



BULLETIN DE MISE A JOUR

Updating bulletin

AMDT 12 / 2023

DATE DE MISE EN VIGUEUR / IMPLEMENTATION DATE 2023-11-30

CHANGEMENTS DANS CET AMENDEMENT		CHANGEMENTS DANS CET AMENDEMENT	
<i>Changes in this amendment</i>		<i>Changes in this amendment</i>	
Sections	<i>Sujets / Subjects</i>	Sections	<i>Sujets / Subjects</i>
GEN		AD 1	
07 GEN 2.5	GABON – Withdrawal of NDB "PG" & "FRN"	14 AD 1.3-31	AMDJARASS – Information update
13 GEN 2.5	SENEGAL – Withdrawal of NDB "SLO"	10 AD 1.3-31	KIDAL – Aeronautical information
ENR		AD 2	
03 ENR 1.8	DOUALA – Contingency plan update	13 AD 2.19	SENEGAL – Withdrawal of NDB SLO
07 ENR 1.8	LIBREVILLE – Revision of contingency plan	15 AD 2.10	LOME – Obstacle list update
14 ENR 1.8	NDJAMENA – Contingency plan update	AD 2.24	
00 ENR 3.1	R975 - Update description with 5LNC SAKLI	00 ENR 6.1	Update of radionavigation chart 00ENR6-ASECNA-ENRC-OCL & 00ENR6-ASECNA-ENRC-FML
00 ENR 3.3	Update description of UN741 & UN857	00 ENR 6.2	Update of radionavigation chart 00ENR6-ASECNA-ENRC-OCU & 00ENR6-ASECNA-ENRC-FMU
13 ENR 4.1	SENEGAL – Withdrawal of NDB "SLO"	09 AD2.24.FMMI	ANTANANARIVVO – Update of IAC, RNAV, STAR, SID & RNP charts
00 ENR 4.4	5LNC DEKTU, SAKLI	14 AD2.24.FTAA	AMDJARASS – new chart ADC, AOC, AOC-B, APDC
15 ENR 5.4	TOGO – En route Obstacle update		

NOTAM INTEGRÉS					
<i>NOTAM incorporated</i>					
BNI Dakar / NOF Dakar		BNI Brazzaville / NOF Brazzaville		BNI Antananarivo / NOF Antananarivo	
Numéro / Number	Numéro / Number	Numéro / Number	Numéro / Number	Numéro / Number	Numéro / Number
		A1191/23	A1171/23		
		A1192/23	A1172/23		
		B0181/23			

SUP AIP INTEGRÉS					
<i>AIP SUP incorporated</i>					
BNI Dakar / NOF Dakar		BNI Brazzaville / NOF Brazzaville		BNI Antananarivo / NOF Antananarivo	
Numéro / Number	Numéro / Number	Numéro / Number	Numéro / Number	Numéro / Number	Numéro / Number
97/A/21GO	70/A/23GO	72/A/23FC	85/A/23FC	29/A/23FM	31/A/23FM
68/A/23GO	73/A/23GO	75/A/23FC	86/A/23FC	30/A/23FM	34/A/23FM
		84/A/23FC	14/B/23FC		

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NON AIRAC MIA NR 11/2023

DATE DE MISE EN VIGUEUR / IMPLEMENTATION DATE 2023-11-30

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10-AD-1.3.32	30 NOV 2023	10 AD 1.3.32	02 NOV 2023
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PORT-GENTIL			
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FRANCEVILLE/M'VENGUE			
07-AD-2.FOON.9	30 NOV 2023	07 AD-2.FOON.9	08 OCT 2020
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SAINT LOUIS			
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AEROPORT INTERNATIONAL GNASSINGBE EYADEMA (AIGE)			
15-AD-2.DXXX.7	30 NOV 2023	15 AD-2.DXXX.7	15 AUG 2019
15-AD-2.DXXX.8	30 NOV 2023	15 AD-2.DXXX.8	15 AUG 2019
15-AD-2.DXXX.9	30 NOV 2023	15 AD-2.DXXX.9	13 AUG 2020
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AD-2.24			
ANTANANARIVO / IVATO			
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14AD2-FTAA-APDC	30 NOV 2023	NIL	

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GEN 0.2 ENREGISTREMENT DES AMENDEMENTS AIP
RECORD OF AIP AMENDMENT

AMENDMENT AIP AIP AMENDMENT				AMENDMENT AIRAC AIP AIP AIRAC AMENDMENT			
Numéro/Année NR/Year	Date de publication Publication date	Date d'insertion Date inserted	Inséré par Inserted by	Numéro/Année NR/Year	Date de publication Publication date	Date d'entrée en vigueur Effective date	Inséré par Inserted by
13/22	23 DEC 2022	29 DEC 2022					
02/23	20 FEB 2023	23 FEB 2023					
03/23	20 MAR 2023	23 MAR 2023					
04/23	17 APR 2023	20 APR 2023					
05/23	15 MAY 2023	18 MAY 2023					
06/23	12 JUN 2023	15 JUN 2023					
07/23	10 JUL 2023	13 JUL 2023					
08/23	07 AUG 2023	10 AUG 2023					
09/23	04 SEP 2023	07 SEP 2023					
10/23	02 OCT 2023	05 OCT 2023					
11/23	30 OCT 2023	02 NOV 2023					
12/23	27 NOV 2023	30 NOV 2023					



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GEN 0.4 LISTE DE CONTRÔLE MIA
CHECKLIST MIA

Part 1 Généralités (GEN) General (GEN)					
GEN 0					
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		02 GEN 1.7-2	08 NOV 2018	06 GEN 1.6-4	08 NOV 2018
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		03 GEN 1.1-2	23 APR 2020	06 GEN 1.6-6	08 NOV 2018
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		04 GEN 1.2-2	08 NOV 2018	06 GEN 1.7-9	25 FEB 2021
		04 GEN 1.3-1	08 NOV 2018	06 GEN 1.7-10	25 FEB 2021
		04 GEN 1.4-1	08 NOV 2018	06 GEN 1.7-11	25 FEB 2021
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		04 GEN 1.6-2	08 NOV 2018	06 GEN 1.7-13	25 FEB 2021
		04 GEN 1.6-3	08 NOV 2018	06 GEN 1.7-14	25 FEB 2021
		04 GEN 1.6-4	08 NOV 2018	06 GEN 1.7-15	25 FEB 2021
		04 GEN 1.6-5	08 NOV 2018	06 GEN 1.7-16	25 FEB 2021
		04 GEN 1.6-6	08 NOV 2018	06 GEN 1.7-17	25 FEB 2021
		04 GEN 1.7-1	25 FEB 2021	06 GEN 1.7-18	25 FEB 2021
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		12 GEN 4.3-2	23 FEB 2023	00 ENR 1.8-23	06 OCT 2022
		12 GEN 4.3-3	23 FEB 2023	00 ENR 1.8-24	06 OCT 2022
		12 GEN 4.3-4	08 NOV 2018	00 ENR 1.8-25	06 OCT 2022
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		13 GEN 4.3-3	27 JAN 2022	00 ENR 1.8-32	06 OCT 2022
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		15 GEN 4.3-1	23 FEB 2023	00 ENR 1.11-3	08 NOV 2018
		15 GEN 4.3-2	23 FEB 2023	00 ENR 1.12-1	08 NOV 2018
		15 GEN 4.3-3	08 NOV 2018	00 ENR 1.13-1	08 NOV 2018
		15 GEN 4.3-4	08 NOV 2018	00 ENR 1.13-2	08 NOV 2018
		16 GEN 4.3-1	23 FEB 2023	00 ENR 1.14.01	28 FEB 2019
		17 GEN 4.3-1	23 FEB 2023	00 ENR 1.14.02	28 FEB 2019
				00 ENR 1.14.03	28 FEB 2019
				00 ENR 1.14.04	28 FEB 2019



01 ENR 1.6-1	19 MAY 2022	06 ENR 1.8-6	25 FEB 2021	11 ENR 1.6-31	16 JUN 2022
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13 AD 1.3-1 05 OCT 2023
13AD1-GO-AD 28 FEB 2019
13 AD 1.3-31 11 AUG 2022
13 AD 1.3-32 30 DEC 2021
13 AD 1.3-33 10 AUG 2023
13 AD 1.3-34 10 AUG 2023
13 AD 1.3-35 05 OCT 2023
13 AD 1.5-1 20 APR 2023
14 AD 1.3-1 30 NOV 2023
14 AD 1.3-2 30 NOV 2023
14AD1-FT-AD 28 FEB 2019
14 AD 1.3-31 30 NOV 2023
14 AD 1.3-32 02 NOV 2023
14 AD 1.3-33 02 NOV 2023
14 AD 1.3-34 02 NOV 2023

14 AD 1.3-35 02 NOV 2023
14 AD 1.3-36 02 NOV 2023
15 AD 1.3-1 17 JUN 2021
15AD1-DX-AD 28 FEB 2019
15 AD 1.3-31 13 AUG 2020
15 AD 1.5-1 30 DEC 2021
16 AD 1.3-1 05 DEC 2019
16 AD 1.3-31 13 AUG 2020
17 AD 1.3-1 25 FEB 2021

AD 2

**AEROPORT INTERNATIONAL
CARDINAL BERNARDIN
GANTIN/CADJEHOUN**

01 AD-2.DBBB-1 30 DEC 2021
01 AD-2.DBBB-2 30 DEC 2021
01 AD-2.DBBB-3 21 APR 2022
01 AD-2.DBBB-4 18 MAY 2023
01 AD-2.DBBB-5 30 DEC 2021
01 AD-2.DBBB-6 30 DEC 2021
01 AD-2.DBBB-7 18 MAY 2023
01 AD-2.DBBB-8 05 OCT 2023
01 AD-2.DBBB-9 30 DEC 2021
01 AD-2.DBBB-10 30 DEC 2021
01 AD-2.DBBB-11 30 DEC 2021

