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**BUREAU NOTAM INTERNATIONAL
 DE L'AFRIQUE CENTRALE**

B.P. 660 BRAZZAVILLE - CONGO

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

AIRAC AIP SUP

NR 54/A/25FC

12 JUN 2025

LIBREVILLE/Léon MBA - FOOL

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 Libreville/Léon MBA

This supplement is published to inform users of the update of flight procedures of Libreville/Léon MBA aerodrome.

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

INDICATIF CODÉ	COORDONNÉES	ROUTE ATS ou AUTRE ROUTE
1	2	3
BIGUN BINAS	00°38'43.80"N 009°19'18.80"E	LIBREVILLE IAF
LILAT	00°41'22.224"N 009°24'41.889"E 00°40'55.80"N 009°23'48"E	
RATOS	00°36'05.424"N 009°13'55.690"E 00°36'31.80"N 009°14'49.50"E	

AD2.24 FOOL — AERODROMES CHARTS

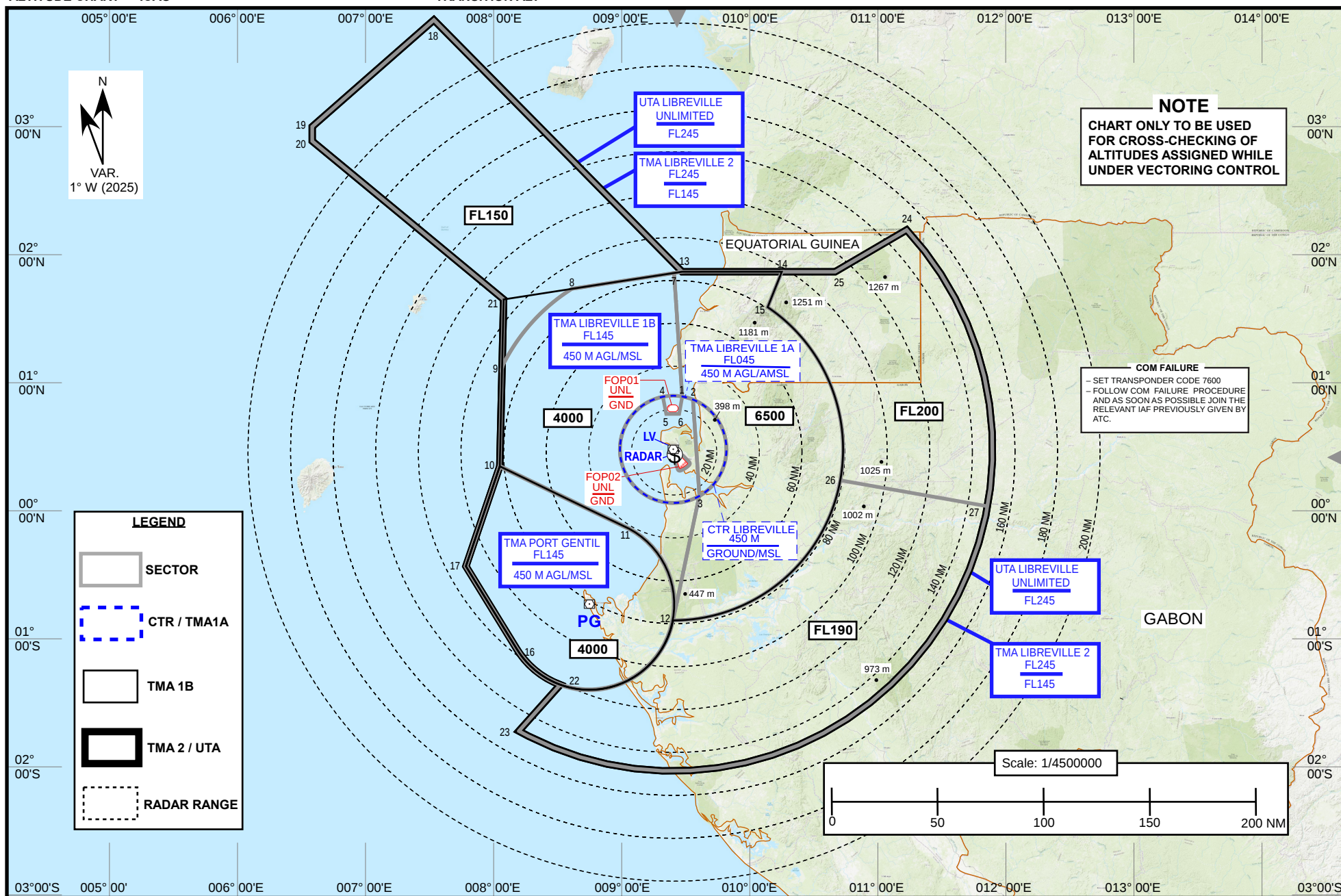
	INSERT NEW CHARTS BELOW New edition of IFR flight procedures in Libreville aerodrome	DELETE CHARTS BELOW These charts will be withdrawn to eAIP, and no more available
AIP ASECNA	– VOR X - RWY16 (07AD2-FOOL-IAC-VORX16) – VOR Z - RWY16 (07AD2-FOOL-IAC-VORZ16) – NDB - RWY16 (07AD2-FOOL-IAC-NDB16) – ILS X - RWY16 (07AD2-FOOL-IAC-ILSX16) – ILS Y - RWY16 (07AD2-FOOL-IAC-ILSY16) – ILS Z - RWY16 (07AD2-FOOL-IAC-ILSZ16) – ILS V - RWY16 (07AD2-FOOL-IAC-ILSV16, 07AD2-FOOL-IAC-ILSV16-DATA) – STAR VOR-DME RWY16 (07AD2-FOOL- STARVORDME16) – RNP - RWY16 (07AD2-FOOL-IAC-RNP16, 07AD2-FOOL-IAC-RNP16-DATA) – STAR RNP - RWY16 (07AD2-FOOL-STAR-RNP16, 07AD2-FOOL-STAR-RNP16-DATA-1, 07AD2-FOOL-STAR-RNP16-DATA-2) – SID RNP - RWY16 (07AD2-FOOL-SID-RNP16, 07AD2-FOOL-SID-RNP16-DATA-1, 07AD2-FOOL-SID-RNP16-DATA-2) – SID RNP – RWY34 (07AD2-FOOL-SID-RNP34) – Minimum Vectoring Altitude Chart (07AD2-FOOL-RMAC)	– 07AD2-FOOL-IAC-VORYX16 – 07AD2-FOOL-IAC-ILSW16

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

ATC SURVEILLANCE MINIMUM
ALTITUDE CHART — ICAOAERODROME ELEV 38 FT
TRANSITION ALT 3100 FT

CCR : 126.5

LIBREVILLE (FOOL)



07 AUGUST 2025

AERONAUTICAL INFORMATION SERVICE - ASECNA

07AD2-FOOL-RMAC

AIRAC AIP SUP NR 54/A/25FC

Annex 1/19

**INSTRUMENT
APPROACH
CHART-ICAO**

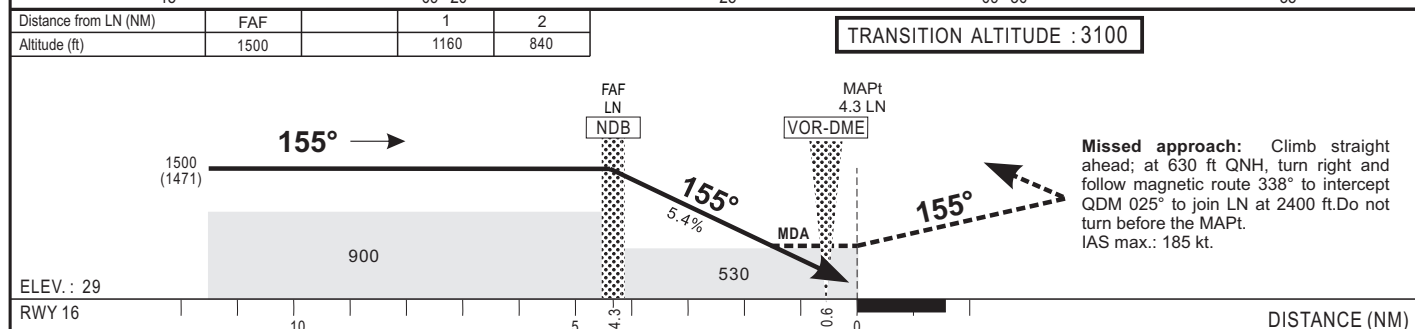
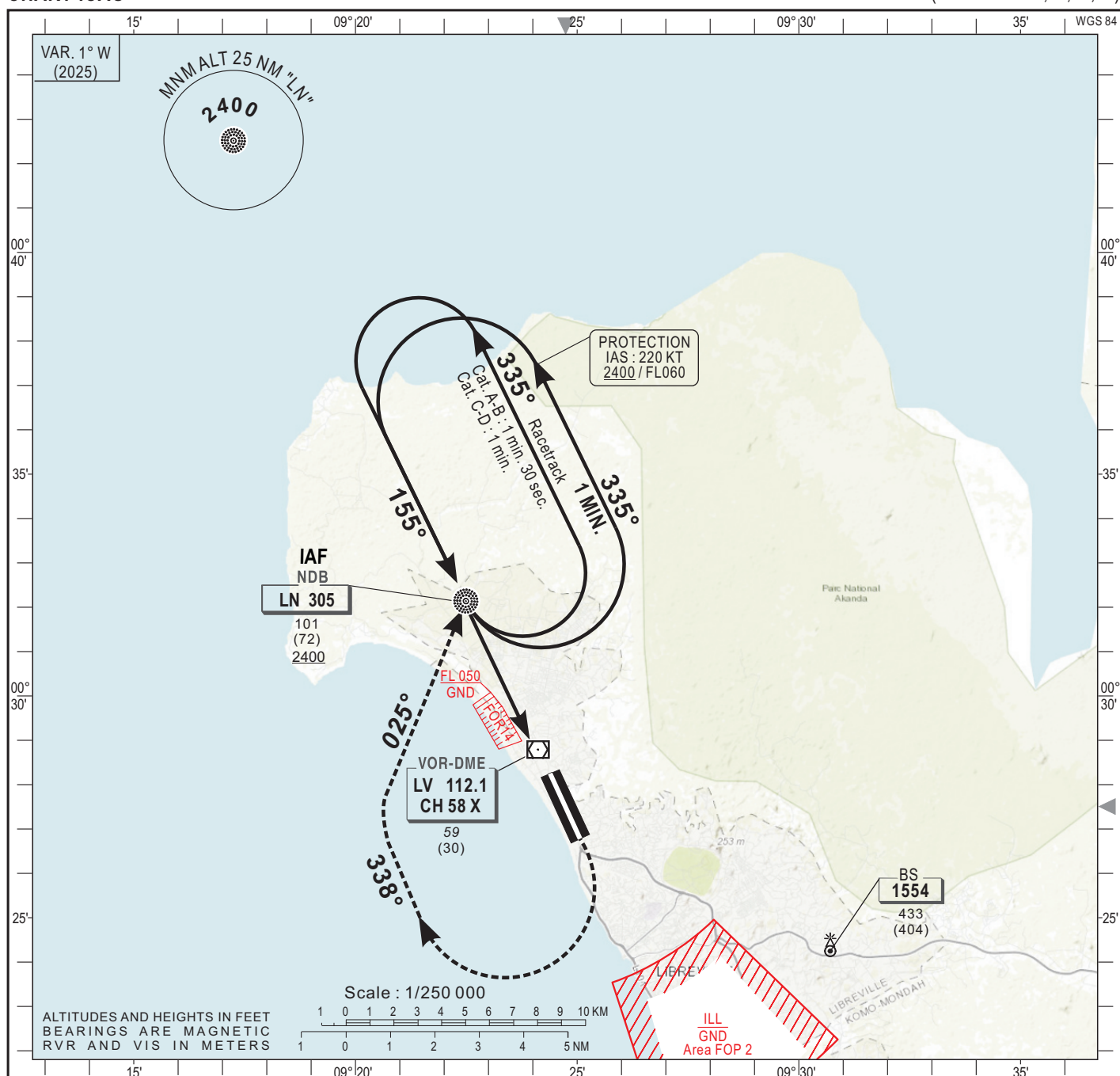
AERODROME ELEV 38 FT

HEIGHTS RELATED TO THR RWY16 - ELEV 29 FT

**APP 126.5
TWR 118.7**

LIBREVILLE Léon MBA (FOOL)

NDB - RWY 16
(ACFT CAT A, B, C, D)



CAT	NDB											RVR for take-off: CATA-B-C-D: 400				
	OCA (OCH)		MDA	MDH	RVR 1	RVR 2										
A	523 (494)		530	(500)	1000	1500							Timing FAF / THR 4.3 NM			
1200					1500											
1200					2000											
1600					2000											
D							90	2	Min	52	140	1	Min	51		

Notes : - 1 With approach lights - 2 Without approach lights.

