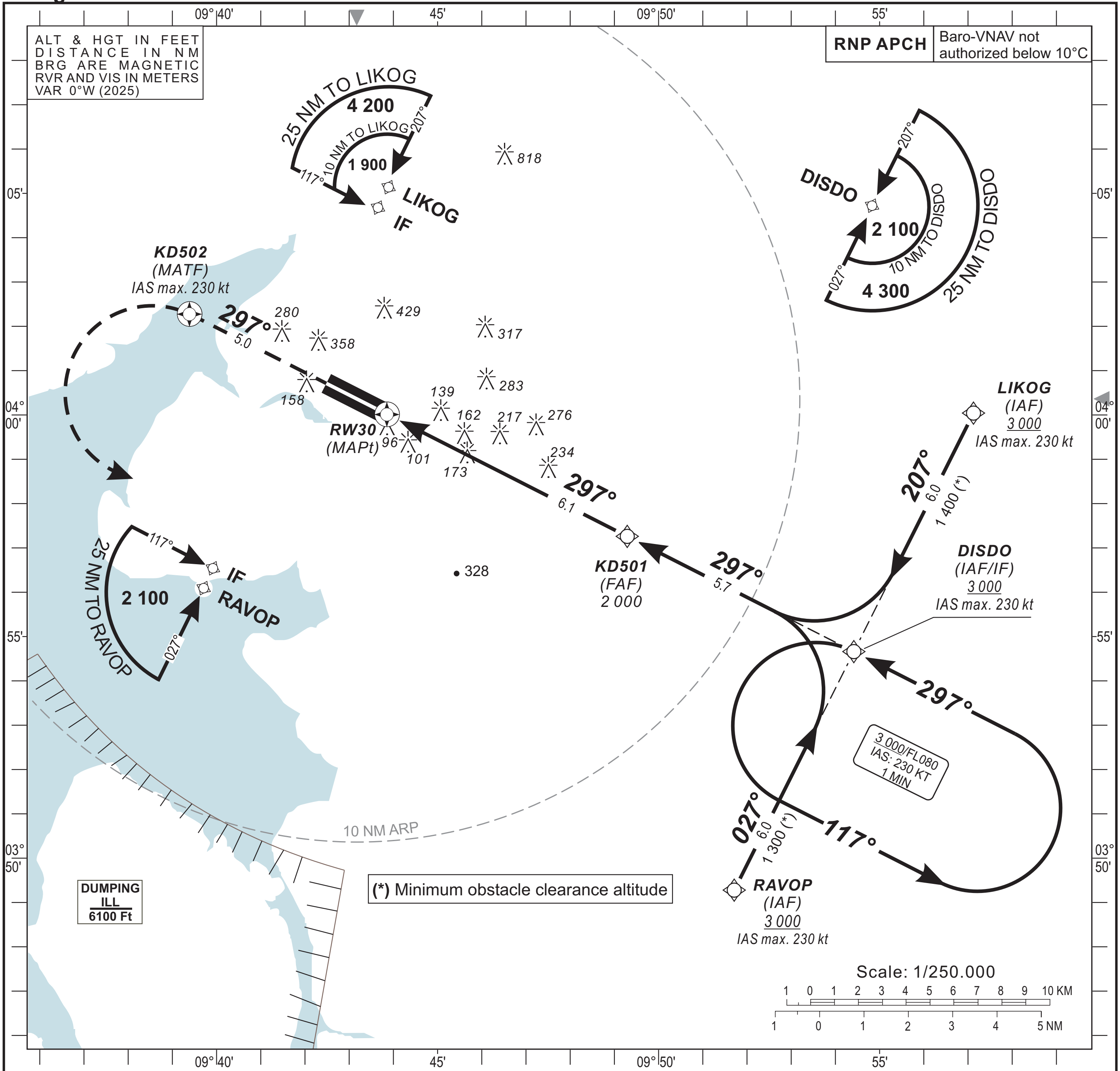
Waypoint Identifier	Coordinates	
ARGUD	04°11'21.342"N	009°34'48.444"E
RUMLO	04°00'35.385"N	009°29'23.875"E
MOVAP	04°05'58.369"N	009°32'06.141"E
KD503	04°03'26.262"N	009°37'06.332"E
KD504	03°58'26.865"N	009°46'56.942"E
RW12	04°00'42.730"N	009°42'28.970"E

INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 30 ELEV: 14
HEIGHTS RELATED TO THR RWY 30 ELEV

APP : 129.5
TWR : 119.7

DOUALA / Intl (FKKD)
RNP RWY 30

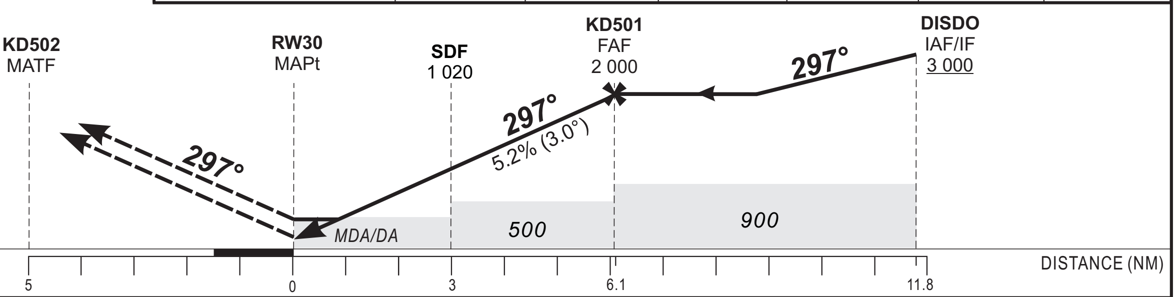


TRANSITION ALTITUDE: 3 500

DISTANCE TO RW30 (NM)	2	3	4	5	6	FAF
ALTITUDE (FT)	700	1020	1 340	1 655	1 975	2 000

MISSED APPROACH:
Climb on track 297°.
At KD502 turn left direct to RAVOP at or above 3 000 ft or as instructed by ATC.
IAS max. 230 kt

REF HGT: THR ELEV. 14



CAT	LNAV/VNAV OCA (OCH)	DA	DH	RVR 1	RVR 2	LNAV OCA (OCH)	MDA	MDH	RVR 1	RVR 2	CIRCLING 3 OCA (OCH)	MDA	MDH	VIS
A	291 (277)	300	(280)	600	1300	419 (405)	420	(410)	1200	1900	653 (619)	660	(620)	2500
B	303 (289)	310	(290)	650	1400	419 (405)	420	(410)	1200	1900	725 (691)	730	(700)	2500
C	312 (298)	320	(300)	650	1400	419 (405)	420	(410)	1200	1900	823 (789)	830	(790)	2500
D	322 (308)	330	(310)	700	1400	419 (405)	420	(410)	1200	1900	823 (789)	830	(790)	3600