PARAKOU

01 AD-2.DBBP-1 28 JAN 2021
01 AD-2.DBBP-2 23 APR 2020
01 AD-2.DBBP-3 23 APR 2020
01 AD-2.DBBP-4 23 APR 2020
01 AD-2.DBBP-5 23 APR 2020
01 AD-2.DBBP-6 23 APR 2020
01 AD-2.DBBP-7 23 APR 2020
01 AD-2.DBBP-8 28 JAN 2021

OUAGADOUGOU

02 AD-2.DFFD-1 25 FEB 2021
02 AD-2.DFFD-2 15 AUG 2019
02 AD-2.DFFD-3 22 APR 2021
02 AD-2.DFFD-4 28 JAN 2021
02 AD-2.DFFD-5 22 APR 2021
02 AD-2.DFFD-6 20 MAY 2021
02 AD-2.DFFD-7 20 MAY 2021
02 AD-2.DFFD-8 20 MAY 2021
02 AD-2.DFFD-9 20 MAY 2021
02 AD-2.DFFD-10 20 MAY 2021
02 AD-2.DFFD-11 20 MAY 2021
02 AD-2.DFFD-12 20 MAY 2021
02 AD-2.DFFD-13 20 MAY 2021
02 AD-2.DFFD-14 20 MAY 2021
02 AD-2.DFFD-15 17 JUN 2021
02 AD-2.DFFD-16 20 MAY 2021
02 AD-2.DFFD-17 20 MAY 2021
02 AD-2.DFFD-18 23 FEB 2023
02 AD-2.DFFD-19 30 DEC 2021
02 AD-2.DFFD-20 20 MAY 2021
02 AD-2.DFFD-21 20 MAY 2021
02 AD-2.DFFD-22 20 MAY 2021
02 AD-2.DFFD-23 20 MAY 2021

BOBO-DIOULASSO

02 AD-2.DFOO-1 10 AUG 2023
02 AD-2.DFOO-2 20 APR 2023
02 AD-2.DFOO-3 20 APR 2023
02 AD-2.DFOO-4 20 APR 2023
02 AD-2.DFOO-5 20 APR 2023
02 AD-2.DFOO-6 23 FEB 2023
02 AD-2.DFOO-7 25 MAR 2021
02 AD-2.DFOO-8 15 AUG 2019
02 AD-2.DFOO-9 20 APR 2023



02 AD-2.DFOO-10 13 AUG 2020
DOUALA
03 AD-2.FKKD-1 23 MAR 2023
03 AD-2.FKKD-2 23 MAR 2023
03 AD-2.FKKD-3 23 MAR 2023
03 AD-2.FKKD-4 24 FEB 2022
03 AD-2.FKKD-5 06 OCT 2022
03 AD-2.FKKD-6 14 JUL 2022
03 AD-2.FKKD-7 17 JUN 2021
03 AD-2.FKKD-8 14 JUL 2022
03 AD-2.FKKD-9 24 FEB 2022
03 AD-2.FKKD-10 14 JUL 2022
03 AD-2.FKKD-11 23 MAR 2023
03 AD-2.FKKD-12 24 FEB 2022
03 AD-2.FKKD-13 23 MAR 2023
03 AD-2.FKKD-14 20 APR 2023
03 AD-2.FKKD-15 20 APR 2023

BAFOUSSAM
03 AD-2.FKKU-1 07 OCT 2021
03 AD-2.FKKU-2 07 OCT 2021
03 AD-2.FKKU-3 30 DEC 2021
03 AD-2.FKKU-4 30 DEC 2021
03 AD-2.FKKU-5 04 NOV 2021
03 AD-2.FKKU-6 04 NOV 2021
03 AD-2.FKKU-7 07 OCT 2021
03 AD-2.FKKU-8 07 OCT 2021
03 AD-2.FKKU-9 30 DEC 2021
03 AD-2.FKKU-10 30 DEC 2021
03 AD-2.FKKU-11 30 DEC 2021
03 AD-2.FKKU-12 30 DEC 2021
03 AD-2.FKKU-13 30 DEC 2021
03AD-2.OPEN-EXTENSION-FKKU 30 DEC 2021

GAROUA
03 AD-2.FKKR-1 14 JUL 2022
03 AD-2.FKKR-2 19 MAY 2022
03 AD-2.FKKR-3 13 JUL 2023
03 AD-2.FKKR-4 29 DEC 2022
03 AD-2.FKKR-5 14 JUL 2022
03 AD-2.FKKR-6 21 MAY 2020
03 AD-2.FKKR-7 14 JUL 2022
03 AD-2.FKKR-8 14 JUL 2022
03 AD-2.FKKR-9 14 JUL 2022
03 AD-2.FKKR-10 03 NOV 2022
03 AD-2.FKKR-11 14 JUL 2022
03 AD-2.FKKR-12 14 JUL 2022
03AD-2.OPEN-EXTENSION-FORM 23 APR 2020

YAOUNDE / NSIMALEN
03 AD-2.FKYS-1 14 JUL 2022
03 AD-2.FKYS-2 14 JUL 2022
03 AD-2.FKYS-3 24 FEB 2022
03 AD-2.FKYS-4 06 OCT 2022
03 AD-2.FKYS-5 14 JUL 2022
03 AD-2.FKYS-6 04 NOV 2021
03 AD-2.FKYS-7 04 NOV 2021
03 AD-2.FKYS-8 11 AUG 2022
03 AD-2.FKYS-9 14 JUL 2022
03 AD-2.FKYS-10 14 JUL 2022
03 AD-2.FKYS-11 14 JUL 2022
03 AD-2.FKYS-12 30 DEC 2021
03 AD-2.FKYS-13 04 NOV 2021

BANGUI-M'POKO
04 AD-2.FEFF-1 25 FEB 2021
04 AD-2.FEFF-2 23 FEB 2023
04 AD-2.FEFF-3 27 FEB 2020
04 AD-2.FEFF-4 27 FEB 2020

04 AD-2.FEFF-5 27 FEB 2020
04 AD-2.FEFF-6 25 FEB 2021
04 AD-2.FEFF-7 27 FEB 2020
04 AD-2.FEFF-8 27 FEB 2020
04 AD-2.FEFF-9 27 FEB 2020
04 AD-2.FEFF-10 25 FEB 2021

BRAZZAVILLE / MAYA-MAYA

05 AD-2.FCBB-1 23 MAR 2023
05 AD-2.FCBB-2 23 MAR 2023
05 AD-2.FCBB-3 20 APR 2023
05 AD-2.FCBB-4 23 MAR 2023
05 AD-2.FCBB-5 18 MAY 2023
05 AD-2.FCBB-6 18 MAY 2023
05 AD-2.FCBB-7 15 JUN 2023
05 AD-2.FCBB-8 15 JUN 2023
05 AD-2.FCBB-9 15 JUN 2023
05 AD-2.FCBB-10 15 JUN 2023
05 AD-2.FCBB-11 15 JUN 2023
05 AD-2.FCBB-12 15 JUN 2023
05 AD-2.FCBB-13 15 JUN 2023
05 AD-2.FCBB-14 15 JUN 2023
05 AD-2.FCBB-15 15 JUN 2023
05 AD-2.FCBB-16 23 MAR 2023
05 AD-2.FCBB-17 23 MAR 2023
05 AD-2.FCBB-18 23 MAR 2023
05 AD-2.FCBB-19 23 MAR 2023
05 AD-2.FCBB-20 23 MAR 2023
05 AD-2.FCBB-21 23 MAR 2023
05 AD-2.FCBB-22 23 MAR 2023
05 AD-2.FCBB-23 18 MAY 2023
05 AD-2.FCBB-24 23 MAR 2023

POINTE NOIRE / ANTONIO AGOSTINHO NETO

05 AD-2.FCPP-1 13 JUL 2023
05 AD-2.FCPP-2 15 JUN 2023
05 AD-2.FCPP-3 15 JUN 2023
05 AD-2.FCPP-4 15 JUN 2023
05 AD-2.FCPP-5 15 JUN 2023
05 AD-2.FCPP-6 24 MAR 2022
05 AD-2.FCPP-7 15 JUN 2023
05 AD-2.FCPP-8 13 JUL 2023
05 AD-2.FCPP-9 23 APR 2020
05 AD-2.FCPP-10 24 MAR 2022
05 AD-2.FCPP-11 15 JUN 2023
05 AD-2.FCPP-12 10 AUG 2023

OLLOMBO / DENIS SASSOU N'GUESSO

05 AD-2.FCOD-1 15 JUN 2023
05 AD-2.FCOD-2 15 JUN 2023
05 AD-2.FCOD-3 15 JUN 2023
05 AD-2.FCOD-4 15 JUN 2023
05 AD-2.FCOD-5 15 JUN 2023
05 AD-2.FCOD-6 15 JUN 2023
05 AD-2.FCOD-7 15 JUN 2023
05 AD-2.FCOD-8 15 JUN 2023
05 AD-2.FCOD-9 15 JUN 2023
05 AD-2.FCOD-10 15 JUN 2023
05 AD-2.FCOD-11 15 JUN 2023
05 AD-2.FCOD-12 15 JUN 2023

AEROPORT INTERNATIONAL FELIX HOUPHOUET BOIGNY D'ABIDJAN

06 AD-2.DIAP-1 25 FEB 2021
06 AD-2.DIAP-2 22 APR 2021
06 AD-2.DIAP-3 19 MAY 2022
06 AD-2.DIAP-4 18 JUN 2020
06 AD-2.DIAP-5 24 MAR 2022
06 AD-2.DIAP-6 13 AUG 2020
06 AD-2.DIAP-7 18 JUN 2020