CORRECTIONS : New edition.

07 AUGUST 2025

AERONAUTICAL INFORMATION SERVICE - ASECNA

7AD2-FOOL-IAC-NDB16

**INSTRUMENT
APPROACH
CHART-ICAO**

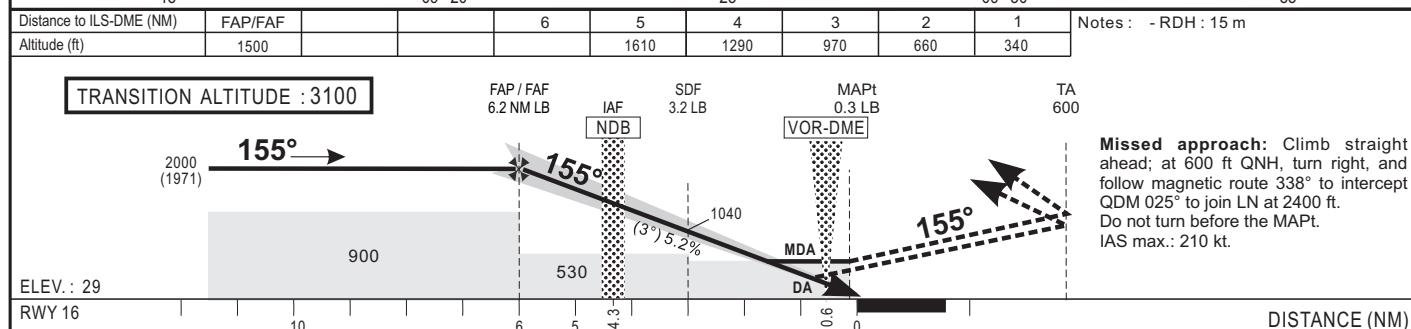
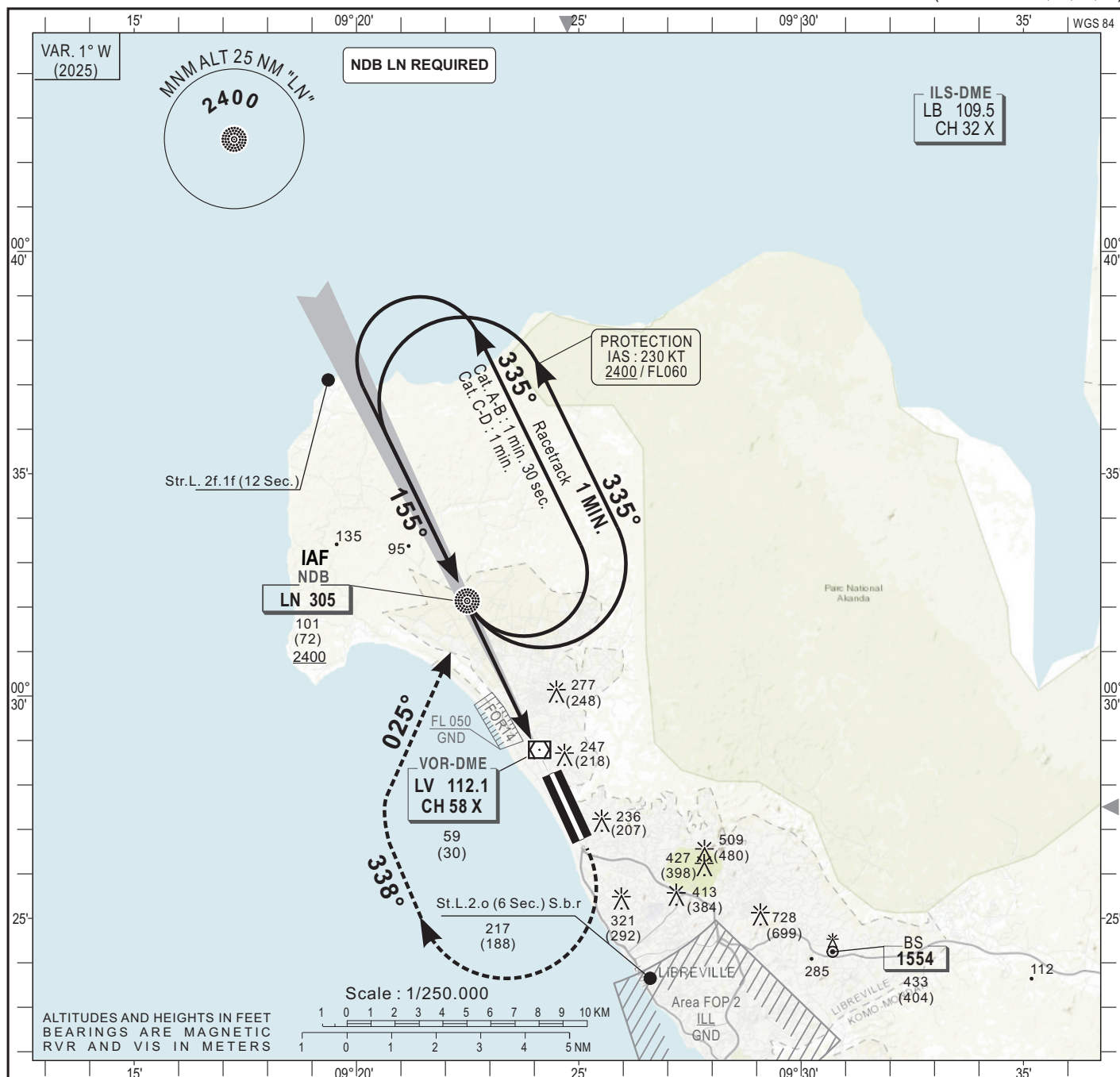
AERODROME ELEV 38 FT

HEIGHTS RELATED TO THR RWY16 - ELEV 29 FT

**APP 126.5
TWR 118.7**

LIBREVILLE Léon MBA (FOOL)

ILS Y or LOC Y - RWY 16
(ACFT CAT A, B, C, D)



CAT	CAT. 1					LOC					RVR for take-off:	
	OCA (OCH)	DA	DH	RVR 1	RVR 2	OCA (OCH)	MDA	MDH	RVR (1)	RVR (2)	CAT A - B - C	CAT D
A	252 (223)	260 (230)		600	1000				1000	1500	400	
B	262 (233)	270 (240)		600	1000	472 (443)	480 (450)		1200	1500		
C	272 (243)	280 (250)		600	1000				1200	2000		
D	282 (253)	290 (260)		650	1200				1600	2000		

Notes : - 1 With approach lights - 2 Without approach lights.

Timing		FAP / THR	
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

07 AUGUST 2025

AERONAUTICAL INFORMATION SERVICE - ASECNA

07AD2-FOOL-IAC-ILSY16

AIRAC AIP SUP NR 54/A/25FC

Annex 3/19

**INSTRUMENT
APPROACH
CHART-ICAO**

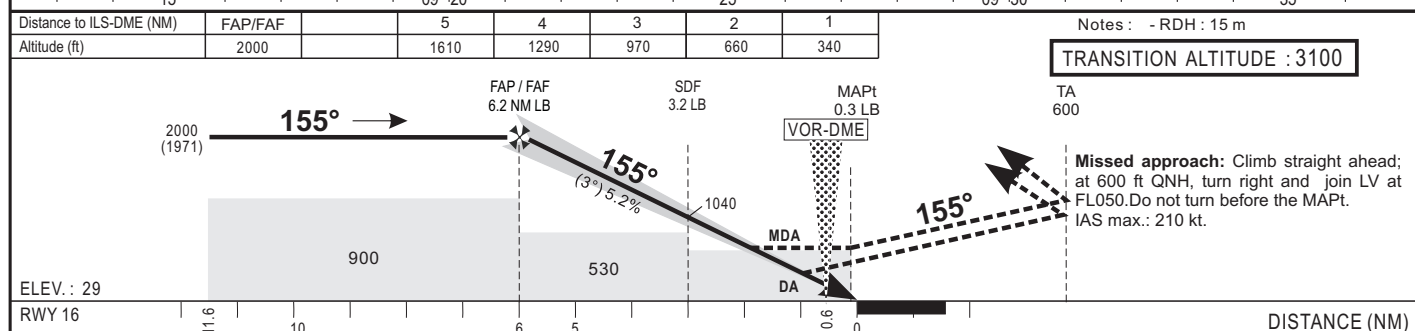
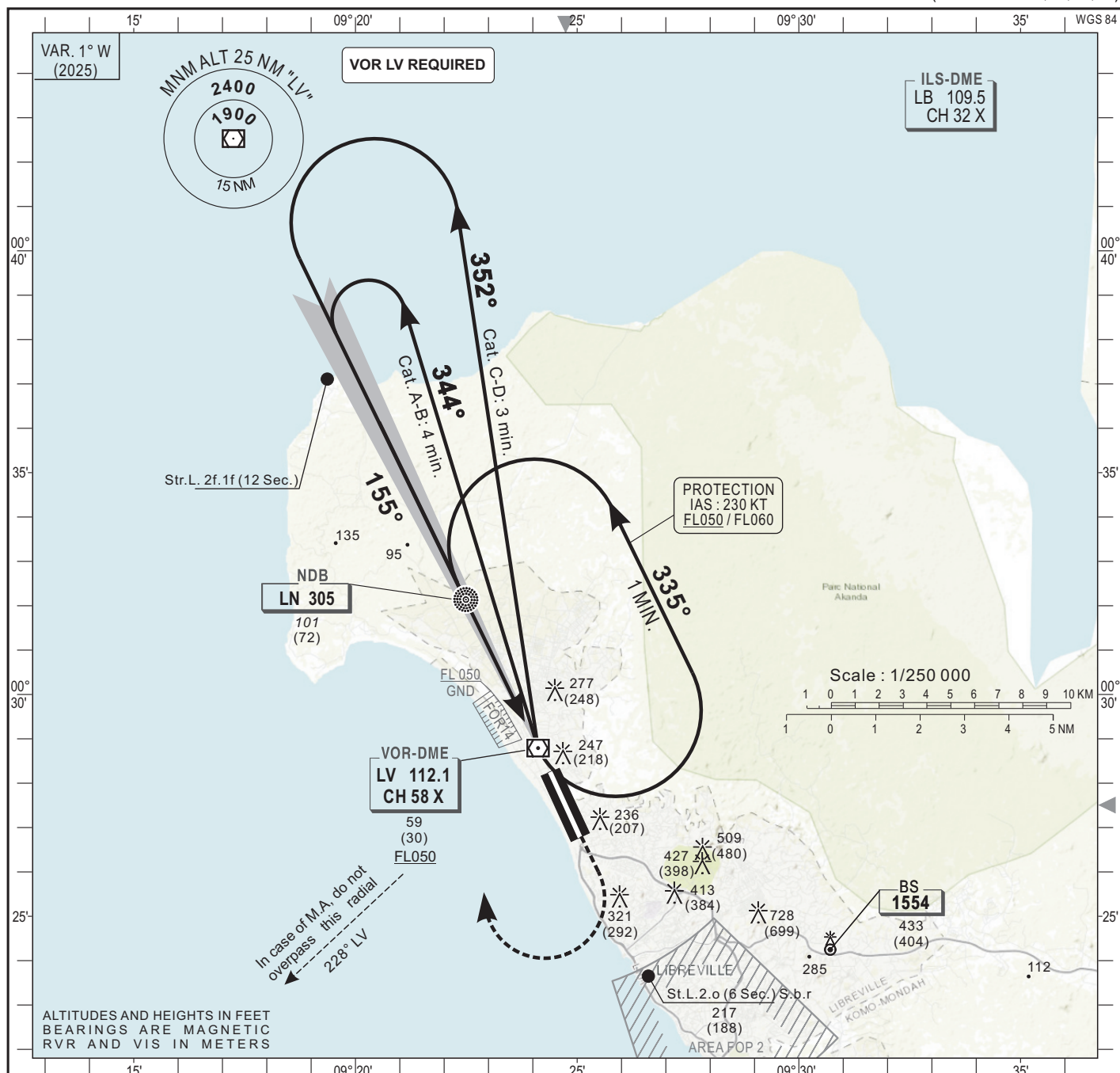
AERODROME ELEV 38 FT