Timing FAF / THR 6.1 NM

KT	MIN SEC	KT	MIN SEC
90	4 Min 04	140	2 Min 37
100	3 Min 40	150	2 Min 26
110	3 Min 20	160	2 Min 17
120	3 Min 03	170	2 Min 09
130	2 Min 49	180	2 Min 02

Notes:
1 With approach lights
2 Without approach lights
3 Daytime only. OCH and MDH AAL

- RDH: 15 m

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Identifier	Fly-Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed limit (Kt)	VPA/ TCH (°/m)	Navigation Specification
010	IF	RAVOP	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	DISDO	—	027(026.8)	—	6.0	—	+3000	-230	—	RNP APCH
010	IF	LIKOG	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	DISDO	—	207(206.8)	—	6.0	—	+3000	-230	—	RNP APCH
010	IF	DISDO	—	—	—	—	—	+3000	-230	—	RNP APCH
020	TF	KD501	—	297(296.8)	—	5.7	—	@2000	—	—	RNP APCH
030	TF	RW30	Y	297(296.8)	—	6.1	—	@64	—	3.0/15	RNP APCH
040	CF	KD502	Y	297(296.8)	—	5.0	—	—	-230	—	RNP APCH
050	DF	RAVOP	—	—	—	—	L	+3000	-230	—	RNP APCH
010	IF	DISDO	—	—	—	—	—	+3000	-230	—	RNP APCH
020	HM	DISDO	—	297(296.8)	—	—	L	+3000	-230	—	RNP APCH

WAYPOINT LIST

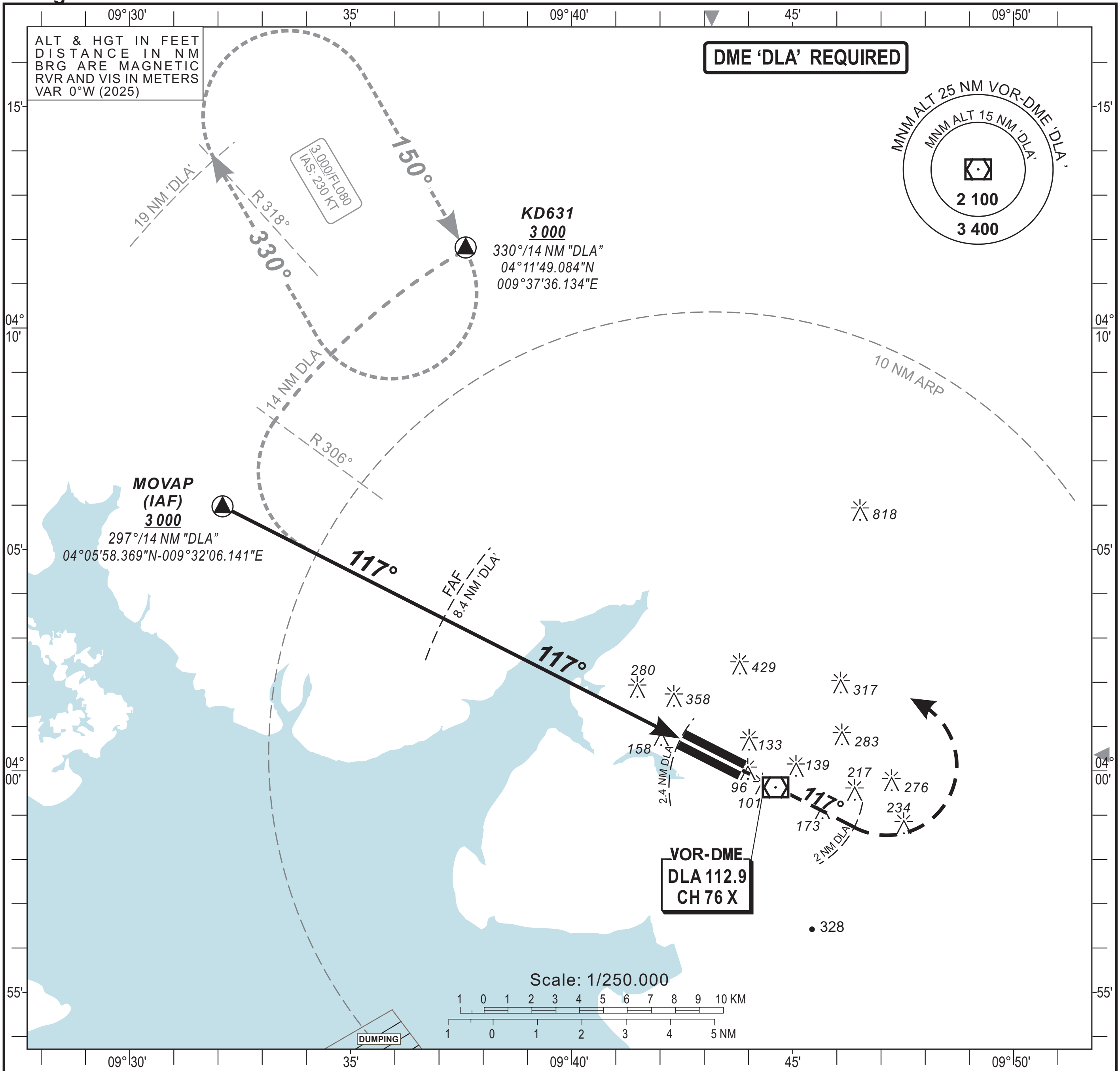
Waypoint Identifier	Coordinates	
RAVOP	03°49'16.668"N	009°51'42.690"E
LIKOG	04°00'02.479"N	009°57'07.476"E
DISDO	03°54'39.578"N	009°54'25.066"E
KD501	03°57'15.596"N	009°49'17.479"E
KD502	04°02'16.728"N	009°39'23.531"E
RW30	04°00'00.880"N	009°43'51.520"E

INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 12 ELEV: 34
HEIGHTS RELATED TO AERODROME ELEV

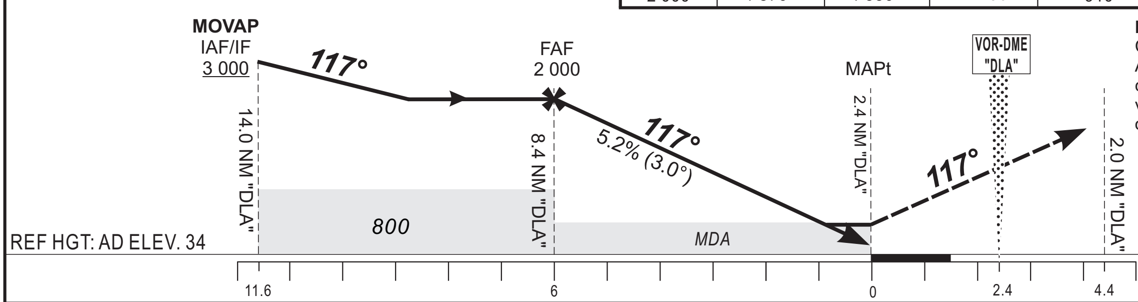
APP : 129.5
TWR : 119.7

DOUALA / Intl (FKKD)
VOR RWY 12



TRANSITION ALTITUDE: 3 500

FAF	8	7	6	5	DISTANCE TO DME 'DLA' (NM)
2 000	1 870	1 550	1 230	910	ALTITUDE (FT)



MISSED APPROACH:
Climb on track 117°.
At 2 NM outbound 'DLA' turn left climbing to 3 000 ft and join KD631 via RDL 318° 'DLA'
or as instructed by ATC.