06 AD-2.DIAP-8 18 JUN 2020
06 AD-2.DIAP-9 18 JUN 2020
06 AD-2.DIAP-10 24 MAR 2022
06 AD-2.DIAP-11 22 APR 2021
06 AD-2.DIAP-12 13 AUG 2020
06 AD-2.DIAP-13 13 AUG 2020
06 AD-2.DIAP-14 03 NOV 2022
06 AD-2.DIAP-15 03 NOV 2022
06 AD-2.DIAP-16 13 AUG 2020
06 AD-2.DIAP-17 10 AUG 2023
06 AD-2.DIAP-18 13 AUG 2020

YAMOOUSSOUKRO

06 AD-2.DIYO-1 25 FEB 2021
06 AD-2.DIYO-2 15 AUG 2019
06 AD-2.DIYO-3 15 AUG 2019
06 AD-2.DIYO-4 15 AUG 2019
06 AD-2.DIYO-5 17 JUN 2021
06 AD-2.DIYO-6 13 AUG 2020
06 AD-2.DIYO-7 23 APR 2020
06 AD-2.DIYO-8 23 APR 2020
06 AD-2.DIYO-9 25 FEB 2021

BOUAKE

06 AD-2.DIBK-1 25 FEB 2021
06 AD-2.DIBK-2 25 FEB 2021
06 AD-2.DIBK-3 25 FEB 2021
06 AD-2.DIBK-4 25 FEB 2021
06 AD-2.DIBK-5 25 FEB 2021
06 AD-2.DIBK-6 25 FEB 2021
06 AD-2.DIBK-7 13 JUL 2023
06 AD-2.DIBK-8 25 FEB 2021
06 AD-2.DIBK-9 25 FEB 2021
06 AD-2.DIBK-10 13 JUL 2023

KORHOGO

06 AD-2.DIKO-1 25 FEB 2021
06 AD-2.DIKO-2 15 AUG 2019
06 AD-2.DIKO-3 15 AUG 2019
06 AD-2.DIKO-4 15 AUG 2019
06 AD-2.DIKO-5 23 APR 2020
06 AD-2.DIKO-6 13 AUG 2020
06 AD-2.DIKO-7 15 AUG 2019
06 AD-2.DIKO-8 08 OCT 2020
06 AD-2.DIKO-9 13 AUG 2020

MAN

06 AD-2.DIMN-1 25 FEB 2021
06 AD-2.DIMN-2 15 AUG 2019
06 AD-2.DIMN-3 15 AUG 2019
06 AD-2.DIMN-4 15 AUG 2019
06 AD-2.DIMN-5 23 APR 2020
06 AD-2.DIMN-6 13 AUG 2020
06 AD-2.DIMN-7 23 APR 2020
06 AD-2.DIMN-8 13 AUG 2020

ODIENNE

06 AD-2.DIOD-1 25 FEB 2021
06 AD-2.DIOD-2 15 AUG 2019
06 AD-2.DIOD-3 15 AUG 2019
06 AD-2.DIOD-4 15 AUG 2019
06 AD-2.DIOD-5 23 APR 2020
06 AD-2.DIOD-6 13 AUG 2020
06 AD-2.DIOD-7 15 AUG 2019
06 AD-2.DIOD-8 21 MAY 2020
06 AD-2.DIOD-9 13 AUG 2020

LIBREVILLE/LEON M'BA

07 AD-2.FOOL-1 14 JUL 2022
07 AD-2.FOOL-2 18 MAY 2023
07 AD-2.FOOL-3 23 MAR 2023
07 AD-2.FOOL-4 23 MAR 2023



07 AD-2.FOOL-5 24 FEB 2022
07 AD-2.FOOL-6 15 JUN 2023
07 AD-2.FOOL-7 15 JUN 2023
07 AD-2.FOOL-8 23 MAR 2023
07 AD-2.FOOL-9 12 AUG 2021
07 AD-2.FOOL-10 23 FEB 2023
07 AD-2.FOOL-11 23 MAR 2023
07 AD-2.FOOL-12 17 JUN 2021
07 AD-2.FOOL-13 17 JUN 2021
07 AD-2.FOOL-14 23 MAR 2023
07 AD-2.FOOL-15 17 JUN 2021

PORT-GENTIL

07 AD-2.FOOG-1 28 JAN 2021
07 AD-2.FOOG-2 24 FEB 2022
07 AD-2.FOOG-3 24 FEB 2022
07 AD-2.FOOG-4 28 JAN 2021
07 AD-2.FOOG-5 27 JAN 2022
07 AD-2.FOOG-6 23 FEB 2023
07 AD-2.FOOG-7 28 JAN 2021
07 AD-2.FOOG-8 28 JAN 2021
07 AD-2.FOOG-9 27 JAN 2022
07 AD-2.FOOG-10 30 NOV 2023
07 AD-2.FOOG-11 28 JAN 2021

FRANCEVILLE/M'VENGUE

07 AD-2.FOON-1 24 MAR 2022
07 AD-2.FOON-2 15 AUG 2019
07 AD-2.FOON-3 23 FEB 2023
07 AD-2.FOON-4 08 OCT 2020
07 AD-2.FOON-5 23 APR 2020
07 AD-2.FOON-6 08 OCT 2020
07 AD-2.FOON-7 23 APR 2020
07 AD-2.FOON-8 16 JUL 2020
07 AD-2.FOON-9 30 NOV 2023
07 AD-2.FOON-10 30 NOV 2023

MALABO

08 AD-2.FGSL-1 13 AUG 2020
08 AD-2.FGSL-2 25 FEB 2021
08 AD-2.FGSL-3 07 SEP 2023
08 AD-2.FGSL-4 20 APR 2023
08 AD-2.FGSL-5 10 SEP 2020
08 AD-2.FGSL-6 25 FEB 2021
08 AD-2.FGSL-7 25 FEB 2021
08 AD-2.FGSL-8 25 FEB 2021
08 AD-2.FGSL-9 25 FEB 2021
08 AD-2.FGSL-10 25 FEB 2021
08 AD-2.FGSL-11 25 FEB 2021
08 AD-2.FGSL-12 25 FEB 2021
08 AD-2.FGSL-13 25 FEB 2021
08 AD-2.FGSL-14 12 AUG 2021

BATA

08 AD-2.FGBT-1 19 MAY 2022
08 AD-2.FGBT-2 19 MAY 2022
08 AD-2.FGBT-3 19 MAY 2022
08 AD-2.FGBT-4 19 MAY 2022
08 AD-2.FGBT-5 19 MAY 2022
08 AD-2.FGBT-6 19 MAY 2022
08 AD-2.FGBT-7 19 MAY 2022
08 AD-2.FGBT-8 19 MAY 2022
08 AD-2.FGBT-9 19 MAY 2022
08 AD-2.FGBT-10 19 MAY 2022
08 AD-2.FGBT-11 16 JUN 2022
08 AD-2.FGBT-12 19 MAY 2022

MONGOMEYEN/GENERAL OBIANG

08 AD-2.FGMY-1 20 APR 2023
08 AD-2.FGMY-2 19 MAY 2022
08 AD-2.FGMY-3 19 MAY 2022
08 AD-2.FGMY-4 16 JUN 2022

08 AD-2.FGMY-5 25 FEB 2021
08 AD-2.FGMY-6 19 MAY 2022
08 AD-2.FGMY-7 20 APR 2023
08 AD-2.FGMY-8 19 MAY 2022
08 AD-2.FGMY-9 19 MAY 2022
08 AD-2.FGMY-10 19 MAY 2022
08 AD-2.FGMY-11 19 MAY 2022

ANTSIRABE

09 AD-2.FMME-1 12 AUG 2021
09 AD-2.FMME-2 27 FEB 2020
09 AD-2.FMME-3 15 AUG 2019
09 AD-2.FMME-4 05 DEC 2019
09 AD-2.FMME-5 05 NOV 2020
09 AD-2.FMME-6 05 DEC 2019
09 AD-2.FMME-7 05 DEC 2019
09 AD-2.FMME-8 05 DEC 2019

ANTANANARIVO / IVATO

09 AD-2.FMMI-1 20 APR 2023
09 AD-2.FMMI-2 20 APR 2023
09 AD-2.FMMI-3 05 OCT 2023
09 AD-2.FMMI-4 21 APR 2022
09 AD-2.FMMI-5 21 APR 2022
09 AD-2.FMMI-6 21 APR 2022
09 AD-2.FMMI-7 07 OCT 2021
09 AD-2.FMMI-8 15 AUG 2019
09 AD-2.FMMI-9 15 AUG 2019
09 AD-2.FMMI-10 21 APR 2022
09 AD-2.FMMI-11 28 JAN 2021
09 AD-2.FMMI-12 07 OCT 2021
09 AD-2.FMMI-13 05 DEC 2019
09 AD-2.FMMI-14 16 JUN 2022
09 AD-2.FMMI-15 20 APR 2023
09 AD-2.FMMI-16 21 APR 2022
09 AD-2.FMMI-17 20 APR 2023
09 AD-2.FMMI-18 23 APR 2020
09 AD-2.FMMI-19 20 APR 2023
09 AD-2.FMMI-20 05 NOV 2020

**MAHAJANGA / PHILIBERT
TSIRANANA**

09 AD-2.FMNM-1 24 MAR 2022
09 AD-2.FMNM-2 25 MAR 2021
09 AD-2.FMNM-3 17 JUN 2021
09 AD-2.FMNM-4 23 APR 2020
09 AD-2.FMNM-5 05 NOV 2020
09 AD-2.FMNM-6 01 DEC 2022
09 AD-2.FMNM-7 01 DEC 2022
09 AD-2.FMNM-8 01 DEC 2022
09 AD-2.FMNM-9 01 DEC 2022
09 AD-2.FMNM-10 01 DEC 2022
09 AD-2.FMNM-11 01 DEC 2022
09 AD-2.FMNM-12 01 DEC 2022
09 AD-2.FMNM-13 01 DEC 2022