HEIGHTS RELATED TO THR RWY16 - ELEV 29 FT

**APP 126.5
TWR 118.7**

LIBREVILLE Léon MBA (FOOL)

ILS X or LOC X - RWY 16
(ACFT CAT A, B, C, D)



CAT	CAT. 1					LOC					RVR for take-off: CATA-B-C-D: 400	
	OCA (OCH)	DA	DH	RVR1	RVR2	OCA (OCH)	MDA	MDH	RVR(1)	RVR(2)		
A	252 (223)	260 (230)		600	1000	472 (443)	480 (450)		1000	1500	Timing FAP / THR 6.0 NM	
B	262 (233)	270 (240)		600	1000				1200	1500		
C	272 (243)	280 (250)		600	1000				1200	2000		
D	282 (253)	290 (260)		650	1200				1600	2000		
KT MIN SEC KT MIN SEC												
90 4 Min 00 140 2 Min 34												

Notes : - 1 With approach lights - 2 Without approach lights.

CORRECTIONS : new edition.

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AERONAUTICAL INFORMATION SERVICE - ASECNA

07AD2-FOOL-IAC-ILS16

AIRAC AIP SUP NR 54/A/25FC

Annex 4/19

**INSTRUMENT
APPROACH
CHART-ICAO**

AERODROME ELEV 38 FT

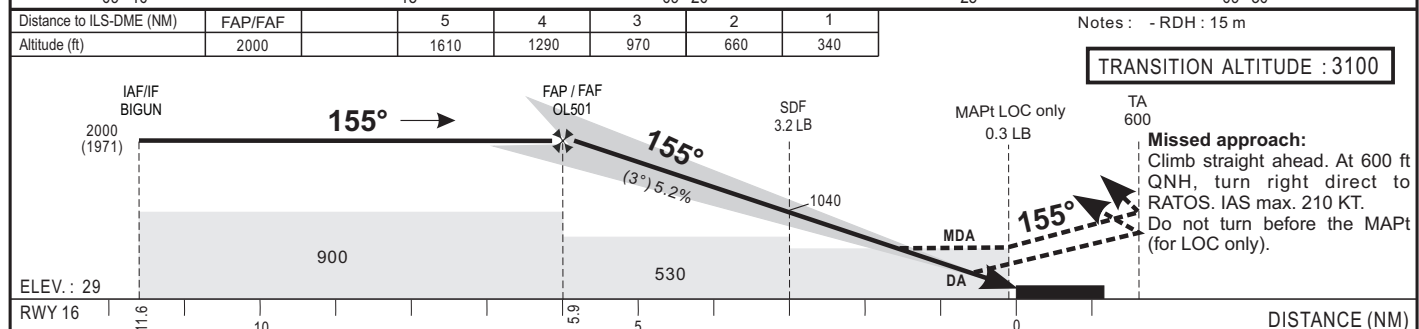
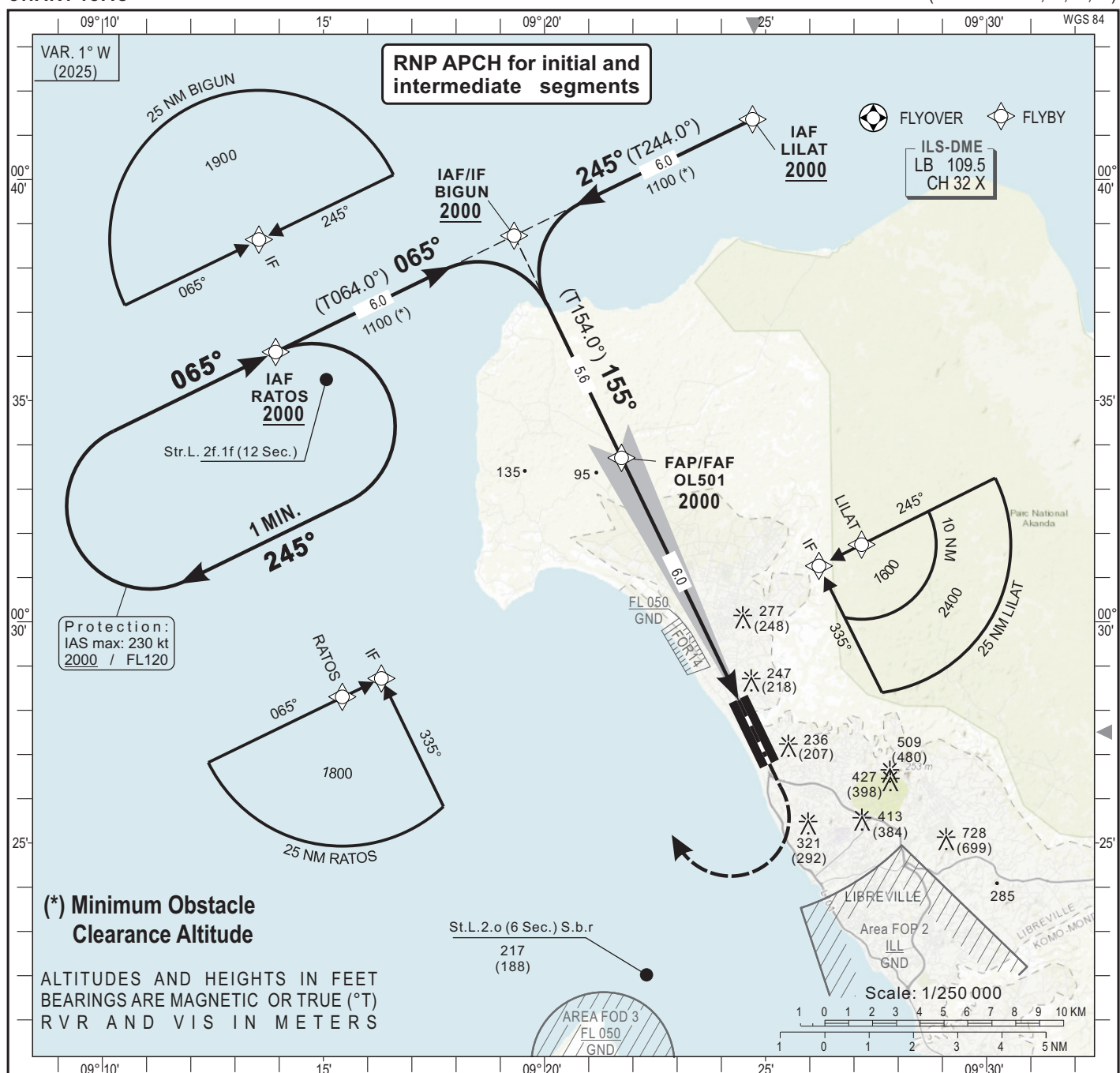
HEIGHTS RELATED TO THR RWY16 - ELEV 29 FT

**APP 126.5
TWR 118.7**

LIBREVILLE Léon MBA (FOOL)

ILS V or LOC V - RWY 16

(ACFT CAT A, B, C, D)



CAT	CAT. 1					LOC					RVR for take-off: CATA-B-C-D: 400					
	OCA (OCH)	DA	DH	RVR1	RVR2	OCA (OCH)	MDA	MDH	RVR1	RVR2	Timing FAP/THR 6.0 NM					
	KT	MIN	SEC	KT	MIN	SEC	KT	MIN	SEC	KT	MIN	SEC				
A	252 (223)	260 (230)		600	1000	472 (443)	480 (450)		1000	1500	90	4 Min 00	140	2 Min 34		
B	262 (233)	270 (240)		600	1000				1200	1500						
C	272 (243)	280 (250)		600	1000				1200	2000						
D	282 (253)	290 (260)		650	1200				1600	2000						

Notes: - 1 With approach lights - 2 Without approach lights.
- Climbing sectors after take-off from RWY16: between radial 011° "LV" and 233° "LV".

CORRECTIONS : new edition.