CAT	VOR-DME OCA (OCH)	MDA MDH	RVR	CIRCLING [1] OCA (OCH)	MDA MDH	VIS
A	604 (570)	610 (570)	2600	653 (619)	660 (620)	2600
B	604 (570)	610 (570)	2600	725 (691)	730 (700)	2600
C	604 (570)	610 (570)	2600	823 (789)	830 (790)	2600
D	604 (570)	610 (570)	2600	823 (789)	830 (790)	3600

Timing KT	FAF / THR 6.0 NM MIN SEC	KT	MIN SEC
90	4 Min 00	140	2 Min 34
100	3 Min 36	150	2 Min 24
110	3 Min 16	160	2 Min 15
120	3 Min 00	170	2 Min 07
130	2 Min 46	180	2 Min 00

Notes: [1] Daytime only

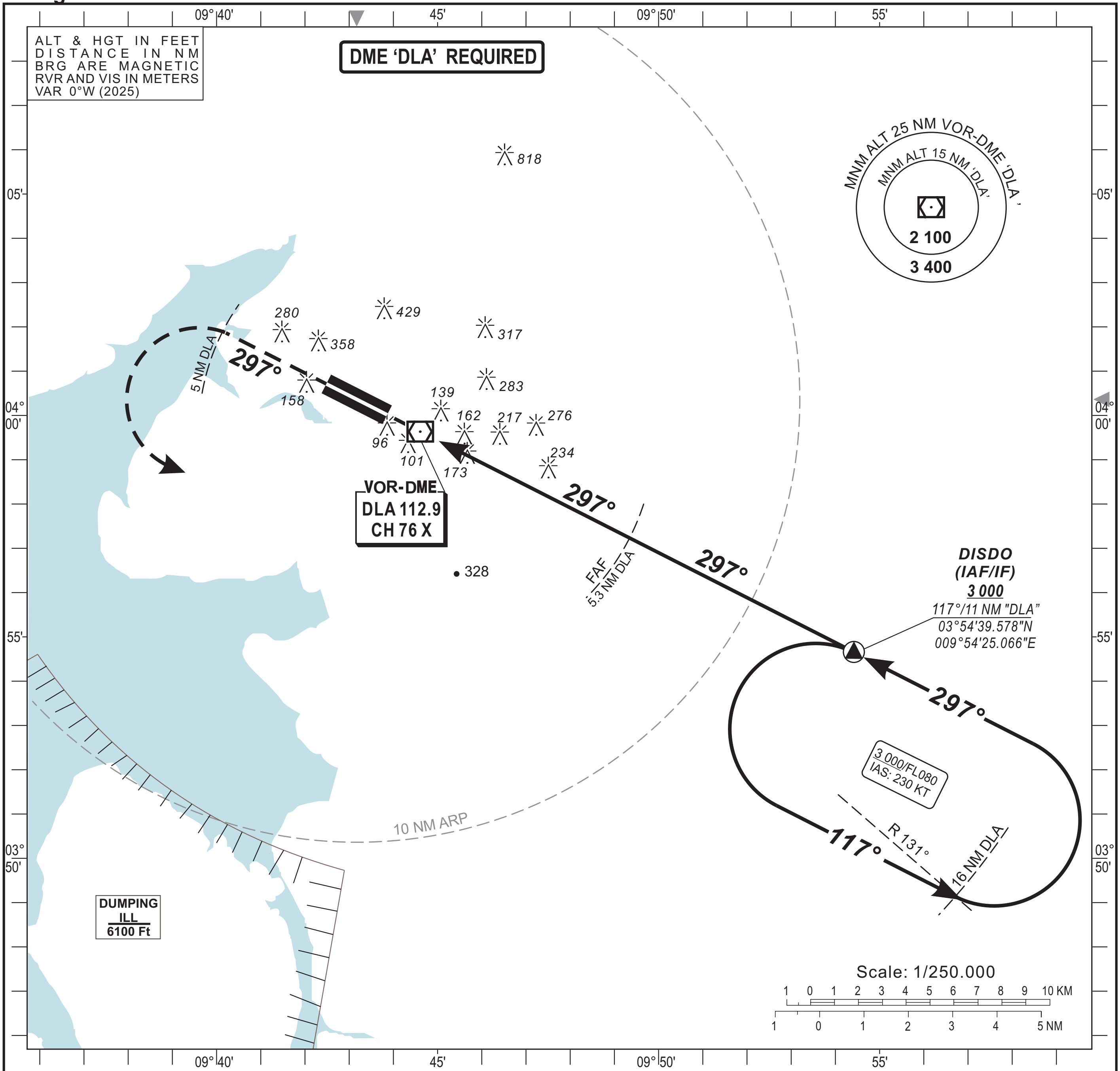
INSTRUMENT APPROACH CHART
Categories A-B-C-D

AERODROME ELEV: 34
THR RWY 30 ELEV: 14
HEIGHTS RELATED TO THR RWY 30 ELEV

APP : 129.5
TWR : 119.7

DOUALA / Intl (FKKD)

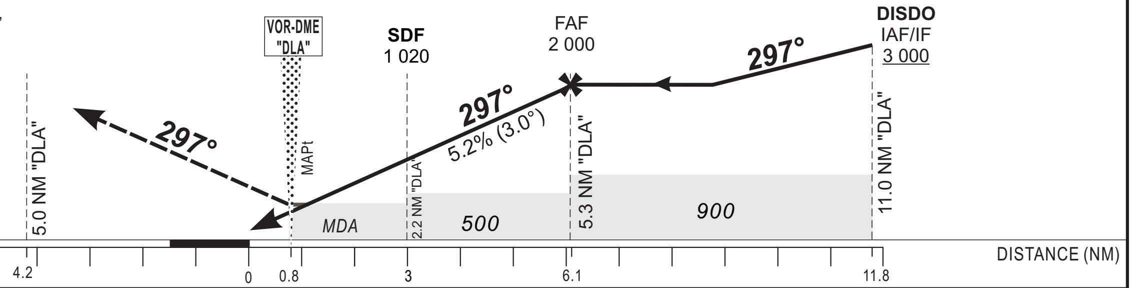
VOR RWY 30



TRANSITION ALTITUDE: 3 500

DISTANCE TO DME 'DLA' (NM)	1	2	3	4	5	FAF
ALTITUDE (FT)	640	955	1 275	1 595	1 910	2 000

MISSED APPROACH:
Climb on track 297°. At 5 NM 'DLA' turn left climbing to 3 000 Ft and join DISDO via RDL 131° 'DLA' or as instructed by ATC.