TOAMASINA/AMBALAMANASY

09 AD-2.FMNT-1 03 NOV 2022
09 AD-2.FMNT-2 24 MAR 2022
09 AD-2.FMNT-3 14 JUL 2022
09 AD-2.FMNT-4 11 AUG 2022
09 AD-2.FMNT-5 24 MAR 2022
09 AD-2.FMNT-6 24 MAR 2022
09 AD-2.FMNT-7 24 MAR 2022
09 AD-2.FMNT-8 24 MAR 2022
09 AD-2.FMNT-9 19 MAY 2022
09 AD-2.FMNT-10 11 AUG 2022
09 AD-2.FMNT-11 11 AUG 2022
09 AD-2.FMNT-12 11 AUG 2022
09 AD-2.FMNT-13 03 NOV 2022
09 AD-2.FMNT-14 11 AUG 2022

NOSY-BE / FASCENE

09 AD-2.FMNN-1 15 JUN 2023
09 AD-2.FMNN-2 15 JUN 2023
09 AD-2.FMNN-3 15 JUN 2023
09 AD-2.FMNN-4 21 MAY 2020
09 AD-2.FMNN-5 21 APR 2022
09 AD-2.FMNN-6 19 MAY 2022
09 AD-2.FMNN-7 21 APR 2022
09 AD-2.FMNN-8 21 APR 2022
09 AD-2.FMNN-9 21 APR 2022
09 AD-2.FMNN-10 15 JUN 2023
09 AD-2.FMNN-11 15 JUN 2023
09 AD-2.FMNN-12 15 JUN 2023

TOLAGNARO / MARILLAC

09 AD-2.FMSD-1 24 MAR 2022
09 AD-2.FMSD-2 21 APR 2022
09 AD-2.FMSD-3 21 MAY 2020
09 AD-2.FMSD-4 05 NOV 2020
09 AD-2.FMSD-5 04 NOV 2021
09 AD-2.FMSD-6 23 APR 2020
09 AD-2.FMSD-7 21 MAY 2020
09 AD-2.FMSD-8 24 MAR 2022
09 AD-2.FMSD-9 21 MAY 2020
09 AD-2.FMSD-10 28 JAN 2021
09 AD-2.FMSD-11 28 JAN 2021
09 AD-2.FMSD-12 28 JAN 2021

ANTSIRANANA / ARRACHART

09 AD-2.FMNA-1 05 NOV 2020
09 AD-2.FMNA-2 23 APR 2020
09 AD-2.FMNA-3 21 APR 2022
09 AD-2.FMNA-4 05 NOV 2020
09 AD-2.FMNA-5 23 APR 2020
09 AD-2.FMNA-6 29 DEC 2022
09 AD-2.FMNA-7 05 NOV 2020
09 AD-2.FMNA-8 05 NOV 2020
09 AD-2.FMNA-9 23 FEB 2023

SAINTE-MARIE

09 AD-2.FMMS-1 10 AUG 2023
09 AD-2.FMMS-2 05 NOV 2020
09 AD-2.FMMS-3 05 NOV 2020
09 AD-2.FMMS-4 13 JUL 2023
09 AD-2.FMMS-5 13 JUL 2023
09 AD-2.FMMS-6 13 JUL 2023
09 AD-2.FMMS-7 13 JUL 2023
09 AD-2.FMMS-8 13 JUL 2023
09 AD-2.FMMS-9 10 AUG 2023
09 AD-2.FMMS-10 13 JUL 2023

MORONDAVA

09 AD-2.FMMV-1 05 NOV 2020
09 AD-2.FMMV-2 05 NOV 2020
09 AD-2.FMMV-3 05 NOV 2020
09 AD-2.FMMV-4 24 MAR 2022
09 AD-2.FMMV-5 05 NOV 2020
09 AD-2.FMMV-6 05 NOV 2020
09 AD-2.FMMV-7 05 NOV 2020
09 AD-2.FMMV-8 24 MAR 2022
09 AD-2.FMMV-9 05 NOV 2020

SAMBAVA / SUD

09 AD-2.FMNS-1 05 NOV 2020
09 AD-2.FMNS-2 05 NOV 2020
09 AD-2.FMNS-3 05 NOV 2020
09 AD-2.FMNS-4 24 MAR 2022
09 AD-2.FMNS-5 05 NOV 2020
09 AD-2.FMNS-6 21 APR 2022
09 AD-2.FMNS-7 05 NOV 2020
09 AD-2.FMNS-8 05 NOV 2020



09 AD-2.FMNS-9 05 NOV 2020
FIANARANTSOA
09 AD-2.FMSF-1 05 NOV 2020
09 AD-2.FMSF-2 05 NOV 2020
09 AD-2.FMSF-3 05 NOV 2020
09 AD-2.FMSF-4 05 NOV 2020
09 AD-2.FMSF-5 05 NOV 2020
09 AD-2.FMSF-6 05 NOV 2020
09 AD-2.FMSF-7 05 NOV 2020
09 AD-2.FMSF-8 01 DEC 2022
09 AD-2.FMSF-9 05 NOV 2020

MANANJARY
09 AD-2.FMSM-1 24 FEB 2022
09 AD-2.FMSM-2 05 NOV 2020
09 AD-2.FMSM-3 24 FEB 2022
09 AD-2.FMSM-4 05 NOV 2020
09 AD-2.FMSM-5 05 NOV 2020
09 AD-2.FMSM-6 05 NOV 2020
09 AD-2.FMSM-7 24 FEB 2022
09 AD-2.FMSM-8 05 NOV 2020
09 AD-2.FMSM-9 05 NOV 2020

TOLIARY
09 AD-2.FMST-1 20 APR 2023
09 AD-2.FMST-2 24 FEB 2022
09 AD-2.FMST-3 05 NOV 2020
09 AD-2.FMST-4 05 NOV 2020
09 AD-2.FMST-5 05 NOV 2020
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09 AD-2.FMST-7 05 NOV 2020
09 AD-2.FMST-8 05 NOV 2020
09 AD-2.FMST-9 05 NOV 2020
09 AD-2.FMST-10 28 JAN 2021

**AEROPORT INTERNATIONAL
PRESIDENT MODIBO KEITA - SENOU**
10 AD-2.GABS-1 07 SEP 2023
10 AD-2.GABS-2 07 SEP 2023
10 AD-2.GABS-3 20 APR 2023
10 AD-2.GABS-4 10 AUG 2023
10 AD-2.GABS-5 10 AUG 2023
10 AD-2.GABS-6 21 MAY 2020
10 AD-2.GABS-7 07 SEP 2023
10 AD-2.GABS-8 25 MAR 2021
10 AD-2.GABS-9 21 MAY 2020
10 AD-2.GABS-10 07 SEP 2023
10 AD-2.GABS-11 23 APR 2020
10 AD-2.GABS-12 23 APR 2020
10 AD-2.GABS-13 25 MAR 2021
10 AD-2.GABS-14 23 APR 2020

GAO / KOROGOUSSOU
10 AD-2.GAGO-1 08 OCT 2020
10 AD-2.GAGO-2 15 AUG 2019
10 AD-2.GAGO-3 15 AUG 2019
10 AD-2.GAGO-4 17 JUN 2021
10 AD-2.GAGO-5 16 JUN 2022
10 AD-2.GAGO-6 07 OCT 2021
10 AD-2.GAGO-7 29 DEC 2022
10 AD-2.GAGO-8 17 JUN 2021
10 AD-2.GAGO-9 16 JUN 2022

KAYES / DAG-DAG
10 AD-2.GAKD-1 08 OCT 2020
10 AD-2.GAKD-2 21 MAY 2020
10 AD-2.GAKD-3 27 FEB 2020
10 AD-2.GAKD-4 15 AUG 2019
10 AD-2.GAKD-5 15 AUG 2019
10 AD-2.GAKD-6 25 FEB 2021
10 AD-2.GAKD-7 23 FEB 2023

10 AD-2.GAKD-8 05 DEC 2019
10 AD-2.GAKD-9 23 APR 2020
10 AD-2.GAKD-10 08 OCT 2020

MOPTI / AMBODEDJO
10 AD-2.GAMB-1 18 JUN 2020
10 AD-2.GAMB-2 20 APR 2023
10 AD-2.GAMB-3 15 AUG 2019
10 AD-2.GAMB-4 15 AUG 2019
10 AD-2.GAMB-5 25 FEB 2021
10 AD-2.GAMB-6 25 MAR 2021
10 AD-2.GAMB-7 29 DEC 2022
10 AD-2.GAMB-8 23 APR 2020
10 AD-2.GAMB-9 10 SEP 2020

SIKASSO / DIGNANGAN
10 AD-2.GASO-1 08 OCT 2020
10 AD-2.GASO-2 23 FEB 2023
10 AD-2.GASO-3 21 MAY 2020
10 AD-2.GASO-4 21 MAY 2020
10 AD-2.GASO-5 15 AUG 2019
10 AD-2.GASO-6 25 FEB 2021
10 AD-2.GASO-7 25 FEB 2021
10 AD-2.GASO-8 21 MAY 2020
10 AD-2.GASO-9 16 JUN 2022
10 AD-2.GASO-10 16 JUN 2022

TOMBOUCTOU
10 AD-2.GATB-1 25 FEB 2021
10 AD-2.GATB-2 15 AUG 2019
10 AD-2.GATB-3 15 AUG 2019
10 AD-2.GATB-4 15 AUG 2019
10 AD-2.GATB-5 23 APR 2020
10 AD-2.GATB-6 15 AUG 2019
10 AD-2.GATB-7 15 AUG 2019
10 AD-2.GATB-8 23 APR 2020
10 AD-2.GATB-9 23 APR 2020