07 AUGUST 2025

AIRAC AIP SUP NR 54/A/25FC

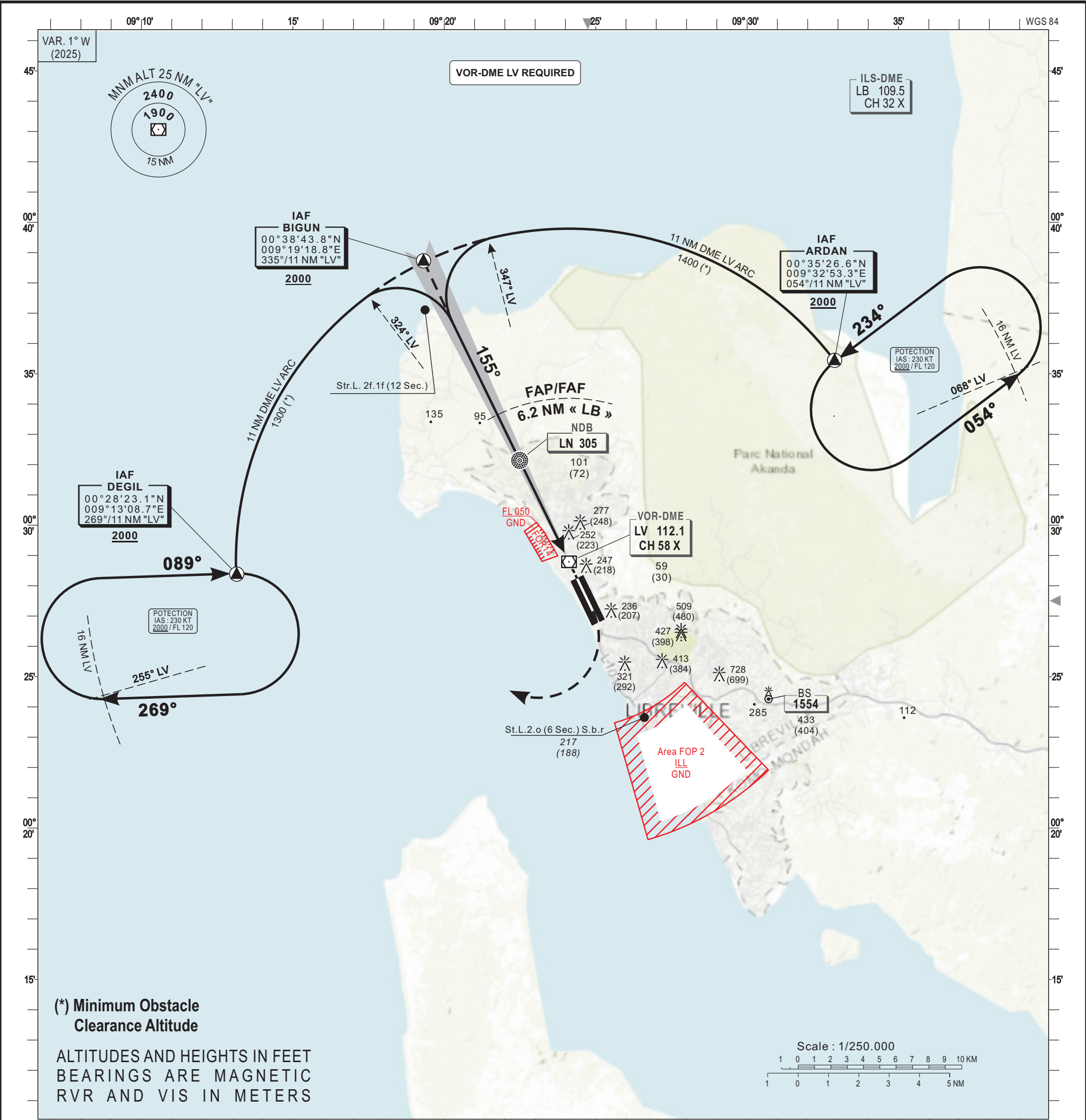
AERONAUTICAL INFORMATION SERVICE - ASECNA

07AD2-FOOL-IAC-ILSV16

Annex 5/19

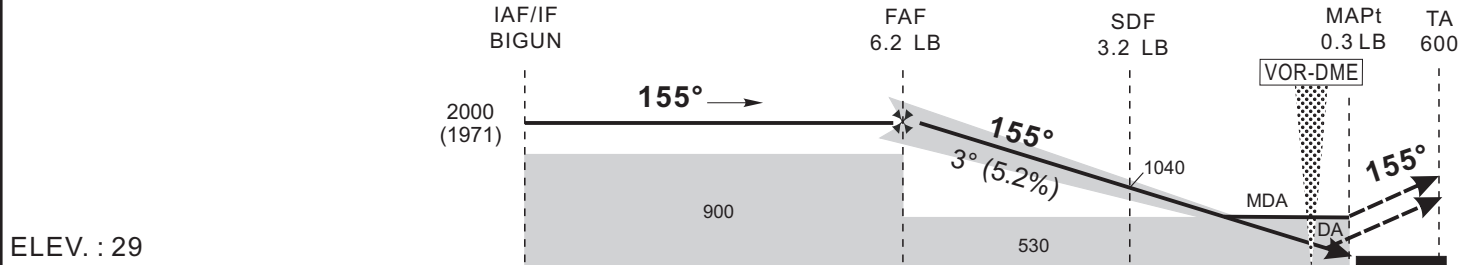
TABULAR DESCRIPTION											
ILS V RWY 16											
Serial Number	Path Descriptor	Waypoint Identifier	Fly- Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed limit (Kt)	VPA / TCH	Navigation Specification
10	IF	LILAT	-					+2000	230	-	RNP APCH
20	TF	BIGUN	-	245(244.0)		6.0		+2000	230	-	RNP APCH
10	IF	RATOS	-					+2000	230	-	RNP APCH
20	TF	BIGUN	-	065(064.0)		6.0		+2000	230	-	RNP APCH
10	IF	BIGUN	-					+2000	230	-	RNP APCH
20	TF	OL501	-	155(154.0)		5.6		@2000	-	-	RNP APCH
40	CA			155(154.0)			R	+600	-	-	RNP APCH
50	DF	RATOS	-					+2000	-		RNP APCH
10	IF	RATOS	-					+2000	230	-	RNP APCH
20	HM	RATOS	Y	065(064.0)			R	+2000	230	-	RNP APCH

ILS V RWY 16		
Waypoint Identifier	Coordinates	
LILAT	00°41'22.224"N	009°24'41.889"E
BIGUN	00°38'43.800"N	009°19'18.800"E
RATOS	00°36'05.424"N	009°13'55.690"E
OL501	00°33'42.400"N	009°21'44.500"E
RW16	00°28'14.930"N	009°24'22.864"E



TRANSITION ALTITUDE : 3100

DME distance to ILS-DME (NM)	FAP/FAF	5	4	3	2	1
Altitude (ft)	2000	1610	1290	970	660	340

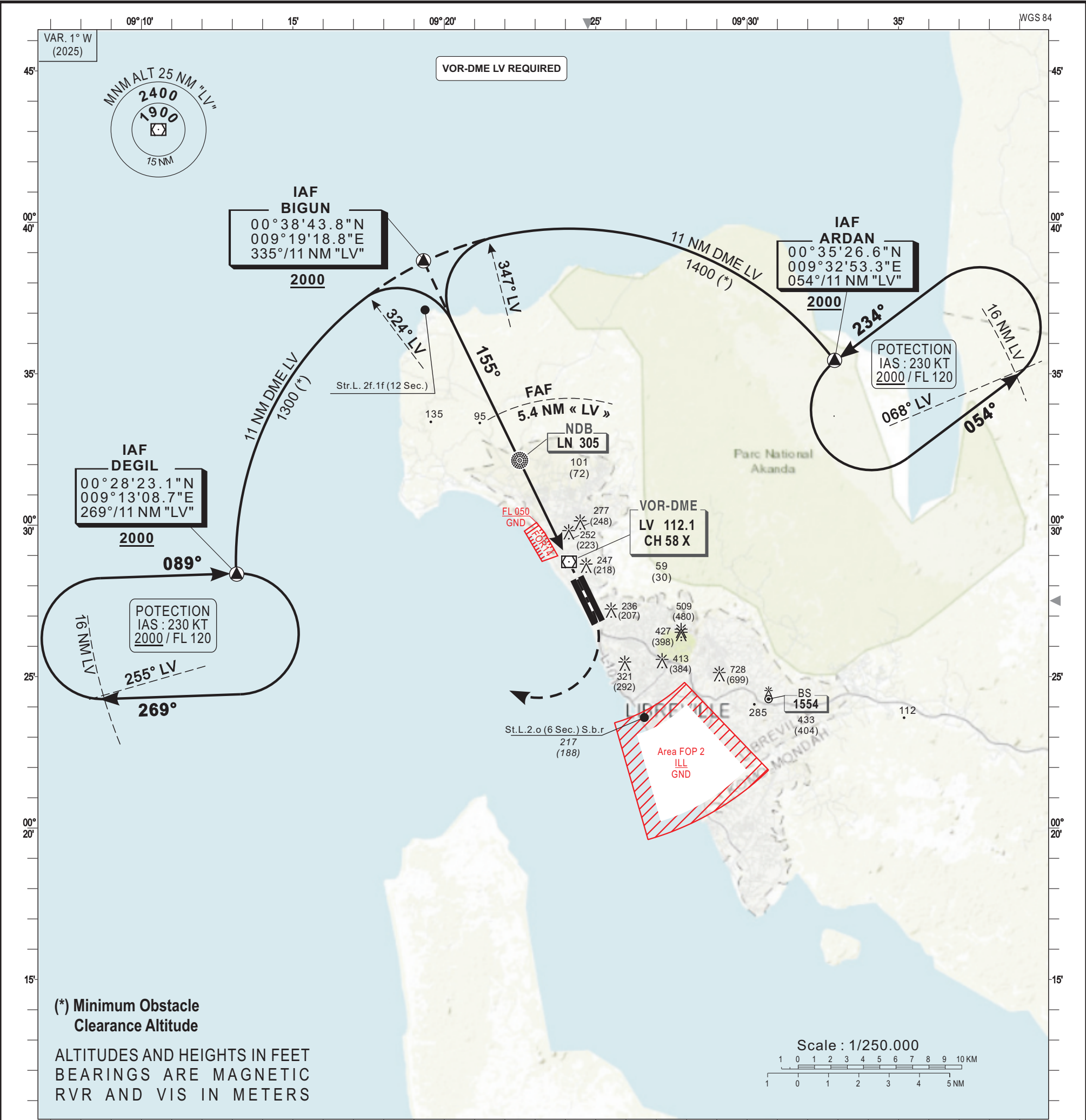


Missed approach: Climb straight ahead. At 600 ft QNH, turn right, and follow LV 269° radial direct to DEGIL at 2000 ft. Do not turn before the MAPt. IAS max.: 210 kt.

DISTANCE (NM)

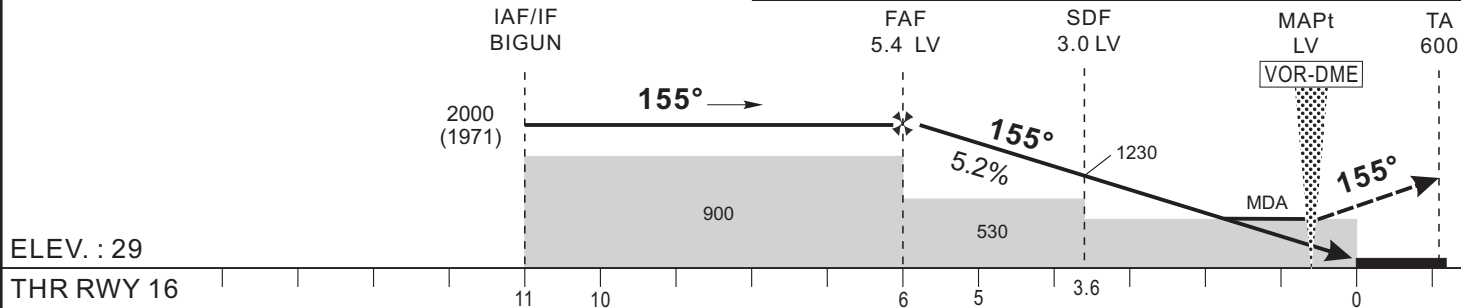
CAT	CAT. 1				LOC												RVR for take-off CATA-B-C-D: 400	
	OCA(OCH)	DA	DH	RVR 1	RVR 2	OCA(OCH)	MDA MDH	RVR 1	RVR 2									
A	252 (223)	260 (230)		600	1000	472 (443)	480 (450)	1000	1500									Timing FAF / THR 6.0 NM KT MIN SEC KT MIN SEC 90 4 Min 00 140 2 Min 34
B	262 (233)	270 (240)		600	1000			1200	1500									
C	272 (243)	280 (250)		600	1000			1200	2000									
D	282 (253)	290 (260)		650	1200			1600	2000									

Notes : 1 With approach lights - 2 Without approach lights.
- Climbing sectors after take-off from RWY16:
= Between radials 312° "LV" and 211° "LV", if holding DEGIL is active.
= Between radials 112° LV and 011° LV, if holding ARDAN is active.