REF HGT: THR ELEV. 14

CAT	VOR-DME OCA (OCH)	VOR-DME MDA MDH	RVR 1	RVR 2	CIRCLING 3 OCA (OCH)	CIRCLING MDA MDH	CIRCLING VIS
A	*463 (449)*	***470* (450)**	1400	2100	*653 (619)*	***660* (620)**	2600
B	*463 (449)*	***470* (450)**	1400	2100	*725 (691)*	***730* (700)**	2600
C	*463 (449)*	***470* (450)**	1400	2100	*823 (789)*	***830* (790)**	2600
D	*463 (449)*	***470* (450)**	1400	2100	*823 (789)*	***830* (790)**	3600

Timing FAF / THR 6.1 NM

KT	MIN SEC	KT	MIN SEC
90	4 Min 04	140	2 Min 37
100	3 Min 40	150	2 Min 26
110	3 Min 20	160	2 Min 17
120	3 Min 03	170	2 Min 09
130	2 Min 49	180	2 Min 02

Notes:
1 With approach lights
2 Without approach lights
3 Daytime only. OCH and MDH AAL

STANDARD DEPARTURE CHART INSTRUMENT (SID) Categories A-B-C-D

APP 129.5
TWR 119.7

DOUALA / Intl (FKKD) RWY 12
GALMO 1G, GAPKI 1G, GUKAV 1G, GASUB 1G, EDGAD 1G

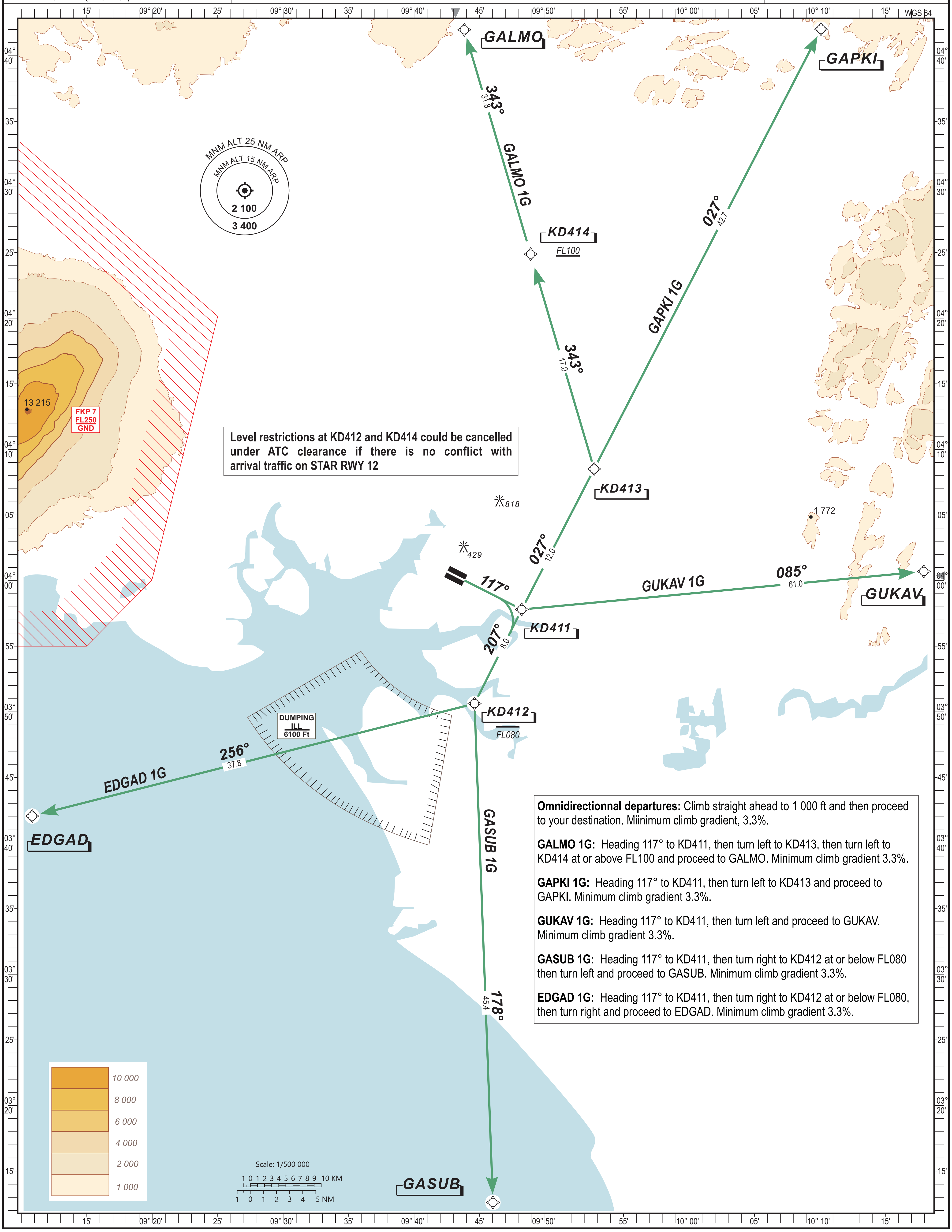
ELEV.& ALT IN FEET
DISTANCE IN NM
BRG ARE MAGNETIC
VAR 0°W (2025)

Notes:

CONTINUOUS CLIMB OPERATIONS (CCO)

RNP 1

TRANSITION ALTITUDE: 3 500



Omnidirectionnal departures: Climb straight ahead to 1 000 ft and then proceed to your destination. Miinimum climb gradient, 3.3%.

GALMO 1G: Heading 117° to KD411, then turn left to KD413, then turn left to KD414 at or above FL100 and proceed to GALMO. Minimum climb gradient 3.3%.

GAPKI 1G: Heading 117° to KD411, then turn left to KD413 and proceed to GAPKI. Minimum climb gradient 3.3%.

GUKAV 1G: Heading 117° to KD411, then turn left and proceed to GUKAV. Minimum climb gradient 3.3%.

GASUB 1G: Heading 117° to KD411, then turn right to KD412 at or below FL080 then turn left and proceed to GASUB. Minimum climb gradient 3.3%.

EDGAD 1G: Heading 117° to KD411, then turn right to KD412 at or below FL080, then turn right and proceed to EDGAD. Minimum climb gradient 3.3%.