NOUAKCHOTT - OUMTOUNSY
11 AD-2.GQNO-1 17 JUN 2021
11 AD-2.GQNO-2 27 FEB 2020
11 AD-2.GQNO-3 27 FEB 2020
11 AD-2.GQNO-4 27 FEB 2020
11 AD-2.GQNO-5 27 FEB 2020
11 AD-2.GQNO-6 23 APR 2020
11 AD-2.GQNO-7 27 FEB 2020
11 AD-2.GQNO-8 27 FEB 2020
11 AD-2.GQNO-9 27 FEB 2020
11 AD-2.GQNO-10 27 FEB 2020
11 AD-2.GQNO-11 27 FEB 2020
11 AD-2.GQNO-12 27 FEB 2020
11 AD-2.GQNO-13 27 FEB 2020
11 AD-2.GQNO-14 27 FEB 2020
11 AD-2.GQNO-15 25 FEB 2021

NOUADHIBOU
11 AD-2.GQPP-1 08 OCT 2020
11 AD-2.GQPP-2 05 DEC 2019
11 AD-2.GQPP-3 15 AUG 2019
11 AD-2.GQPP-4 15 AUG 2019
11 AD-2.GQPP-5 15 AUG 2019
11 AD-2.GQPP-6 15 AUG 2019
11 AD-2.GQPP-7 05 DEC 2019
11 AD-2.GQPP-8 15 AUG 2019
11 AD-2.GQPP-9 15 AUG 2019
11 AD-2.GQPP-10 05 DEC 2019
11 AD-2.GQPP-11 08 OCT 2020
11 AD-2.GQPP-12 05 DEC 2019

ATAR
11 AD-2.GQPA-1 07 SEP 2023
11 AD-2.GQPA-2 07 SEP 2023

11 AD-2.GQPA-3 07 SEP 2023
11 AD-2.GQPA-4 07 SEP 2023
11 AD-2.GQPA-5 07 SEP 2023
11 AD-2.GQPA-6 07 SEP 2023
11 AD-2.GQPA-7 07 SEP 2023
11 AD-2.GQPA-8 07 SEP 2023
11 AD-2.GQPA-9 07 SEP 2023
11 AD-2.GQPA-10 07 SEP 2023

NEMA
11 AD-2.GQNI-1 07 SEP 2023
11 AD-2.GQNI-2 07 SEP 2023
11 AD-2.GQNI-3 07 SEP 2023
11 AD-2.GQNI-4 07 SEP 2023
11 AD-2.GQNI-5 07 SEP 2023
11 AD-2.GQNI-6 07 SEP 2023
11 AD-2.GQNI-7 07 SEP 2023
11 AD-2.GQNI-8 07 SEP 2023
11 AD-2.GQNI-9 07 SEP 2023

ZOUERATE / TAZADIT
11 AD-2.GQPZ-1 07 SEP 2023
11 AD-2.GQPZ-2 07 SEP 2023
11 AD-2.GQPZ-3 07 SEP 2023
11 AD-2.GQPZ-4 07 SEP 2023
11 AD-2.GQPZ-5 07 SEP 2023
11 AD-2.GQPZ-6 07 SEP 2023
11 AD-2.GQPZ-7 07 SEP 2023
11 AD-2.GQPZ-8 07 SEP 2023
11 AD-2.GQPZ-9 07 SEP 2023

NIAMEY / DIORI HAMANI
12 AD-2.DRRN-1 13 AUG 2020
12 AD-2.DRRN-2 13 AUG 2020
12 AD-2.DRRN-3 04 NOV 2021
12 AD-2.DRRN-4 30 DEC 2021
12 AD-2.DRRN-5 30 DEC 2021
12 AD-2.DRRN-6 04 NOV 2021
12 AD-2.DRRN-7 13 AUG 2020
12 AD-2.DRRN-8 30 DEC 2021
12 AD-2.DRRN-9 30 DEC 2021
12 AD-2.DRRN-10 30 DEC 2021
12 AD-2.DRRN-11 30 DEC 2021
12 AD-2.DRRN-12 19 MAY 2022
12 AD-2.DRRN-13 30 DEC 2021
12 AD-2.DRRN-14 30 DEC 2021

AGADECZ / MANO DAYAK
12 AD-2.DRZA-1 25 FEB 2021
12 AD-2.DRZA-2 25 FEB 2021
12 AD-2.DRZA-3 25 FEB 2021
12 AD-2.DRZA-4 15 AUG 2019
12 AD-2.DRZA-5 25 FEB 2021
12 AD-2.DRZA-6 25 FEB 2021
12 AD-2.DRZA-7 25 FEB 2021
12 AD-2.DRZA-8 25 FEB 2021
12 AD-2.DRZA-9 25 FEB 2021
12 AD-2.DRZA-10 25 FEB 2021
12 AD-2.DRZA-11 25 FEB 2021

ZINDER
12 AD-2.DRZR-1 28 JAN 2021
12 AD-2.DRZR-2 13 AUG 2020
12 AD-2.DRZR-3 13 AUG 2020
12 AD-2.DRZR-4 13 AUG 2020
12 AD-2.DRZR-5 24 MAR 2022
12 AD-2.DRZR-6 30 DEC 2021
12 AD-2.DRZR-7 13 AUG 2020
12 AD-2.DRZR-8 21 APR 2022
12 AD-2.DRZR-9 24 MAR 2022
12 AD-2.DRZR-10 08 OCT 2020



MARADI

12 AD-2.DRRM-1	13 AUG 2020
12 AD-2.DRRM-2	13 AUG 2020
12 AD-2.DRRM-3	13 AUG 2020
12 AD-2.DRRM-4	13 AUG 2020
12 AD-2.DRRM-5	05 OCT 2023
12 AD-2.DRRM-6	05 OCT 2023
12 AD-2.DRRM-7	05 OCT 2023
12 AD-2.DRRM-8	05 OCT 2023
12 AD-2.DRRM-9	13 AUG 2020
12 AD-2.DRRM-10	13 AUG 2020
12 AD-2.DRRM-11	08 OCT 2020
12 AD-2.DRRM-12	05 OCT 2023
12 AD-2.DRRM-13	23 APR 2020

TAHOUA

12 AD-2.DRRT-1	13 AUG 2020
12 AD-2.DRRT-2	04 NOV 2021
12 AD-2.DRRT-3	13 AUG 2020
12 AD-2.DRRT-4	15 AUG 2019
12 AD-2.DRRT-5	13 AUG 2020
12 AD-2.DRRT-6	13 AUG 2020
12 AD-2.DRRT-7	13 AUG 2020
12 AD-2.DRRT-8	13 AUG 2020
12 AD-2.DRRT-9	13 AUG 2020
12 AD-2.DRRT-10	05 OCT 2023
12 AD-2.DRRT-11	23 APR 2020

**AEROPORT INTL BLAISE DIAGNE -
DAKAR - DIASS**

13 AD-2.GOBD-1	25 FEB 2021
13 AD-2.GOBD-2	23 APR 2020
13 AD-2.GOBD-3	22 APR 2021
13 AD-2.GOBD-4	25 FEB 2021
13 AD-2.GOBD-5	19 MAY 2022
13 AD-2.GOBD-6	19 MAY 2022
13 AD-2.GOBD-7	03 NOV 2022
13 AD-2.GOBD-8	15 AUG 2019
13 AD-2.GOBD-9	15 AUG 2019
13 AD-2.GOBD-10	15 AUG 2019
13 AD-2.GOBD-11	17 JUN 2021
13 AD-2.GOBD-12	22 APR 2021
13 AD-2.GOBD-13	22 APR 2021
13 AD-2.GOBD-14	19 MAY 2022
13 AD-2.GOBD-15	21 MAY 2020
13 AD-2.GOBD-16	03 NOV 2022
13 AD-2.GOBD-17	03 NOV 2022

DAKAR/LEOPOLD SEDAR SENHOR

13 AD-2.GOOY-1	25 MAR 2021
13 AD-2.GOOY-2	25 MAR 2021
13 AD-2.GOOY-3	25 MAR 2021
13 AD-2.GOOY-4	25 MAR 2021
13 AD-2.GOOY-5	25 MAR 2021
13 AD-2.GOOY-6	17 JUN 2021
13 AD-2.GOOY-7	25 MAR 2021
13 AD-2.GOOY-8	25 MAR 2021
13 AD-2.GOOY-9	25 MAR 2021
13 AD-2.GOOY-10	17 JUN 2021
13 AD-2.GOOY-11	17 JUN 2021

**AEROPORT INTERNATIONAL DE CAP
SKIRRING**

13 AD-2.GOGS-1	06 OCT 2022
13 AD-2.GOGS-2	23 APR 2020
13 AD-2.GOGS-3	06 OCT 2022
13 AD-2.GOGS-4	15 JUL 2021
13 AD-2.GOGS-5	23 APR 2020
13 AD-2.GOGS-6	18 MAY 2023
13 AD-2.GOGS-7	19 MAY 2022
13 AD-2.GOGS-8	22 APR 2021

13 AD-2.GOGS-9 22 APR 2021

SAINT LOUIS

13 AD-2.GOSS-1	07 SEP 2023
13 AD-2.GOSS-2	07 SEP 2023
13 AD-2.GOSS-3	07 SEP 2023
13 AD-2.GOSS-4	07 SEP 2023
13 AD-2.GOSS-5	07 SEP 2023
13 AD-2.GOSS-6	07 SEP 2023
13 AD-2.GOSS-7	07 SEP 2023
13 AD-2.GOSS-8	07 SEP 2023
13 AD-2.GOSS-9	07 SEP 2023
13 AD-2.GOSS-10	07 SEP 2023
13 AD-2.GOSS-11	07 SEP 2023
13 AD-2.GOSS-12	30 NOV 2023