TRANSITION ALTITUDE : 3100

DME distance to THR (NM)	FAF	5	4	3	2	1
Altitude (ft)	2000	1870	1550	1230	910	590



Missed approach: Climb straight ahead. At 600 ft QNH, turn right, and follow LV 269° radial direct to DEGIL at 2000 ft. Do not turn before the MAPt. IAS max.: 210 kt.

ELEV. : 29

THR RWY 16

DISTANCE (NM)

CAT	VOR-DME				RVR for take-off CATA-B-C-D: 400
	OCA(OCH)	MDA MDH	RVR 1	RVR 2	
A	498 (469)	500 (470)	1000	1500	Timing FAF / THR 6.0 NM KT MIN SEC KT MIN SEC
B			1200	1500	
C			1200	2000	
D			1600	2000	

Notes : 1 With approach lights - 2 Without approach lights.
- Climbing sectors after take-off from RWY16:
= Between radials 312° "LV" and 211° "LV", if holding DEGIL is active.
= Between radials 112° LV and 011° LV, if holding ARDAN is active.

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

**INSTRUMENT
APPROACH
CHART-ICAO**

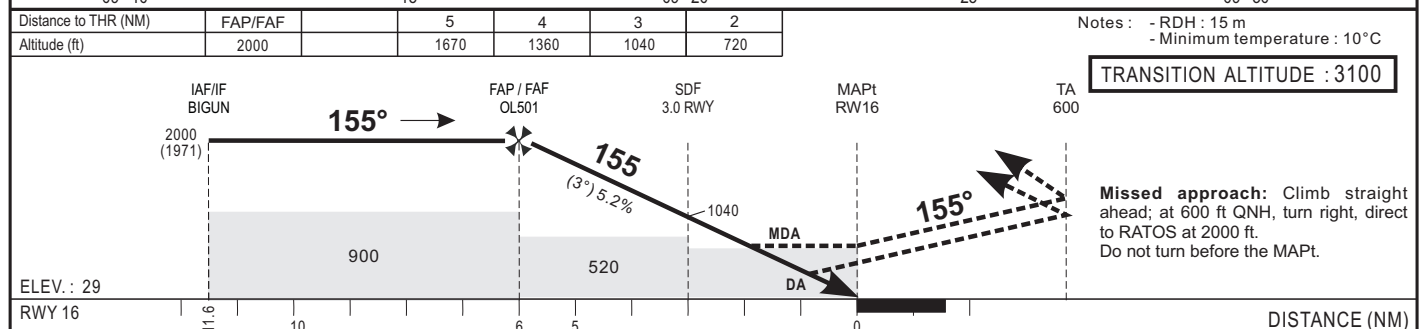
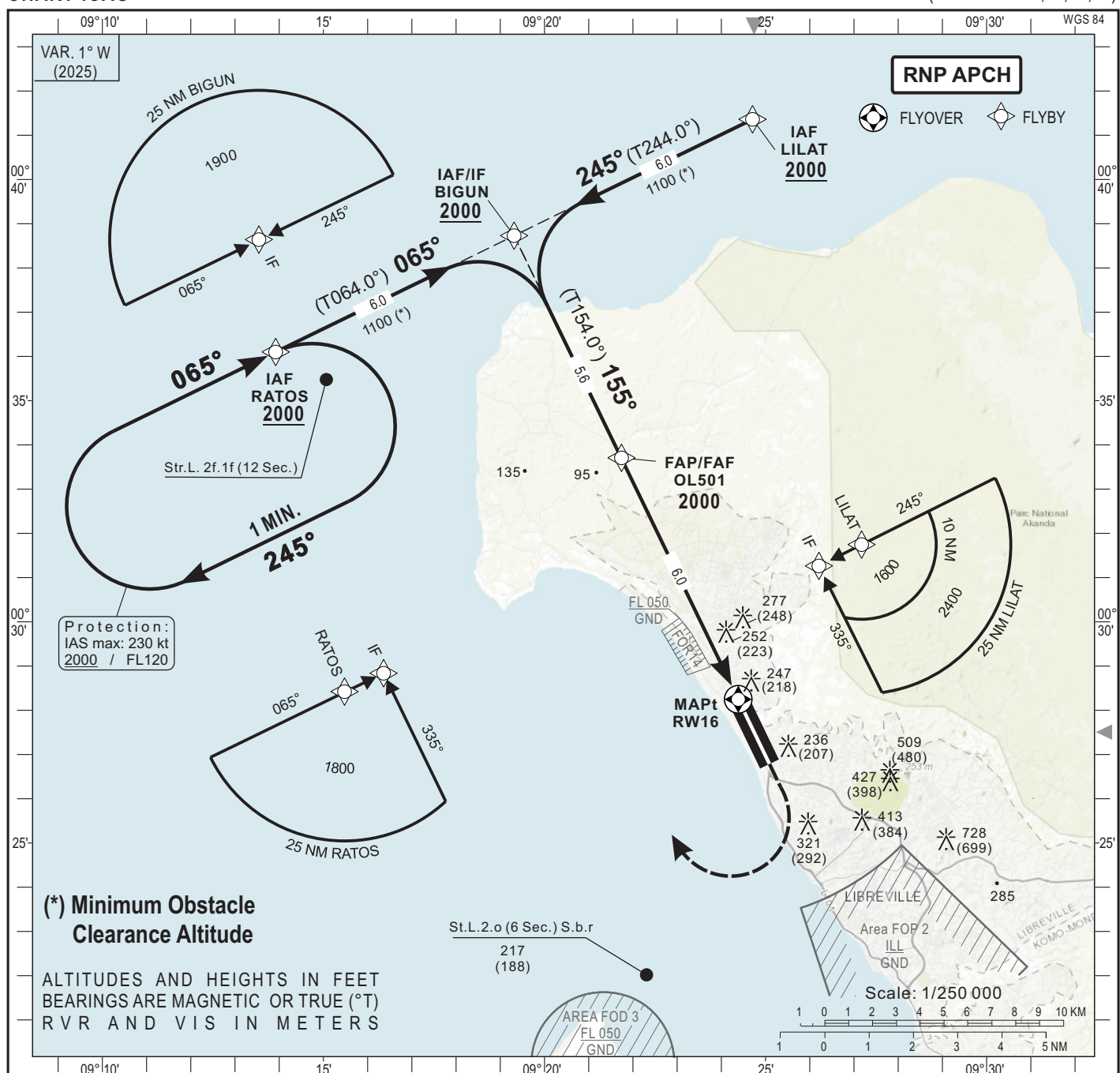
AERODROME ELEV 38 FT

HEIGHTS RELATED TO THR RWY16 - ELEV 29 FT

**APP 126.5
TWR 118.7**

LIBREVILLE Léon MBA (FOOL)

RNP - RWY 16
(ACFT CAT A, B, C, D)



CAT	LNAV/VNAV					LNAV					RVR for take-off: CATA-B-C-D: 400	
	OCA (OCH)	DA	DH	RVR1	RVR2	OCA (OCH)	MDA	MDH	RVR1	RVR2		
A	383 (354)	390 (360)		900	1500				1000	1500		
B	393 (364)	400 (370)		1000	1500	498 (469)	500 (470)		1200	1500		
C	403 (374)	410 (380)		1000	1800				1200	2000		
D	413 (384)	420 (390)		1400	2000				1600	2000		

Notes: - 1 With approach lights - 2 Without approach lights.
- Climbing sectors after take-off from RWY16: between radial 011° "LV" and 233° "LV".

Timing		FAP / 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

CORRECTIONS : New edition.

07 AUGUST 2025

AIRAC AIP SUP NR 54/A/25FC

AERONAUTICAL INFORMATION SERVICE - ASECNA

07AD2-FOOL-IAC-RNP16

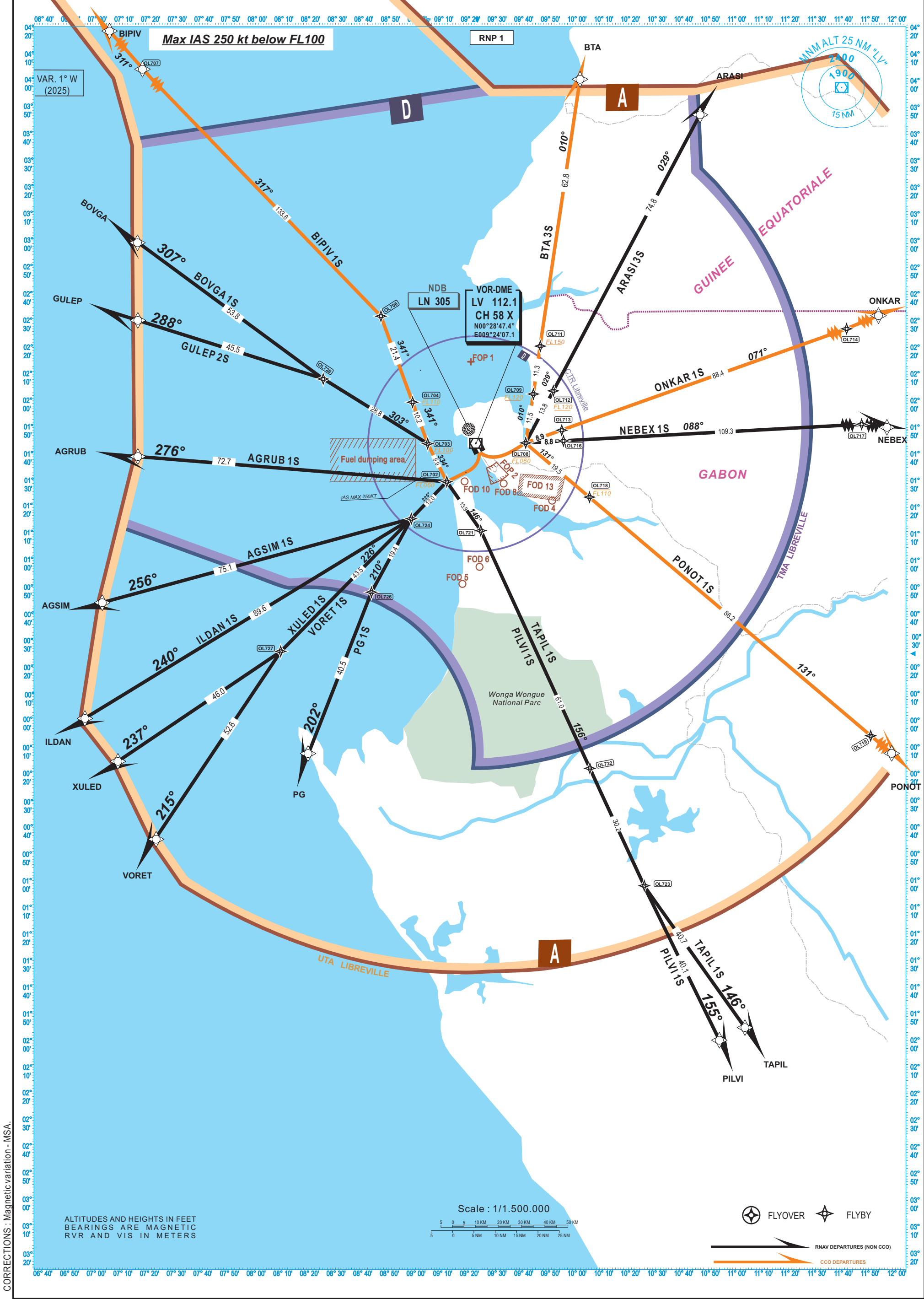
Annex 10/19

TABULAR DESCRIPTION

RNP RWY 16

Serial Number	Path Descriptor	Waypoint Identifier	Fly- Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed limit (Kt)	VPA / TCH	Navigation Specification
10	IF	LILAT	-					+2000	230	-	RNP APCH
20	TF	BIGUN	-	245(244.0)		6.0		+2000	230	-	RNP APCH
10	IF	RATOS	-					+2000	230	-	RNP APCH
20	TF	BIGUN	-	065(064.0)		6.0		+2000	230	-	RNP APCH
10	IF	BIGUN	-					+2000	230	-	RNP APCH
20	TF	OL501	-	155(154.0)		5.6		@2000	-	-	RNP APCH
30	TF	RW16		155(154.0)	+1.0	6.0		@79	-	-3/15	RNP APCH
40	CA			155(154.0)			R	+600	-	-	RNP APCH
50	DF	RATOS	-					+2000	-	-	RNP APCH
10	IF	RATOS	-					+2000	230	-	RNP APCH
20	HM	RATOS	Y	065(064.0)			R	+2000	230	-	RNP APCH