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Ident.	Fly Over	Course °M (T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	NAV. Spec.
GALMO 1G										
010	CF	KD411	-	117 (116.6)	+0.0	-	-	-	-265	RNP 1
020	TF	KD413	-	027 (027.4)	-	12.0	L	-	-	RNP 1
030	TF	KD414	-	343 (343.4)	-	17.0	L	+FL100	-	RNP 1
040	TF	GALMO	-	343 (343.4)	-	31.8	-	-	-	RNP 1
GAPKI 1G										
010	CF	KD411	-	117 (116.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD413	-	027 (027.4)	-	12.0	L	-	-	RNP 1
030	TF	GAPKI	-	027 (027.4)	-	42.7	-	-	-	RNP 1
GUKAV 1G										
010	CF	KD411	-	117 (116.8)	+0.0	-	-	-	-265	RNP 1
020	TF	GUKAV	-	085 (084.6)	-	61.0	-	-	-	RNP 1
GASUB 1G										
010	CF	KD411	-	117 (116.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD412	-	207 (206.8)	-	8.0	R	-FL080	-	RNP 1
030	TF	GASUB	-	178 (177.9)	-	45.4	L	-	-	RNP 1
EDGAD 1G										
010	CF	KD411	-	117 (116.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD412	-	207 (206.8)	-	8.0	R	-FL080	-	RNP 1
030	TF	EDGAD	-	256 (255.9)	-	37.8	R	-	-	RNP 1

WAYPOINTS LIST

Waypoint	Latitude	Longitude
KD411	03°57'48.008"N	009°48'13.568"E
KD412	03°50'37.407"N	009°44'37.164"E
KD413	04°08'30.291"N	009°53'45.242"E
KD414	04°24'52.813"N	009°48'54.395"E
GALMO	04°55'31.963"N	009°39'49.341"E
GAPKI	04°46'32.880"N	010°13'25.375"E
GUKAV	04°03'32.292"N	010°49'01.429"E
GASUB	03°05'00.845"N	009°46'18.340"E
EDGAD	03°41'19.555"N	009°07'55.407"E

STANDARD DEPARTURE CHART INSTRUMENT (SID) Categories A - B - C - D

APP 129.5
TWR 119.7

DOUALA / Intl (FKKD) RWY 30

GALMO 1B, GAPKI 1B, GUKAV 1B, GASUB 1B, ERPIS 1B

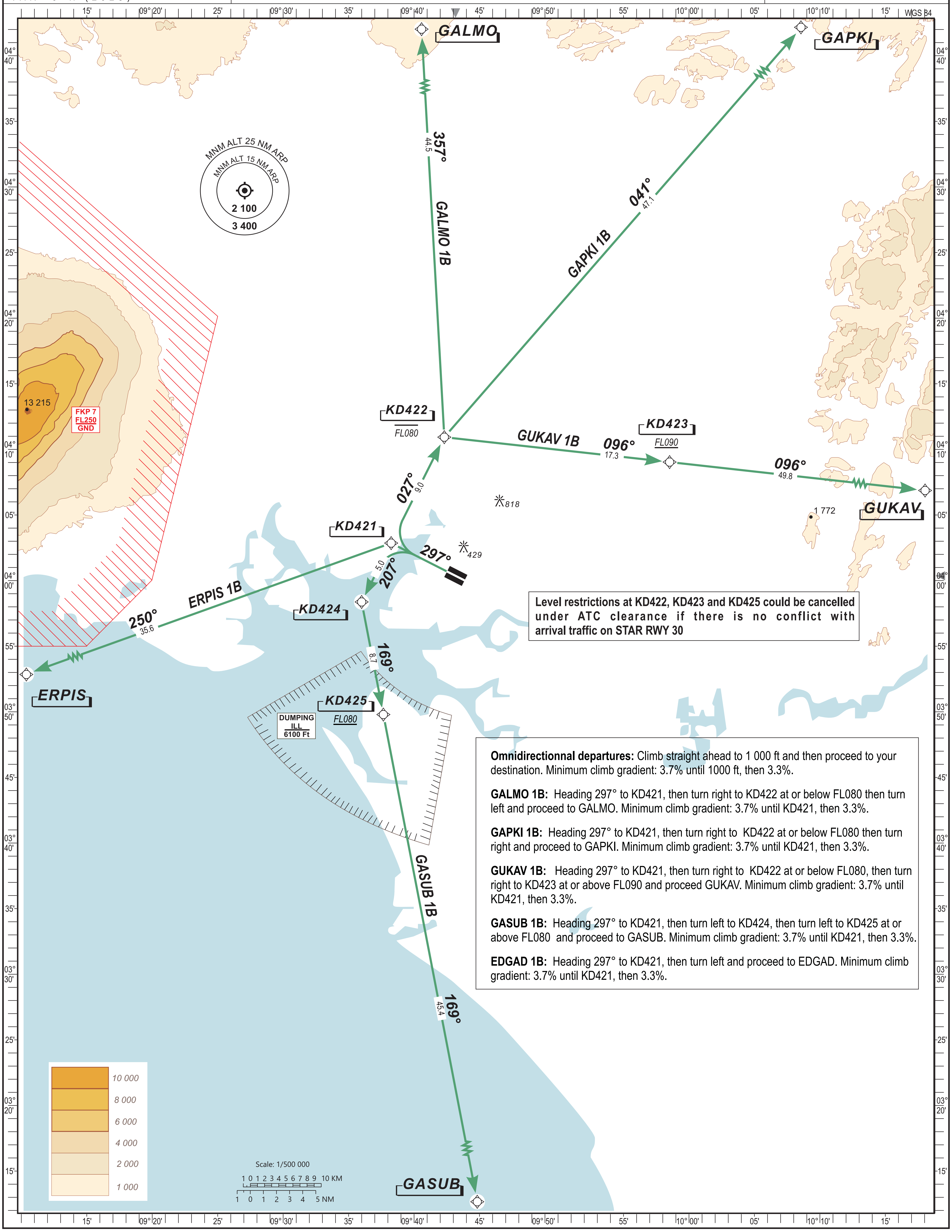
ELEV.& ALT IN FEET
DISTANCE IN NM
BRG ARE MAGNETIC
VAR 0°W (2025)

Notes:

CONTINUOUS CLIMB OPERATIONS (CCO)

RNP 1

TRANSITION ALTITUDE: 3 500



Level restrictions at KD422, KD423 and KD425 could be cancelled under ATC clearance if there is no conflict with arrival traffic on STAR RWY 30

Omnidirectionnal departures: Climb straight ahead to 1 000 ft and then proceed to your destination. Minimum climb gradient: 3.7% until 1000 ft, then 3.3%.

GALMO 1B: Heading 297° to KD421, then turn right to KD422 at or below FL080 then turn left and proceed to GALMO. Minimum climb gradient: 3.7% until KD421, then 3.3%.

GAPKI 1B: Heading 297° to KD421, then turn right to KD422 at or below FL080 then turn right and proceed to GAPKI. Minimum climb gradient: 3.7% until KD421, then 3.3%.

GUKAV 1B: Heading 297° to KD421, then turn right to KD422 at or below FL080, then turn right to KD423 at or above FL090 and proceed GUKAV. Minimum climb gradient: 3.7% until KD421, then 3.3%.

GASUB 1B: Heading 297° to KD421, then turn left to KD424, then turn left to KD425 at or above FL080 and proceed to GASUB. Minimum climb gradient: 3.7% until KD421, then 3.3%.

EDGAD 1B: Heading 297° to KD421, then turn left and proceed to EDGAD. Minimum climb gradient: 3.7% until KD421, then 3.3%.