N'DJAMENA / HASSAN DJAMOUS

14 AD-2.FTTJ-1	28 JAN 2021
14 AD-2.FTTJ-2	15 AUG 2019
14 AD-2.FTTJ-3	20 APR 2023
14 AD-2.FTTJ-4	15 AUG 2019
14 AD-2.FTTJ-5	15 AUG 2019
14 AD-2.FTTJ-6	17 JUN 2021
14 AD-2.FTTJ-7	25 FEB 2021
14 AD-2.FTTJ-8	18 MAY 2023
14 AD-2.FTTJ-9	20 APR 2023
14 AD-2.FTTJ-10	27 FEB 2020
14 AD-2.FTTJ-11	20 APR 2023

SARH

14 AD-2.FTTA-1	18 MAY 2023
14 AD-2.FTTA-2	18 MAY 2023
14 AD-2.FTTA-3	27 FEB 2020
14 AD-2.FTTA-4	27 FEB 2020
14 AD-2.FTTA-5	28 JAN 2021
14 AD-2.FTTA-6	18 MAY 2023
14 AD-2.FTTA-7	27 FEB 2020
14 AD-2.FTTA-8	27 FEB 2020

ABECHE

14 AD-2.FTTC-1	28 JAN 2021
14 AD-2.FTTC-2	15 AUG 2019
14 AD-2.FTTC-3	15 AUG 2019
14 AD-2.FTTC-4	15 AUG 2019
14 AD-2.FTTC-5	23 APR 2020
14 AD-2.FTTC-6	28 JAN 2021
14 AD-2.FTTC-7	15 AUG 2019
14 AD-2.FTTC-8	15 AUG 2019
14 AD-2.FTTC-9	28 JAN 2021

**AEROPORT INTERNATIONAL
GNASSINGBE EYADEMA (AIGE)**

15 AD-2.DXXX-1	30 DEC 2021
15 AD-2.DXXX-2	15 AUG 2019
15 AD-2.DXXX-3	28 JAN 2021
15 AD-2.DXXX-4	20 APR 2023
15 AD-2.DXXX-5	27 JAN 2022
15 AD-2.DXXX-6	27 JAN 2022
15 AD-2.DXXX-7	30 NOV 2023
15 AD-2.DXXX-8	30 NOV 2023
15 AD-2.DXXX-9	30 NOV 2023
15 AD-2.DXXX-10	30 NOV 2023
15 AD-2.DXXX-11	30 NOV 2023
15 AD-2.DXXX-12	30 NOV 2023
15 AD-2.DXXX-13	30 NOV 2023
15 AD-2.DXXX-14	30 NOV 2023
15 AD-2.DXXX-15	30 NOV 2023
15 AD-2.DXXX-16	30 NOV 2023
15 AD-2.DXXX-17	30 NOV 2023
15 AD-2.DXXX-18	30 NOV 2023
15 AD-2.DXXX-19	30 NOV 2023
15 AD-2.DXXX-20	30 NOV 2023

15 AD-2.DXXX-21	30 NOV 2023
15 AD-2.DXXX-22	30 NOV 2023
15 AD-2.DXXX-23	30 NOV 2023
15 AD-2.DXXX-24	30 NOV 2023
15 AD-2.DXXX-25	30 NOV 2023
15 AD-2.DXXX-26	30 NOV 2023
15 AD-2.DXXX-27	30 NOV 2023
15 AD-2.DXXX-28	30 NOV 2023
15 AD-2.DXXX-29	30 NOV 2023

**AEROPORT INTERNATIONAL DE
NIAMTOUGOU (AIN)**

15 AD-2.DXNG-1	13 AUG 2020
15 AD-2.DXNG-2	15 AUG 2019
15 AD-2.DXNG-3	15 AUG 2019
15 AD-2.DXNG-4	15 AUG 2019
15 AD-2.DXNG-5	15 AUG 2019
15 AD-2.DXNG-6	25 FEB 2021
15 AD-2.DXNG-7	15 AUG 2019
15 AD-2.DXNG-8	15 AUG 2019
15 AD-2.DXNG-9	05 DEC 2019
15 AD-2.DXNG-10	13 AUG 2020
15 AD-2.DXNG-11	05 DEC 2019

MORONI/PRINCE SAID IBRAHIM

16 AD-2.FMCH-1	14 JUL 2022
16 AD-2.FMCH-2	23 FEB 2023
16 AD-2.FMCH-3	27 JAN 2022
16 AD-2.FMCH-4	13 AUG 2020
16 AD-2.FMCH-5	23 APR 2020
16 AD-2.FMCH-6	13 AUG 2020
16 AD-2.FMCH-7	15 JUL 2021
16 AD-2.FMCH-8	27 FEB 2020
16 AD-2.FMCH-9	27 FEB 2020
16 AD-2.FMCH-10	13 AUG 2020

BISSAU / OSVALDO VIEIRA

17 AD-2.GGOV-1	25 FEB 2021
17 AD-2.GGOV-2	18 JUN 2020
17 AD-2.GGOV-3	18 JUN 2020
17 AD-2.GGOV-4	15 AUG 2019
17 AD-2.GGOV-5	23 MAR 2023
17 AD-2.GGOV-6	18 JUN 2020
17 AD-2.GGOV-7	15 AUG 2019
17 AD-2.GGOV-8	05 DEC 2019
17 AD-2.GGOV-9	15 AUG 2019
17 AD-2.GGOV-10	16 JUL 2020

AD 3

00 AD 3.1-1 08 NOV 2018

[Part 3.2](#) Cartes relatives aux
aérodromes (AD 2.24)
Charts related to aerodromes (AD 2.24)

01**AEROPORT INTERNATIONAL
CARDINAL BERNARDIN
GANTIN/CADJEHOUN**

01AD2-DBBB-ADC	24 FEB 2022
01AD2-DBBB-APDC	24 FEB 2022
01AD2-DBBB-AOC	24 FEB 2022
01AD2-DBBB-ARC	05 DEC 2019
01AD2-DBBB-STAR-RNAV06	15 JUL 2021
01AD2-DBBB-STAR-RNAV06-DATA	15 JUL 2021
01AD2-DBBB-STAR-RNAV24	15 JUL 2021
01AD2-DBBB-STAR-RNAV24-DATA	15 JUL 2021
01AD2-DBBB-STAR-VORDME06	15 JUL 2021



01AD2-DBBB-STAR-VORDME24 15 JUL 2021
01AD2-DBBB-RMAC 05 DEC 2019
01AD2-DBBB-IAC-RNP06 15 JUL 2021
01AD2-DBBB-IAC-RNP06-DATA 15 JUL 2021
01AD2-DBBB-IAC-RNP24 15 JUL 2021
01AD2-DBBB-IAC-RNP24-DATA 15 JUL 2021
01AD2-DBBB-IAC-ILSY24 15 JUL 2021
01AD2-DBBB-IAC-ILSY24-DATA 15 JUL 2021
01AD2-DBBB-IAC-ILSZ24 15 JUL 2021
01AD2-DBBB-IAC-VOR06 15 JUL 2021
01AD2-DBBB-IAC-VOR24 15 JUL 2021
01AD2-DBBB-VAC 24 FEB 2022
01AD2-DBBB-VLC 24 FEB 2022
01AD2-DBBB-ILC 24 FEB 2022

PARAKOU

01AD2-DBBP-VAC 08 NOV 2018
01AD2-DBBP-VLC 08 NOV 2018

02

BOBO-DIOULASSO

02AD2-DFOO-ADC 27 JAN 2022
02AD2-DFOO-AOC 27 JAN 2022
02AD2-DFOO-STAR-RNAV06 08 NOV 2018
02AD2-DFOO-STAR-RNAV24 08 NOV 2018
02AD2-DFOO-STAR-VORDME0624 08 NOV 2018
02AD2-DFOO-IAC-RNAV06 08 NOV 2018
02AD2-DFOO-IAC-RNAV24 08 NOV 2018
02AD2-DFOO-IAC-ILSX06 08 NOV 2018
02AD2-DFOO-IAC-ILSY06 08 NOV 2018
02AD2-DFOO-IAC-ILSZ06 08 NOV 2018
02AD2-DFOO-IAC-VORXY06 08 NOV 2018
02AD2-DFOO-IAC-VORZY06 08 NOV 2018
02AD2-DFOO-IAC-VORZY24 08 NOV 2018
02AD2-DFOO-IAC-VORXY24 08 NOV 2018
02AD2-DFOO-VAC 27 JAN 2022
02AD2-DFOO-VLC 27 JAN 2022
02AD2-DFOO-CVFR-01 27 JAN 2022
02AD2-DFOO-CVFR-02 27 JAN 2022
02AD2-DFOO-ILC 27 JAN 2022

OUAGADOUGOU

02AD2-DFFD-ADC 22 APR 2021
02AD2-DFFD-APDC 25 FEB 2021
02AD2-DFFD-APDC-DATA 25 FEB 2021
02AD2-DFFD-AOC 22 APR 2021
02AD2-DFFD-ARC 10 AUG 2023
02AD2-DFFD-STAR-RNAV04 15 JUN 2023
02AD2-DFFD-STAR-RNAV-RWY04-DATA 15 JUN 2023
02AD2-DFFD-SID RNAV-RWY04 15 JUN 2023
02AD2-DFFD-SID-RNAV-RWY04-DATA 03 NOV 2022
02AD2-DFFD-SID-RNAV22 15 JUN 2023
02AD2-DFFD-SID RNAV-RWY22-DATA 02 NOV 2023
02AD2-DFFD-STAR-RNAV22 15 JUN 2023
02AD2-DFFD-STAR-RNAV22-DATA 15 JUN 2023
02AD2-DFFD-STAR-VORDME04 15 JUN 2023
02AD2-DFFD-STAR-VORDME22 15 JUN 2023
02AD2-DFFD-RMAC 27 JAN 2022
02AD2-DFFD-RMAC-DATA 27 JAN 2022