RNP RWY 16		
Waypoint Identifier	Coordinates	
LILAT	00°41'22.224"N	009°24'41.889"E
BIGUN	00°38'43.800"N	009°19'18.800"E
RATOS	00°36'05.424"N	009°13'55.690"E
OL501	00°33'42.400"N	009°21'44.500"E
RW16	00°28'14.930"N	009°24'22.864"E



TABULAR DESCRIPTION

SID Indicator				SID Identifier			VAR 2020 - 2.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
VORET 1S									
010	CA			155(154.0)	-	R	+500	210	RNP1
020 [*]	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL724	N	225(224.0)	12.0				RNP1
040	TF	OL727	N	226(224.7)	43.5	L			RNP1
050	TF	VORET	N	215(213.6)	52.6				RNP1
XULED 1S									
010	CA			155(154.0)	-	R	+500	210	RNP1
020 ^{**}	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL724	N	225(224.0)	12.0				RNP1
040	TF	OL727	N	226(224.7)	43.5	R			RNP1
050	TF	XULED	N	237(236.1)	46.0				RNP1
ILDAN 1S									
010	CA			155(154.0)	-	R	+500	210	RNP1
020 ^{***}	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL724	N	225(224.0)	12.0	R			RNP1
040	TF	ILDAN	N	240(238.7)	89.0				RNP1
AGSIM 1S									
010	CA			155(154.0)	-	R	+500	210	RNP1
020 ^{****}	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL724	N	225(224.0)	12.0				RNP1
040	TF	AGSIM	N	256(254.8)	75.1				RNP1

(*)sequence N°20 for VORET 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(**)sequence N°20 for TUREX 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(***)sequence N°20 for ILDAN 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(****)sequence N°20 for AGSIM 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(*****)sequence N°20 for KOPUB 3S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

SID Indicator				SID Identifier			VAR 2020 - 2.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
AGRUB 1S									
010	CA			155(154.0)	-	R	+500	210	RNP1
***** 020	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	AGRUB	N	276(274.6)	72.7				RNP1
GULEP 2S									
010	CA			155(154.0)	-	R	+500	210	RNP1
***** 020	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL703	N	334(333.2)	09.9	L	+FL100		RNP1
040	TF	OL728	N	303(301.6)	28.8	L			RNP1
050	TF	GULEP	N	288(287.4)	45.5				RNP1
BOVGA 1S									
RNP1									
010	CA			155(154.0)	-	R	+500	210	RNP1
***** 020	CF	OL702		245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL703	N	334(333.2)	09.9	L	+FL100		RNP1
040	TF	OL728	N	303(301.6)	28.8	L			RNP1
050	TF	BOVGA	N	307(306.2)	53.8				RNP1

(*****)sequence N°20 for GULEP 2S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(*****)sequence N°20 for DESOS 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	VORET	01°03'48.0"S	008°09'17.0"E
2	XULED	00°45'33.2"S	008°00'19.8"E
3	ILDAN	00°35'30.5"S	007°52'36.4"E
4	AGSIM	00°08'24.0"S	007°56'40.0"E
5	AGRUB	00°25'49.0"N	008°05'00.0"E
6	NEBEX	00°30'55.6"N	012°01'28.8"E
7	GULEP	00°57'44.0"N	008°05'00.0"E
8	BOVGA	01°15'58.0"N	008°05'00.0"E
9	OL702	00°19'58.1"N	009°17'17.4"E
10	OL703	00°28'52.5"N	009°12'48.8"E
11	OL724	00°11'19.1"N	009°08'59.2"E
12	OL727	00°19'45.9"S	008°38'24.1"E
13	OL728	00°44'02.2"N	008°48'19.5"E

CORRECTIONS : Magnetic variation.

TABULAR DESCRIPTION

SID Indicator				SID Identifier			VAR 2025 - 1.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
BIPIV 1S									
010	CA			155(154.0)	-	R	+500	210	RNP1
020	* CF	OL702	N	245(244.0)	-	R	-FL60	250	RNP1
030	TF	OL703	N	334(333.2)	09.9	R	+FL100		RNP1
040	TF	OL704	N	341(339.7)	10.2		+FL110		RNP1
050	TF	OL706	N	341(339.7)	21.4	L			RNP1
060	TF	OL707	N	317(315.8)	133.8				RNP1
070	TF	BIPIV	N	311(310.3)	54.5				RNP1
BTA 3S									
010	CA			155(154.0)	-	L	+500	210	RNP1
020	** CF	OL708	N	065(064.0)	-	L	-FL060	250	RNP1
030	TF	OL709	N	010(008.6)	11.5		+FL120		RNP1
040	TF	OL711	N	010(008.6)	11.3		+FL150		RNP1
050	TF	BTA	N	010(008.6)	62.8				RNP1
ONKAR 1S									
010	CA			155(154.0)	-	L	+500	210	RNP1
020	*** CF	OL708	N	065(064.0)	-		-FL060	250	RNP1
030	TF	OL713	N	072(070.5)	08.9				RNP1
040	TF	OL714	N	072(070.5)	88.4				RNP1
050	TF	ONKAR	N	061(059.7)	28.4	L			RNP1
PONOT 1S									
010	CA			155(154.0)	-	L	+500	210	RNP1
020	**** CF	OL708	N	065(064.0)	-	R	-FL060	250	RNP1
030	TF	OL718	N	131(130.2)	19.5		-FL110		RNP1
040	TF	OL719	N	131(130.2)	86.2	R			RNP1
050	TF	PONOT	N	138(136.8)	35.6				RNP1
ARASI 3S									
010	CA			155(154.0)	-	L	+500	210	RNP1
020	***** CF	OL708	N	065(064.0)	-	L	-FL060	250	RNP1
030	TF	OL712	N	029(027.5)	13.8		+FL120		RNP1
040	TF	ARASI	N	029(027.5)	74.8				RNP1

(*)sequence N°20 for BIPIV 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	99.8	11.7

(**)sequence N°20 for BTA 3S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL708	LV	99.8	11.7

(***)sequence N°20 for IKRON 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL708	LV	99.8	11.7

(****)sequence N°20 for PONOT 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL708	LV	99.8	11.7

SID Indicator				SID Identifier			VAR 2025 - 1.0 W			
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec	
TAPIL 1S										
010	CA			155(154.0)	-	R	+500	210	RNP1	
020	*****	CF	OL702	N	245(244.0)	-	L	-FL060	250	RNP1
030	TF	OL721	N	146(145.0)	13.9	R			RNP1	
040	TF	OL722	N	156(155.2)	61.0				RNP1	
050	TF	OL723	N	156(154.9)	30.2	L				
060	TF	TAPIL	N	146(144.5)	40.7					
PILVI 1S										
010	CA			155(154.0)	-	R	+500	210	RNP1	
020	*****	CF	OL702	N	245(244.0)	-	L	-FL060	250	RNP1
030	TF	OL721	N	146(145.0)	13.9	R			RNP1	
040	TF	OL722	N	156(155.2)	61.0				RNP1	
050	TF	OL723	N	156(154.9)	30.2	L			RNP1	
060	TF	PILVI	N	155(153.9)	40.1				RNP1	
NEBEX 1S										
010	CA			155(154.0)	-	L	+500	210	RNP1	
020	*****	CF	OL708	N	065(064.0)	-	L	-FL060	250	RNP1
030	TF	OL716	N	088(086.8)	08.8				RNP1	
040	TF	OL717	N	088(086.8)	109.3				RNP1	
050	TF	NEBEX	N	100(099.4)	28.4				RNP1	
PG 1S										
010	CA			155(154.0)	-	R	+500	210	RNP1	
020	*****	CF	OL702	N	245(244.0)	-	R	-FL060	250	RNP1
030	TF	OL724	N	225(224.0)	12.0	L			RNP1	
040	TF	OL726	N	210(208.7)	19.4	L			RNP1	
050	TF	PG	N	202(201.5)	40.5				RNP1	

(****)sequence N°20 for ARASI 3S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL708	LV	99.8	11.7

(*****)sequence N°20 for TAPIL 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(******)sequence N°20 for BUNDO 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

(******)sequence N°20 for NEBEX 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL708	LV	99.8	11.7