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Ident.	Fly Over	Course °M (T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	NAV. Spec.
GALMO 1B										
010	CF	KD421	-	297 (296.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD422	-	027 (026.8)	-	9.0	R	-FL080	-	RNP 1
030	TF	GALMO	-	357 (356.8)	-	44.5	L	-	-	RNP 1
GAPKI 1B										
010	CF	KD421	-	297 (296.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD422	-	027 (026.8)	-	9.0	R	-FL080	-	RNP 1
030	TF	GAPKI	-	041 (041.2)	-	47.1	R	-	-	RNP 1
GUKAV 1B										
010	CF	KD421	-	297 (296.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD422	-	027 (026.8)	-	9.0	R	-FL080	-	RNP 1
030	TF	KD423	-	096 (096.3)	-	17.3	R	+FL090	-	RNP 1
040	TF	GUKAV	-	096 (096.3)	-	49.8	-	-	-	RNP 1
GASUB 1B										
010	CF	KD421	-	297 (296.8)	+0.0	-	-	-	-265	RNP 1
020	TF	KD424	-	207 (206.8)	-	5.0	L	-	-	RNP 1
030	TF	KD425	-	169 (169.0)	-	8.7	L	+FL080	-	RNP 1
040	TF	GASUB	-	169 (169.0)	-	45.4	-	-	-	RNP 1
EDGAD 1B										
010	CF	KD421	-	297 (296.8)	+0.0	-	-	-	-265	RNP 1
020	TF	ERPIS	-	250 (250.4)	-	35.6	L	-	-	RNP 1

WAYPOINTS LIST

Waypoint	Latitude	Longitude
KD421	04°02'51.384"N	009°38'15.116"E
KD422	04°10'55.803"N	009°42'18.642"E
KD423	04°09'01.936"N	009°59'31.300"E
KD424	03°58'22.253"N	009°35'59.859"E
KD425	03°49'47.321"N	009°37'39.423"E
GALMO	04°55'31.963"N	009°39'49.341"E
GAPKI	04°46'32.880"N	010°13'25.375"E
GUKAV	04°03'32.292"N	010°49'01.429"E
GASUB	03°05'00.845"N	009°46'18.340"E
ERPIS	03°50'50.491"N	009°04'42.471"E

STANDARD ARRIVAL CHART INSTRUMENT (STAR) Categories A-B-C-D

APP 129.5
TWR 119.7

DOUALA / Intl (FKKD) RWY 12

AKBIP 1E, APSET 1E, UMUSO 1E, AMGOS 1E, ERPIS 1E

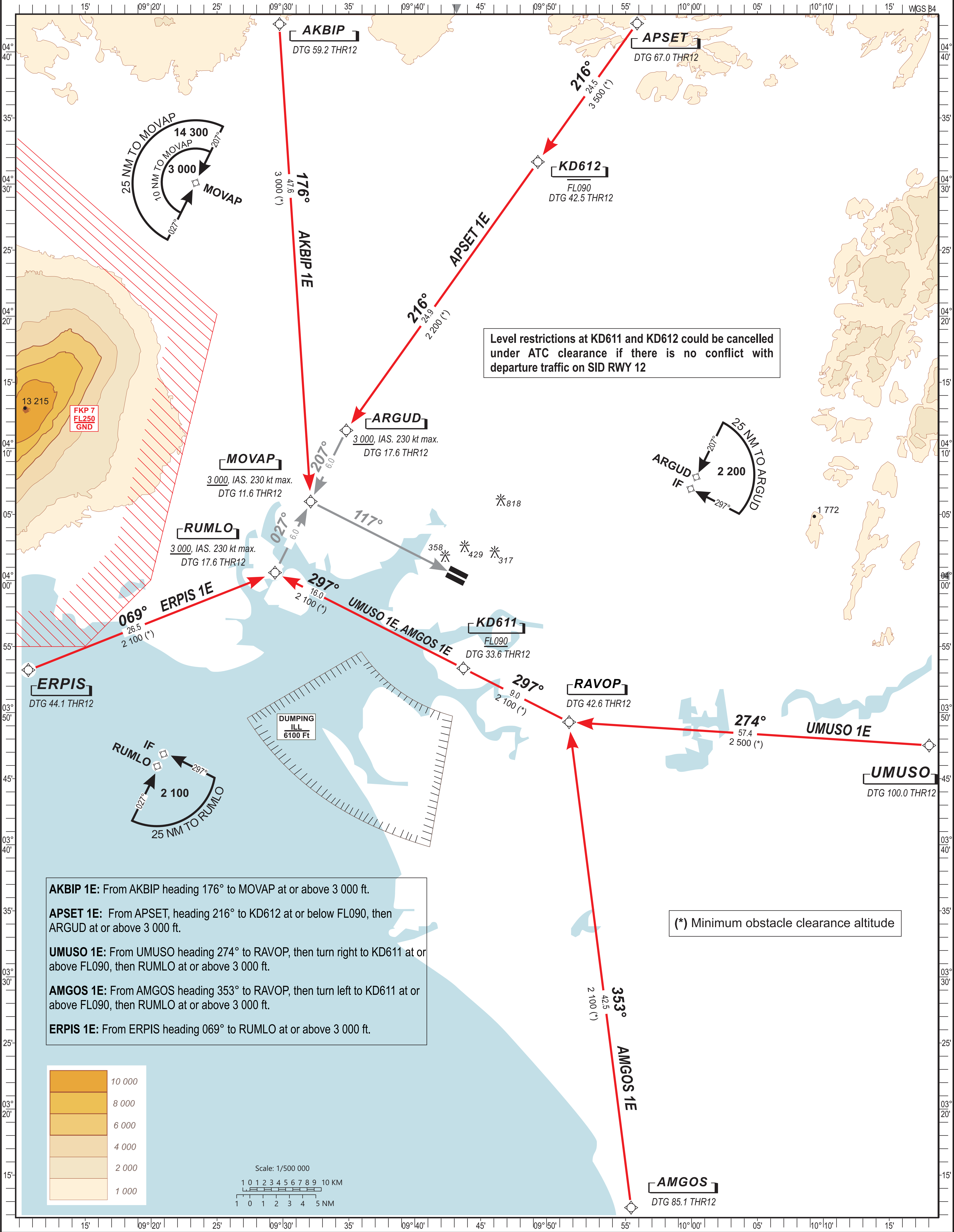
ELEV.& ALT IN FEET
DISTANCE IN NM
BRG ARE MAGNETIC
VAR 0°W (2025)

Notes:

CONTINUOUS DESCENT OPERATIONS (CDO)