02AD2-DFFD-IAC-RNP04 15 JUN 2023
02AD2-DFFD-IAC-RNP04-DATA 15 JUN 2023
02AD2-DFFD-IAC-RNP22 21 APR 2022
02AD2-DFFD-IAC-RNP22-DATA 21 APR 2022
02AD2-DFFD-IAC-ILSX04 15 JUN 2023
02AD2-DFFD-IAC-ILSX04-DATA 15 JUN 2023
02AD2-DFFD-IAC-ILSY04 21 APR 2022
02AD2-DFFD-IAC-ILSZ04 15 JUN 2023
02AD2-DFFD-IAC-VOR04 21 APR 2022
02AD2-DFFD-IAC-VORY22 21 APR 2022
02AD2-DFFD-IAC-VORZ22 21 APR 2022
02AD2-DFFD-IAC-NDB04 21 APR 2022
02AD2-DFFD-IAC-NDB22 21 APR 2022
02AD2-DFFD-VAC 22 APR 2021
02AD2-DFFD-VLC 22 APR 2021
02AD2-DFFD-CVFR-01 25 FEB 2021
02AD2-DFFD-CVFR-02 25 FEB 2021
02AD2-DFFD-ILC 22 APR 2021

03

BAFOUSSAM

03AD2-FKKU-AOC 27 JAN 2022
03AD2-FKKU-IAC-RNAV15 16 JUL 2020
03AD2-FKKU-IAC-RNAV15-DATA 16 JUL 2020
03AD2-FKKU-IAC-RNAV33 16 JUL 2020
03AD2-FKKU-IAC-RNAV33-DATA 16 JUL 2020
03AD2-FKKU-IAC-VOR15 16 JUL 2020
03AD2-FKKU-IAC-VOR33 16 JUL 2020
03AD2-FKKU-CVFR-01 27 JAN 2022
03AD2-FKKU-CVFR-02 27 JAN 2022
03AD2-FKKU-ILC 27 JAN 2022
03AD2-FKKU-VAC 27 JAN 2022
03AD2-FKKU-VLC 27 JAN 2022

BATOURI

03AD2-FKKI-VAC 08 NOV 2018
03AD2-FKKI-VLC 08 NOV 2018
03AD2-FKKI-ILC 08 NOV 2018

DOUALA

03AD2-FKKD-ADC 15 JUN 2023
03AD2-FKKD-APDC 05 OCT 2023
03AD2-FKKD-AOC 15 JUN 2023
03AD2-FKKD-ARC 05 DEC 2019
03AD2-FKKD-STAR-RNAV12 08 NOV 2018
03AD2-FKKD-STAR-RNAV12-DATA-01 08 NOV 2018
03AD2-FKKD-STAR-RNAV12-DATA-02 08 NOV 2018
03AD2-FKKD-STAR-RNAV30 08 NOV 2018
03AD2-FKKD-STAR-RNAV30-DATA-01 08 NOV 2018
03AD2-FKKD-STAR-RNAV30-DATA-02 08 NOV 2018
03AD2-FKKD-STAR-VORDME1230 08 NOV 2018
03AD2-FKKD-RMAC 05 DEC 2019
03AD2-FKKD-RMAC-DATA 05 DEC 2019
03AD2-FKKD-IAC-RNAV12 08 NOV 2018
03AD2-FKKD-IAC-RNAV12-DATA 08 NOV 2018
03AD2-FKKD-IAC-RNAV30 08 NOV 2018
03AD2-FKKD-IAC-RNAV30-DATA 08 NOV 2018
03AD2-FKKD-IAC-RNAV-ILS30 08 NOV 2018

03AD2-FKKD-IAC-RNAV-ILS30-DATA 08 NOV 2018
03AD2-FKKD-SURVOL-STAR-SID 07 SEP 2023
03AD2-FKKD-IAC-ILSY30 08 NOV 2018
03AD2-FKKD-IAC-ILSZ30 08 NOV 2018
03AD2-FKKD-IAC-VORY12 08 NOV 2018
03AD2-FKKD-IAC-VORZ12 08 NOV 2018
03AD2-FKKD-IAC-VORY30 08 NOV 2018
03AD2-FKKD-IAC-VORZ30 08 NOV 2018
03AD2-FKKD-VAC 10 AUG 2023
03AD2-FKKD-VLC 10 AUG 2023
03AD2-FKKD-CVFR-01 10 AUG 2023
03AD2-FKKD-CVFR-02 10 AUG 2023
03AD2-FKKD-CVFR-03 10 AUG 2023
03AD2-FKKD-ILC 10 AUG 2023

GAROUA

03AD2-FKKR-ADC 15 JUN 2023
03AD2-FKKR-APDC 15 JUN 2023
03AD2-FKKR-AOC 15 JUN 2023
03AD2-FKKR-ARC 05 DEC 2019
03AD2-FKKR-STAR-RNAV09 29 DEC 2022
03AD2-FKKR-STAR-RNAV09-DATA1 29 DEC 2022
03AD2-FKKR-STAR-RNAV09-DATA2 29 DEC 2022
03AD2-FKKR-STAR-RNAV27 29 DEC 2022
03AD2-FKKR-STAR-RNAV27-DATA1 29 DEC 2022
03AD2-FKKR-STAR-RNAV27-DATA2 29 DEC 2022
03AD2-FKKR-IAC-RNP09 29 DEC 2022
03AD2-FKKR-IAC-RNP09-DATA 29 DEC 2022
03AD2-FKKR-IAC-RNP27 29 DEC 2022
03AD2-FKKR-IAC-RNP27-DATA 29 DEC 2022
03AD2-FKKR-STAR-VORDME09 29 DEC 2022
03AD2-FKKR-STAR-VORDME27 29 DEC 2022
03AD2-FKKR-IAC-ILSX09 29 DEC 2022
03AD2-FKKR-IAC-ILSX09-DATA 29 DEC 2022
03AD2-FKKR-IAC-ILSY09 29 DEC 2022
03AD2-FKKR-IAC-ILSZ09 29 DEC 2022
03AD2-FKKR-IAC-VORY09 29 DEC 2022
03AD2-FKKR-IAC-VORZ09 29 DEC 2022
03AD2-FKKR-IAC-VORY27 29 DEC 2022
03AD2-FKKR-IAC-VORZ27 29 DEC 2022
03AD2-FKKR-VAC 10 AUG 2023
03AD2-FKKR-VLC 10 AUG 2023
03AD2-FKKR-CVFR-01 10 AUG 2023
03AD2-FKKR-CVFR-02 10 AUG 2023
03AD2-FKKR-ILC 10 AUG 2023

KRIBI

03AD2-FKKB-VAC 08 NOV 2018
03AD2-FKKB-VLC 08 NOV 2018

MAMFE

03AD2-FKKF-VAC 08 NOV 2018
03AD2-FKKF-VLC 08 NOV 2018

MAROUA-SALAK

03AD2-FKKL-VAC 10 AUG 2023
03AD2-FKKL-VLC 10 AUG 2023
03AD2-FKKL-ILC 10 AUG 2023
03AD2-FKKL-IAC-NDB31 08 NOV 2018

NGAOUNDERE



03AD2-FKKN-VAC 08 NOV 2018
03AD2-FKKN-VLC 08 NOV 2018
03AD2-FKKN-ILC 08 NOV 2018
03AD2-FKKN-STAR-VOR0220 08 NOV 2018
03AD2-FKKN-IAC-VOR02 08 NOV 2018

TIKO

03AD2-FKKC-VAC 08 NOV 2018
03AD2-FKKC-VLC 08 NOV 2018

YAOUNDE / NSIMALEN

03AD2-FKYS-ADC 15 JUN 2023
03AD2-FKYS-APDC 15 JUN 2023
03AD2-FKYS-AOC 15 JUN 2023
03AD2-FKYS-SID-VORDME01 29 DEC 2022
03AD2-FKYS-SID-VORDME19 29 DEC 2022
03AD2-FKYS-STAR-RNAV01 29 DEC 2022
03AD2-FKYS-STAR-RNAV19 29 DEC 2022
03AD2-FKYS-STAR-VOR35 29 DEC 2022
03AD2-FKYS-IAC-RNP01 29 DEC 2022
03AD2-FKYS-IAC-RNP19 29 DEC 2022
03AD2-FKYS-STAR-VORDME01 29 DEC 2022
03AD2-FKYS-STAR-VORDME19 29 DEC 2022
03AD2-FKYS-IAC-ILSW19 29 DEC 2022
03AD2-FKYS-IAC-ILSYX19 29 DEC 2022
03AD2-FKYS-IAC-ILSZ19 29 DEC 2022
03AD2-FKYS-IAC-VORYX01 29 DEC 2022
03AD2-FKYS-IAC-VORZ01 29 DEC 2022
03AD2-FKYS-IAC-VORYX19 29 DEC 2022
03AD2-FKYS-IAC-VORZ19 29 DEC 2022
03AD2-FKYS-IAC-NDB01 29 DEC 2022
03AD2-FKYS-VAC 27 JAN 2022
03AD2-FKYS-VLC 27 JAN 2022
03AD2-FKYS-CVFR-01 27 JAN 2022
03AD2-FKYS-CVFR-02 27 JAN 2022
03AD2-FKYS-ILC 27 JAN 2022

04

BAMBARI

04AD2-FEFM-VAC 08 NOV 2018
04AD2-FEFM-VLC 08 NOV 2018

BANGASSOU

04AD2-FEFG-VAC 08 NOV 2018
04AD2-FEFG-VLC 08 NOV 2018

BANGUI-M'POKO

04AD2-FEFF-ADC 04 NOV 2021
04AD2-FEFF-APDC 04 NOV 2021
04AD2-FEFF-AOC 04 NOV 2021
04AD2-FEFF-ARC 05 DEC 2019
04AD2-FEFF-STAR-RNAV1735 08 NOV 2018
04AD2-FEFF-STAR-VORDME1735 08 NOV 2018
04AD2-FEFF-IAC-RNAV17 08 NOV 2018
04AD2-FEFF-IAC-RNAV35 08 NOV 2018
04AD2-FEFF-IAC-ILSY35 08 NOV 2018
04AD2-FEFF-IAC-ILSZ35 08 NOV 2018
04AD2-FEFF-IAC-VORYX17 08 NOV 2018
04AD2-FEFF-IAC-VORZ17 08 NOV 2018
04AD2-FEFF-IAC-VORYX35 08 NOV 2018
04AD2-FEFF-IAC-VORZ35 08 NOV 2018
04AD2-FEFF-VAC 04 NOV 2021
04AD2-FEFF-VLC 04 NOV 2021
04AD2-FEFF-CVFR-01 04 NOV 2021
04AD2-FEFF-CVFR-02 04 NOV 2021
04AD2-FEFF-ILC 04 NOV 2021