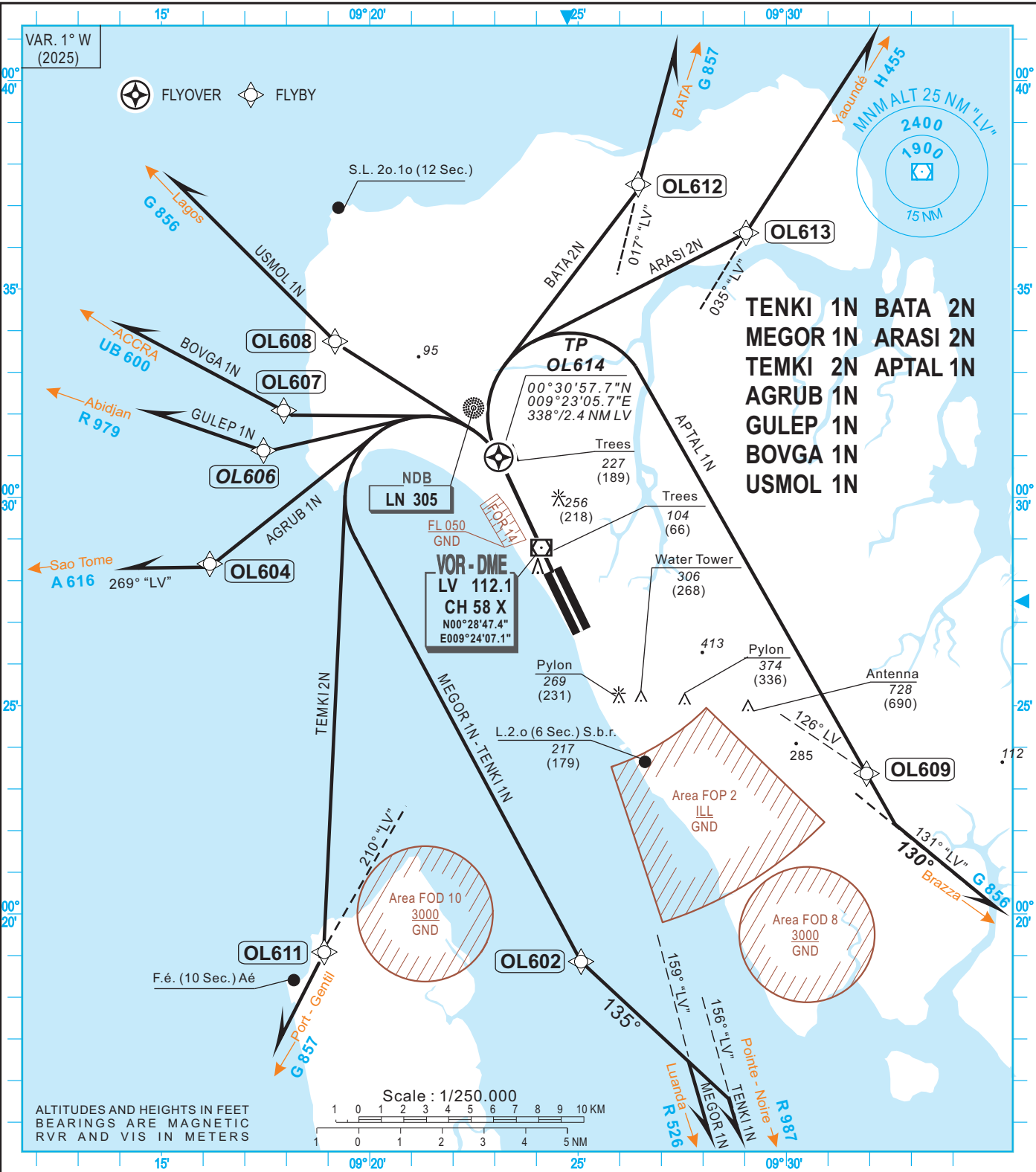
(******)sequence N°20 for PG 1S

Seq N°	PT	WPT ID	RMD VHF	THETA (°) magnetic	RHO (NM)
020	CF	OL702	LV	218.9	11.1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	BTA	01°54'09.0"N	009°48'32.0"E
2	BIPIV	03°10'37.0"N	006°47'06.0"E
3	ONKAR	01°16'04.0"N	011°31'56.0"E
4	PONOT	01°05'35.0"S	011°20'52.0"E
5	TAPIL	01°47'57.0"S	010°27'09.0"E
6	NEBEX	00°30'55.6"N	012°01'28.8"E
7	PILVI	01°50'54.0"S	010°21'12.0"E
8	ARASI	01°48'02.0"N	010°16'39.0"E
9	PG	00°43'43.6"S	008°44'50.9"E
10	OL702	00°19'58.1"N	009°17'17.4"E
11	OL703	00°28'52.5"N	009°12'48.8"E
12	OL704	00°38'30.5"N	009°09'16.4"E
13	OL706	00°58'43.1"N	009°01'52.5"E
14	OL707	02°35'10.7"N	007°28'42.4"E
15	OL708	00°29'01.2"N	009°35'48.2"E
16	OL709	00°40'27.8"N	009°37'30.9"E
17	OL711	00°51'43.5"N	009°39'11.9"E
18	OL712	00°41'21.3"N	009°42'11.5"E
19	OL713	00°32'00.6"N	009°44'11.8"E
20	OL714	01°01'38.8"N	011°07'26.5"E
21	OL716	00°29'30.8"N	009°44'36.9"E
22	OL717	00°35'34.3"N	011°33'31.3"E
23	OL718	00°16'21.4"N	009°50'42.6"E
24	OL719	00°39'29.2"S	010°56'32.8"E
25	OL721	00°08'32.0"N	009°25'14.9"E
26	OL722	00°47'08.8"S	009°50'48.4"E
27	OL723	01°14'39.9"S	010°03'35.1"E
28	OL724	00°11'19.1"N	009°08'59.2"E
29	OL726	00°05'49.4"S	008°59'40.1"E

CORRECTIONS : Magnetic variation.



Notes:

Take-off from RWY34:

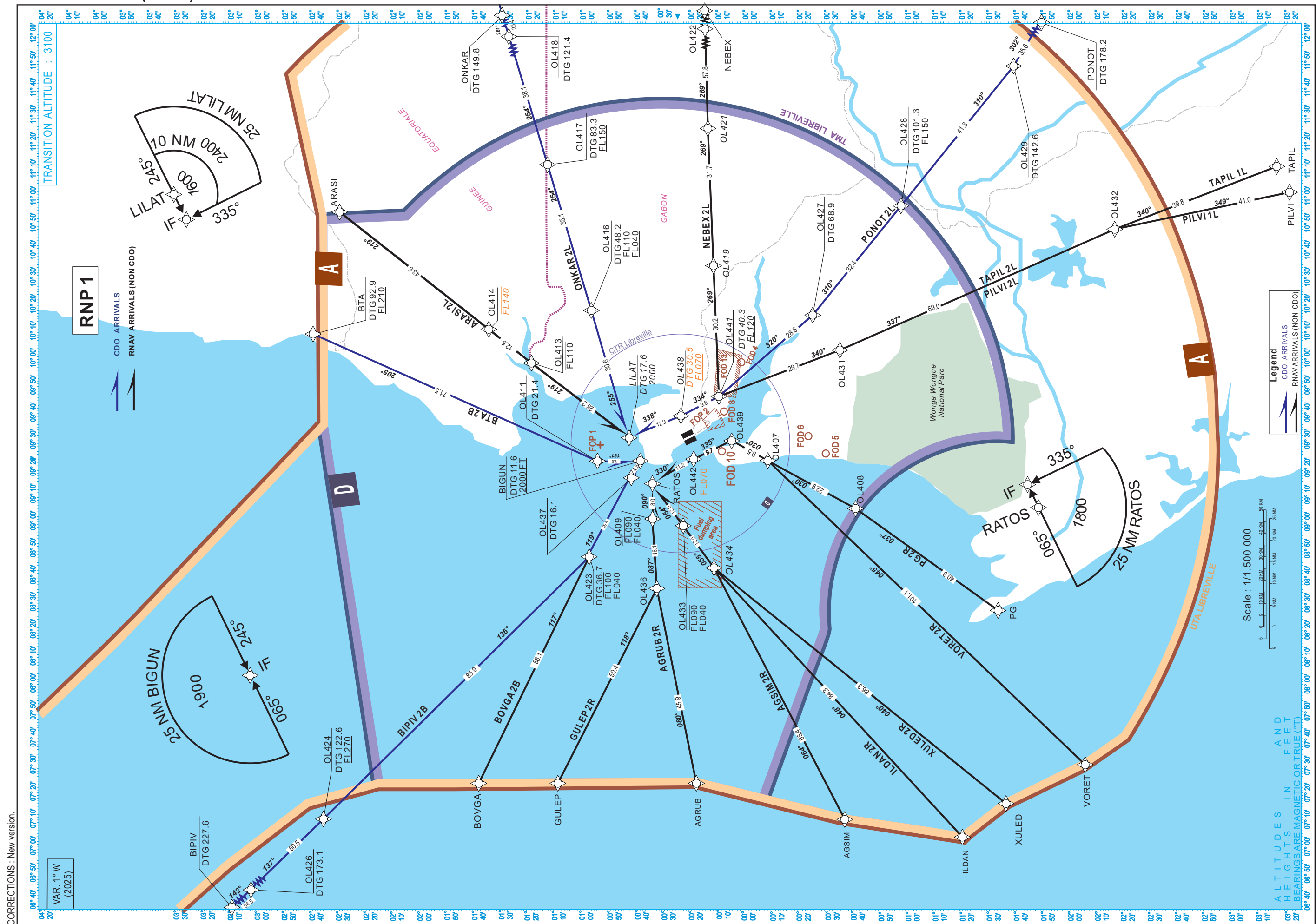
- Turning fix (OL614) at 3 NM from THR16 (2.4 NM LV).
- Climb direct to OL614. then turn according to the cleared SID.
- RNP1 operations

RVR for take-off

CAT A - B - C : 400
CAT D : 400

WAYPOINT	COORDINATES	QDR/D
OL602	00°18'46.8"N-009°24'59.3"E	176°/10.0 DME
OL604	00°28'29.4"N-009°16'08.3"E	269°/ 8.0 DME
OL606	00°31'11.5"N-009°17'33.1"E	291°/ 7.0 DME
OL607	00°32'08.0"N-009°17'58.2"E	300°/ 7.0 DME
OL608	00°33'49.6"N-009°19'14.4"E	317°/ 7.0 DME
OL609	00°23'22.2"N-009°31'55.5"E	126°/ 9.5 DME
OL611	00°19'05.1"N-009°18'51.8"E	210°/12.0 DME
OL612	00°37'29.7"N-009°26'33.6"E	017°/9.0 DME
OL613	00°36'18.9"N-009°29'06.2"E	035°/ 9.0 DME
OL614	00°30'57.7"N-009°23'05.7"E	337°/2.4 DME
VOR "LV"	00°28'47.4"N-009°24'07.1"E	

CORRECTIONS : Magnetic variation - MSA.

LIBREVILLE / Léon M'BA (FOOL)
RNAV (GNSS) -RWY16

TABULAR DESCRIPTION

STAR Indicator				STAR Identifier			VAR 2025 - 1.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
BIPIV 2B									
010	IF	BIPIV	N						RNP1
020	TF	OL426	N	142(141.1)	54.5	L			RNP1
030	TF	OL424	N	137(135.8)	50.5		+FL270		RNP1
040	TF	OL423	N	136(135.2)	85.9		BFL100-FL040		RNP1
050	TF	OL437	N	119(117.9)	20.6				RNP1
060	TF	BIGUN	N	119(117.9)	04.5		+2000	230	RNP1
BTA 2B									
010	IF	BTA	N						RNP1
020	TF	OL411	N	205(204.2)	71.5	L			RNP1
030	TF	BIGUN	N	181(180.2)	09.8			230	RNP1
ONKAR 2L									
010	IF	ONKAR	N						RNP1
020	TF	OL418	N	261(260.1)	28.4	L			RNP1
030	TF	OL417	N	254(253.4)	38.1		+FL150		RNP1
040	TF	OL416	N	254(253.4)	35.1		BFL110-FL040		RNP1
050	TF	LILAT	N	255(253.7)	30.6		+2000 FT	230	RNP1
PONOT 2L									
010	IF	PONOT	N						RNP1
020	TF	OL429	N	302(300.7)	35.6				RNP1
030	TF	OL428	N	310(308.7)	41.3	R	+FL150		RNP1
040	TF	OL427	N	310(308.7)	32.4				RNP1
050	TF	OL441	N	320(318.9)	28.6	R	+FL120		RNP1
060	TF	OL438	N	334(332.9)	09.8	R	+FL070		RNP1
070	TF	LILAT	N	338(337.3)	12.9		+2000 FT	230	RNP1
ARASI 2L									
010	IF	ARASI	N						RNP1
020	TF	OL414	N	219(218.4)	43.6		-FL140		RNP1
030	TF	OL413	N	219(218.4)	12.5		-FL110		RNP1
040	TF	LILAT	N	219(217.5)	28.2		+2000 FT	230	RNP1