RNP 1

TRANSITION ALTITUDE: 3 500



TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Ident.	Fly Over	Course °M (T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	NAV. Spec.
AKBIP 1E										
010	IF	AKBIP	-	-	-	-	-	-	-	RNP 1
020	TF	MOVAP	-	176 (176.2)	-	47.6	-	+3000	-230	RNP 1
APSET 1E										
010	IF	APSET	-	-	-	-	-	-	-	RNP 1
020	TF	KD612	-	216 (215.7)	-	24.5	-	-FL090	-	RNP 1
030	TF	ARGUD	-	216 (215.7)	-	24.9	-	+3000	-230	RNP 1
UMUSO 1E										
010	IF	UMUSO	-	-	-	-	-	-	-	RNP 1
020	TF	RAVOP	-	274 (273.7)	-	57.4	-	-	-	RNP 1
030	TF	KD611	-	297 (296.8)	-	9.0	R	+FL090	-	RNP 1
040	TF	RUMLO	-	297 (296.8)	-	16.0	-	+3000	-230	RNP 1
AMGOS 1E										
010	IF	AMGOS	-	-	-	-	-	-	-	RNP 1
020	TF	RAVOP	-	353 (352.7)	-	42.5	-	-	-	RNP 1
030	TF	KD611	-	297 (296.8)	-	9.0	L	+FL090	-	RNP 1
040	TF	RUMLO	-	297 (296.8)	-	16.0	-	+3000	-230	RNP 1
ERPIS 1E										
010	IF	ERPIS	-	-	-	-	-	-	-	RNP 1
020	TF	RUMLO	-	069 (068.6)	-	26.5	-	+3000	-230	RNP 1

WAYPOINTS LIST

Waypoint	Latitude	Longitude
KD611	03°53'20.905"N	009°43'41.485"E
KD612	04°31'40.337"N	009°49'20.336"E
AKBIP	04°53'44.012"N	009°28'56.931"E
AMGOS	03°06'54.605"N	009°57'08.338"E
APSET	04°51'39.973"N	010°03'39.383"E
ARGUD	04°11'21.342"N	009°34'48.444"E
ERPIS	03°50'50.491"N	009°04'42.471"E
MOVAP	04°05'58.369"N	009°32'06.141"E
RAVOP	03°49'16.668"N	009°51'42.690"E
RUMLO	04°00'35.385"N	009°29'23.875"E
UMUSO	03°45'36.000"N	010°49'00.000"E

STANDARD ARRIVAL CHART INSTRUMENT (STAR) Categories A-B-C-D

APP 129.5
TWR 119.7

DOUALA / Intl (FKKD) RWY 30

AKBIP 1A, ARDOP 1A, UMUSO 1A, AMGOS 1A, EDGAD 1A

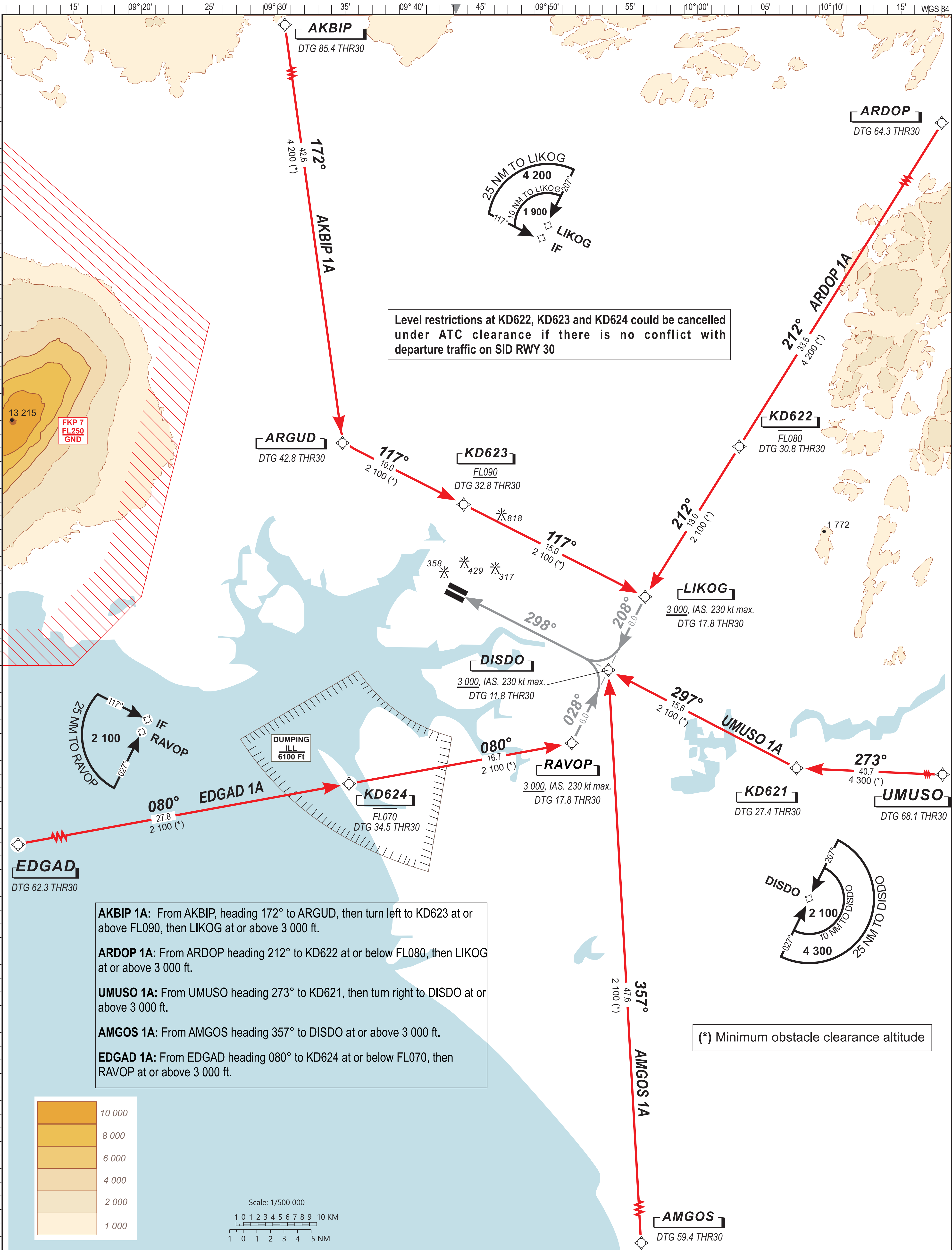
ELEV.& ALT IN FEET
DISTANCE IN NM
BRG ARE MAGNETIC
VAR 0°W (2025)

Notes:

CONTINUOUS DESCENT OPERATIONS (CDO)

RNP 1

TRANSITION ALTITUDE: 3 500



AKBIP 1A: From AKBIP, heading 172° to ARGUD, then turn left to KD623 at or above FL090, then LIKOG at or above 3 000 ft.

ARDOP 1A: From ARDOP heading 212° to KD622 at or below FL080, then LIKOG at or above 3 000 ft.

UMUSO 1A: From UMUSO heading 273° to KD621, then turn right to DISDO at or above 3 000 ft.

AMGOS 1A: From AMGOS heading 357° to DISDO at or above 3 000 ft.

EDGAD 1A: From EDGAD heading 080° to KD624 at or below FL070, then RAVOP at or above 3 000 ft.