STAR Indicator				STAR Identifier			VAR 2025 - 1.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
TAPIL 2L									
010	IF	TAPIL	N						RNP1
020	TF	OL432	N	340(338.7)	39.8				RNP1
030	TF	OL431	N	337(336.1)	69.0	L			RNP1
040	TF	OL441	N	340(338.9)	29.7	R	+FL120		RNP1
050	TF	OL438	N	334(332.9)	09.8		+FL070		RNP1
060	TF	LILAT	N	338(337.3)	12.9		+2000 FT	230	RNP1
PILVI 2L									
010	IF	PILVI	N						RNP1
020	TF	OL432	N	349(347.9)	41.0	L			RNP1
030	TF	OL431	N	337(336.1)	69.0	R			RNP1
040	TF	OL441	N	340(338.9)	29.7	L	+FL120		RNP1
050	TF	OL438	N	334(332.9)	09.8		+FL070		RNP1
060	TF	LILAT	N	338(337.3)	12.9		+2000 FT	230	RNP1
NEBEX 2L									
010	IF	NEBEX	N						RNP1
020	TF	OL422	N	260(259.1)	28.5				RNP1
030	TF	OL421	N	269(267.7)	57.8				RNP1
040	TF	OL419	N	269(267.7)	31.7				RNP1
050	TF	OL441	N	269(267.7)	30.2	R	+FL120		RNP1
060	TF	OL438	N	334(332.9)	09.8		+FL070		RNP1
070	TF	LILAT	N	338(337.3)	12.9		+2000 FT	230	RNP1
PG 2R									
010	IF	PG	N						RNP1
020	TF	OL408	N	037(035.7)	40.3	L			RNP1
030	TF	OL407	N	030(028.7)	22.9				RNP1
040	TF	OL439	N	030(028.7)	09.5	L			RNP1
050	TF	OL442	N	335(334.0)	09.7		+FL070		RNP1
060	TF	RATOS	N	330(328.9)	11.2		+2000 FT	230	RNP1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	BTA	01°54'09.0"N	009°48'32.0"E
2	BIPIV	03°10'37.0"N	006°47'06.0"E
3	ONKAR	01°16'04.0"N	011°31'56.0"E
4	PONOT	01°05'35.0"S	011°20'52.0"E
5	TAPIL	01°47'57.0"S	010°27'09.0"E
6	NEBEX	00°30'55.6"N	012°01'28.8"E
7	PILVI	01°50'54.0"S	010°21'12.0"E
8	BIGUN	00°38'43.8"N	009°19'18.8"E
9	ARASI	01°48'02.0"N	010°16'39.0"E
10	RATOS	00°36'05.4"N	009°13'55.7"E
11	PG	00°43'43.6"S	008°44'50.9"E
12	LILAT	00°41'22.2"N	009°24'41.9"E
13	OL424	01°51'45.7"N	007°56'46.8"E
14	OL423	00°50'30.9"N	008°57'11.0"E
15	OL437	00°40'49.2"N	009°15'23.1"E
16	OL411	00°48'36.4"N	009°19'18.3"E
17	OL418	01°11'05.1"N	011°04'00.9"E
18	OL417	01°00'06.8"N	010°27'33.7"E
19	OL426	02°28'09.2"N	007°21'33.8"E
20	OL416	00°50'00.8"N	009°53'58.1"E
21	OL429	00°47'18.8"S	010°50'17.2"E
22	OL428	00°21'20.8"S	010°18'04.6"E
23	OL427	00°01'00.1"S	009°52'53.1"E
24	OL441	00°20'37.5"N	009°34'08.1"E
25	OL438	00°29'22.1"N	009°29'40.6"E
26	OL414	01°13'39.3"N	009°49'36.8"E
27	OL413	01°03'50.0"N	009°41'50.1"E
28	OL432	01°10'38.6"S	010°12'41.3"E
29	OL431	00°07'15.4"S	009°44'49.5"E
30	OL422	00°25'31.8"N	011°33'33.9"E
31	OL421	00°23'10.0"N	010°35'54.8"E
32	OL419	00°21'52.2"N	010°04'16.3"E
33	OL442	00°26'25.9"N	009°19'43.1"E
34	OL408	00°10'52.5"S	009°08'19.4"E
35	OL407	00°09'20.2"N	009°19'19.8"E
36	OL439	00°17'39.9"N	009°23'58.5"E

TABULAR DESCRIPTION

STAR Indicator				STAR Identifier			VAR 2025 - 1.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
VORET 2R									
010	IF	VORET	N						RNP1
020	TF	OL407	N	045(044.0)	101.1	L			RNP1
030	TF	OL439	N	030(028.7)	09.5	L			RNP1
040	TF	OL442	N	335(334.0)	09.7		+FL070		RNP1
050	TF	RATOS	N	330(328.9)	11.2		+2000 FT	230	RNP1
XULED 2R									
010	IF	XULED	N						RNP1
020	TF	OL434	N	040(039.1)	86.3	R			RNP1
030	TF	OL433	N	055(054.1)	12.0		BFL040-FL090		RNP1
040	TF	RATOS	N	054(053.1)	12.0		+2000 FT	230	RNP1
ILDAN 2R									
010	IF	ILDAN	N						RNP1
020	TF	OL434	N	048(047.4)	84.3	R			RNP1
030	TF	OL433	N	055(054.1)	12.0		BFL040-FL090		RNP1
040	TF	RATOS	N	054(053.1)	12.0		+2000 FT	230	RNP1
AGSIM 2R									
010	IF	AGSIM	N						RNP1
020	TF	OL434	N	064(062.7)	65.4	L			RNP1
030	TF	OL433	N	055(054.1)	12.0		BFL040-FL090		RNP1
040	TF	RATOS	N	054(053.1)	12.0		+2000 FT	230	RNP1

STAR Indicator				STAR Identifier			VAR 2025 - 1.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
AGRUB 2R									
010	IF	AGRUB	N						RNP1
020	TF	OL436	N	080(078.6)	45.9	R			RNP1
030	TF	OL409	N	087(086.4)	16.1		BFL040-FL090		RNP1
040	TF	RATOS	N	090(089.0)	08.0		+2000 FT	230	RNP1
GULEP 2R									
010	IF	GULEP	N						RNP1
020	TF	OL436	N	118(116.7)	50.4	L			RNP1
030	TF	OL409	N	087(086.4)	16.1		BFL040-FL090		RNP1
040	TF	RATOS	N	090(089.0)	08.0		+2000 FT	230	RNP1
BOVGA 2B									
010	IF	BOVGA	N						RNP1
020	TF	OL423	N	117(115.7)	58.1	R	BFL040-FL100		RNP1
030	TF	OL437	N	119(117.9)	20.6				RNP1
040	TF	BIGUN	N	119(117.9)	04.5		+2000 FT	230	RNP1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	VORET	01°03'48.0"S	008°09'17.0"E
2	XULED	00°45'33.2"S	008°00'19.8"E
3	ILDAN	00°35'30.5"S	007°52'36.4"E
4	AGSIM	00°08'24.0"S	007°56'40.0"E
5	AGRUB	00°25'49.0"N	008°05'00.0"E
6	NEBEX	00°30'55.6"N	012°01'28.8"E
7	GULEP	00°57'44.0"N	008°05'00.0"E
8	BIGUN	00°38'43.8"N	009°19'18.8"E
9	BOVGA	01°15'58.0"N	008°05'00.0"E
10	RATOS	00°36'05.4"N	009°13'55.7"E
11	OL434	00°21'44.9"N	008°54'38.5"E
12	OL433	00°28'50.6"N	009°04'21.4"E
13	OL423	00°50'30.9"N	008°57'11.0"E
14	OL437	00°40'49.2"N	009°15'23.1"E
15	OL409	00°35'57.2"N	009°05'55.7"E
16	OL436	00°34'56.3"N	008°49'55.8"E
17	OL407	00°09'20.2"N	009°19'19.8"E
18	OL439	00°17'39.9"N	009°23'58.5"E
19	OL442	00°26'25.9"N	009°19'43.1"E

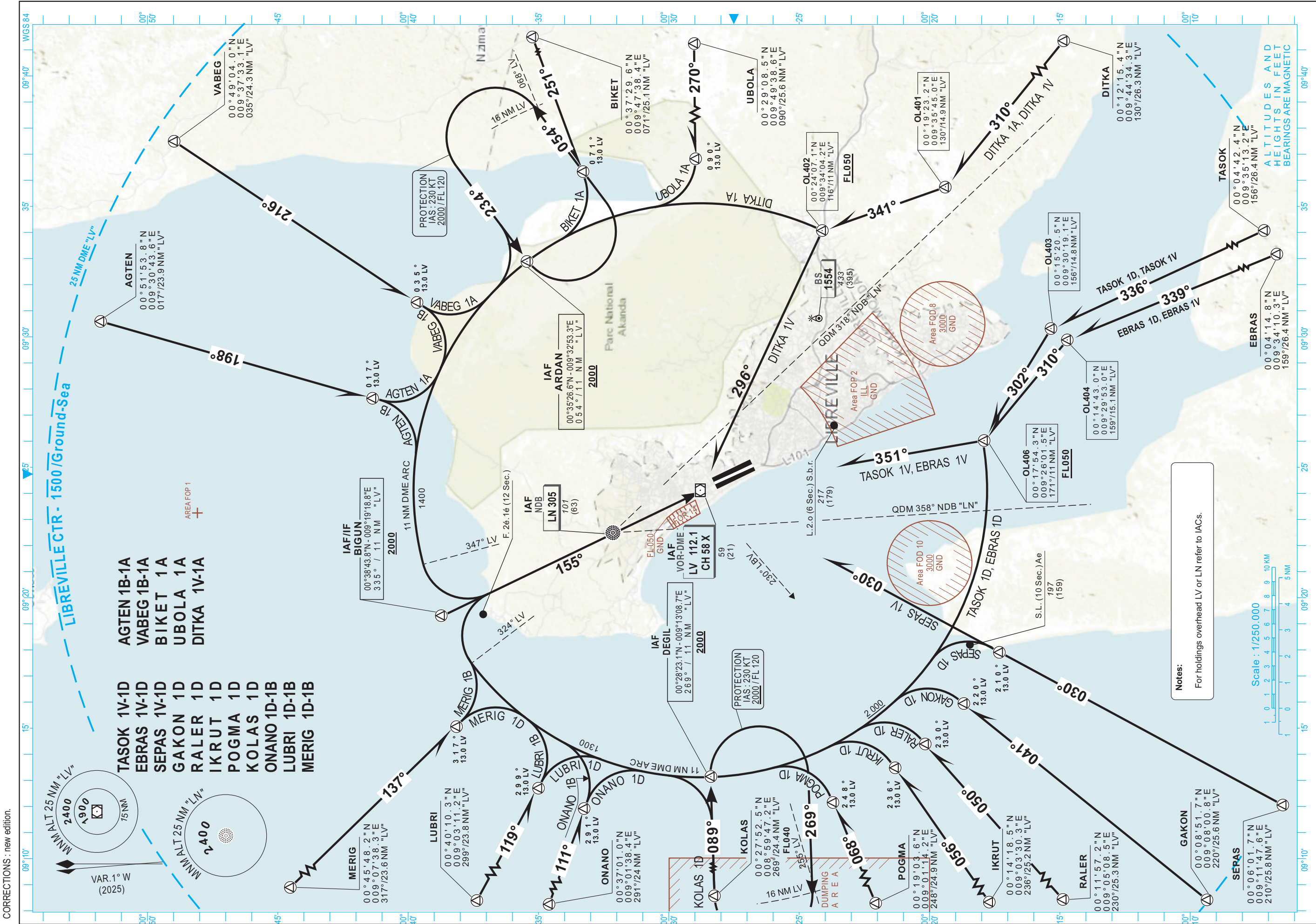


STANDARD ARRIVAL CHART—
INSTRUMENT (STAR) — ICAO

TRANSITION ALTITUDE
3 100

APP 126.5
TWR 118.7

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RWY 16



CORRECTIONS : new edition.