STANDARD ARRIVAL CHART INSTRUMENT (STAR) Categories A–B–C-D

DOUALA / Intl (FKKD) RWY 30

AKBIP 1A, ARDOP 1A, UMUSO 1A, AMGOS 1A, EDGAD 1A

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Ident.	Fly Over	Course °M (T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	NAV. Spec.
AKBIP 1A										
010	IF	AKBIP	-	-	-	-	-	-	-	RNP 1
020	TF	ARGUD	-	172 (172.1)	-	42.6	-	-	-	RNP 1
030	TF	KD623	-	117 (116.8)	-	10.0	L	+FL090	-	RNP 1
040	TF	LIKOG	-	117 (116.8)	-	15.0	-	+3000	-230	RNP 1
ARDOP 1A										
010	IF	ARDOP	-	-	-	-	-	-	-	RNP 1
020	TF	KD622	-	212 (212.2)	-	33.5	-	-FL080	-	RNP 1
030	TF	LIKOG	-	212 (212.2)	-	13.0	-	+3000	-230	RNP 1
UMUSO 1A										
010	IF	UMUSO	-	-	-	-	-	-	-	RNP 1
020	TF	KD621	-	273 (272.6)	-	40.7	-	-	-	RNP 1
030	TF	DISDO	-	297 (297.4)	-	15.6	R	+3000	-230	RNP 1
AMGOS 1A										
010	IF	AMGOS	-	-	-	-	-	-	-	RNP 1
020	TF	DISDO	-	357 (356.7)	-	47.6	-	+3000	-230	RNP 1
EDGAD 1A										
010	IF	EDGAD	-	-	-	-	-	-	-	RNP 1
020	TF	KD624	-	080 (079.8)	-	27.8	-	-FL070	-	RNP 1
030	TF	RAVOP	-	080 (079.8)	-	16.7	-	+3000	-230	RNP

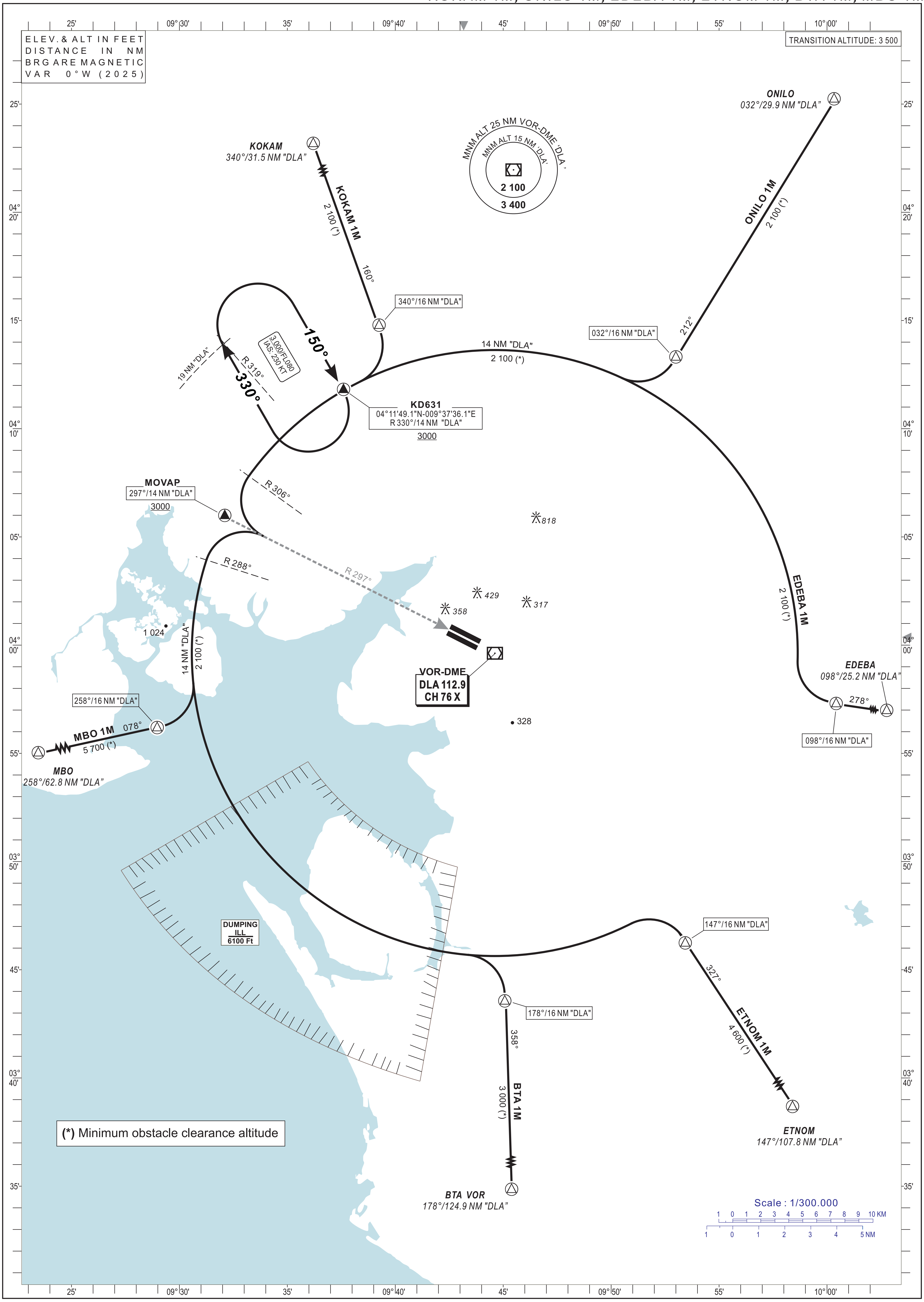
WAYPOINTS LIST

Waypoint	Latitude	Longitude
KD621	03°47'26.760"N	010°08'17.000"E
KD622	04°11'05.467"N	010°04'03.850"E
KD623	04°06'49.674"N	009°43'44.523"E
KD624	03°46'17.990"N	009°35'17.270"E
AKBIP	04°53'44.012"N	009°28'56.931"E
ARGUD	04°11'21.342"N	009°34'48.444"E
ARDOP	04°39'34.482"N	010°21'58.272"E
LIKOG	04°00'02.479"N	009°57'07.476"E
UMUSO	03°45'36.000"N	010°49'00.000"E
DISDO	03°54'39.578"N	009°54'25.066"E
RAVOP	03°49'16.668"N	009°51'42.690"E
AMGOS	03°06'54.605"N	009°57'08.338"E
EDGAD	03°41'19.555"N	009°07'55.407"E

STANDARD ARRIVAL CHART - INSTRUMENT (STAR VOR-DME)
Categories A-B-C-D

APP 129.5
TWR 119.7

DOUALA / Intl (FKKD)
RWY 12
KOKAM 1M, ONILO 1M, EDEBA 1M, ETNOM 1M, BTA 1M, MBO 1M



STANDARD ARRIVAL CHART - INSTRUMENT (STAR VOR-DME)
Categories A-B-C-D

APP	129.5
TWR	119.7

DOUALA / Intl (FKKD)
RWY 30
KOKAM 1D, ONILO 1D, EDEBA 1D, ETNOM 1D, BTA 1D, MBO 1D