BERBERATI

04AD2-FEFT-VAC 08 NOV 2018
04AD2-FEFT-VLC 08 NOV 2018

BOUAR

04AD2-FEFO-VAC 08 NOV 2018
04AD2-FEFO-VLC 08 NOV 2018

BRIA

04AD2-FEFR-VAC 08 NOV 2018
04AD2-FEFR-VLC 08 NOV 2018

05

BRAZZAVILLE / MAYA-MAYA

05AD2-FCBB-ADC 05 DEC 2019
05AD2-FCBB-APDC-01 08 NOV 2018
05AD2-FCBB-APDC-DATA 08 NOV 2018
05AD2-FCBB-AOC 05 DEC 2019
05AD2-FCBB-ARC 05 DEC 2019
05AD2-FCBB-STAR-RNAV23 08 NOV 2018
05AD2-FCBB-STAR-VORDME05 16 JUN 2022
05AD2-FCBB-STAR-VORDME23 16 JUN 2022
05AD2-FCBB-RMAC 05 DEC 2019
05AD2-FCBB-RMAC-DATA 05 DEC 2019
05AD2-FCBB-IAC-RNP05 16 JUN 2022
05AD2-FCBB-IAC-RNP05-DATA 16 JUN 2022
05AD2-FCBB-IAC-RNP23 16 JUN 2022
05AD2-FCBB-IAC-RNP23-DATA 16 JUN 2022
05AD2-FCBB-IAC-ILSX05 16 JUN 2022
05AD2-FCBB-IAC-ILSX05-DATA 16 JUN 2022
05AD2-FCBB-IAC-ILSY05 16 JUN 2022
05AD2-FCBB-IAC-ILSZ05 16 JUN 2022
05AD2-FCBB-IAC-VORY05 16 JUN 2022
05AD2-FCBB-IAC-VORZ05 16 JUN 2022
05AD2-FCBB-IAC-VORY23 16 JUN 2022
05AD2-FCBB-IAC-VORZ23 16 JUN 2022
05AD2-FCBB-VAC 08 NOV 2018
05AD2-FCBB-VAC-FZAA 08 NOV 2018
05AD2-FCBB-VLC 08 NOV 2018
05AD2-FCBB-CVFR-01 08 NOV 2018
05AD2-FCBB-CVFR-02 08 NOV 2018
05AD2-FCBB-ILC 08 NOV 2018

DOLISIE

05AD2-FCPD-VAC 06 DEC 2018
05AD2-FCPD-VLC 06 DEC 2018

IMPFONDO

05AD2-FCOI-VAC 08 NOV 2018
05AD2-FCOI-VLC 08 NOV 2018

MAKOUA

05AD2-FCOM-VAC 08 NOV 2018
05AD2-FCOM-VLC 08 NOV 2018

MOSSENDJO

05AD2-FCMM-VAC 08 NOV 2018
05AD2-FCMM-VLC 08 NOV 2018

**OLLOMBO / DENIS SASSOU
N'GUESSO**

05AD2-FCOD-ARC 10 AUG 2023
05AD2-FCOD-VAC 27 JAN 2022
05AD2-FCOD-IAC-ILSZ04 21 APR 2022
05AD2-FCOD-IAC-NDB04 21 APR 2022
05AD2-FCOD-IAC-NDB22 21 APR 2022

OUESSO

05AD2-FCOU-VAC 08 NOV 2018
305AD2-FCOU-VLC 08 NOV 2018
05AD2-FCOU-IAC-RNAV01 08 NOV 2018
05AD2-FCOU-IAC-RNAV19 08 NOV 2018

**POINTE NOIRE / ANTONIO
AGOSTINHO NETO**

05AD2-FCPP-ADC 05 DEC 2019
05AD2-FCPP-AOC 05 DEC 2019
05AD2-FCPP-STAR-RNAV17 21 APR 2022
05AD2-FCPP-STAR-RNAV35 21 APR 2022
05AD2-FCPP-STAR-VOR17 21 APR 2022
05AD2-FCPP-STAR-VOR35 21 APR 2022
05AD2-FCPP-IAC-RNAV17 21 APR 2022
05AD2-FCPP-IAC-RNAV35 21 APR 2022
05AD2-FCPP-IAC-ILSX17 21 APR 2022
05AD2-FCPP-IAC-ILSY17 21 APR 2022
05AD2-FCPP-IAC-ILSZ17 21 APR 2022
05AD2-FCPP-IAC-VORY17 21 APR 2022
05AD2-FCPP-IAC-VORZ17 21 APR 2022
05AD2-FCPP-IAC-VORY35 21 APR 2022
05AD2-FCPP-IAC-VORZ35 21 APR 2022
05AD2-FCPP-VAC 06 DEC 2018
05AD2-FCPP-VLC 06 DEC 2018
05AD2-FCPP-CVFR-01 08 NOV 2018
05AD2-FCPP-CVFR-02 08 NOV 2018
05AD2-FCPP-ILC 06 DEC 2018

06

**AEROPORT INTERNATIONAL FELIX
HOUPHOUET BOIGNY D'ABIDJAN**

06AD2-DIAP-ADC 05 NOV 2020
06AD2-DIAP-APDC 05 NOV 2020
06AD2-DIAP-APDC-DATA1 05 NOV 2020
06AD2-DIAP-APDC-DATA2 05 NOV 2020
06AD2-DIAP-AOC 05 NOV 2020
06AD2-DIAP-ARC 10 AUG 2023
06AD2-DIAP-STAR-RNAV03 16 JUN 2022
06AD2-DIAP-STAR-RNAV03-DATA 16 JUN 2022
06AD2-DIAP-STAR-RNAV21 16 JUN 2022
06AD2-DIAP-STAR-RNAV21-DATA 16 JUN 2022
06AD2-DIAP-STAR-VORDME0321 16 JUN 2022
06AD2-DIAP-RMAC 10 AUG 2023
06AD2-DIAP-IAC-RNAV03 16 JUL 2020
06AD2-DIAP-IAC-RNAV03-DATA 16 JUL 2020
06AD2-DIAP-IAC-RNAV21 16 JUL 2020
06AD2-DIAP-IAC-RNAV21-DATA 16 JUL 2020
06AD2-DIAP-IAC-ILSX21 16 JUL 2020
06AD2-DIAP-IAC-ILSX21-DATA 16 JUL 2020
06AD2-DIAP-IAC-ILSY21 16 JUL 2020
06AD2-DIAP-IAC-ILSZ21 05 NOV 2020
06AD2-DIAP-IAC-VORY03 16 JUL 2020
06AD2-DIAP-IAC-VORZ03 16 JUL 2020
06AD2-DIAP-IAC-VORY21 16 JUL 2020
06AD2-DIAP-IAC-VORZ21 05 NOV 2020
06AD2-DIAP-VAC 05 NOV 2020
06AD2-DIAP-VLC 25 FEB 2021
06AD2-DIAP-CVFR-01 08 NOV 2018
06AD2-DIAP-CVFR-02 08 NOV 2018
06AD2-DIAP-ILC 05 NOV 2020

BOUAKE

06AD2-DIBK-VAC 08 NOV 2018
06AD2-DIBK-VLC 08 NOV 2018
06AD2-DIBK-CVFR-01 08 NOV 2018



06AD2-DIBK-CVFR-02 08 NOV 2018
06AD2-DIBK-IAC-RNAV03 24 MAR 2022
06AD2-DIBK-IAC-RNAV03-DATA 24 MAR 2022
06AD2-DIBK-IAC-RNAV21 24 MAR 2022
06AD2-DIBK-IAC-RNAV21-DATA 24 MAR 2022
06AD2-DIBK-IAC-VORY03 24 MAR 2022
06AD2-DIBK-IAC-VORZ03 24 MAR 2022
06AD2-DIBK-IAC-VORY21 24 MAR 2022
06AD2-DIBK-IAC-VORZ21 24 MAR 2022

KORHOGO

06AD2-DIKO-VAC 08 NOV 2018
06AD2-DIKO-VLC 08 NOV 2018
06AD2-DIKO-IAC-RNAV08 12 AUG 2021
06AD2-DIKO-IAC-RNAV08-DATA 12 AUG 2021
06AD2-DIKO-IAC-RNAV26 12 AUG 2021
06AD2-DIKO-IAC-RNAV26-DATA 12 AUG 2021
06AD2-DIKO-IAC-VORY08 24 MAR 2022
06AD2-DIKO-IAC-VORZ08 24 MAR 2022
06AD2-DIKO-IAC-VORY26 24 MAR 2022
06AD2-DIKO-IAC-VORZ26 24 MAR 2022

MAN

06AD2-DIMN-VAC 08 NOV 2018
06AD2-DIMN-VLC 08 NOV 2018
06AD2-DIMN-IAC-RNAV03 12 AUG 2021
06AD2-DIMN-IAC-RNAV03-DATA 12 AUG 2021
06AD2-DIMN-IAC-RNAV21 12 AUG 2021
06AD2-DIMN-IAC-RNAV21-DATA 12 AUG 2021
06AD2-DIMN-IAC-VORY03 24 MAR 2022
06AD2-DIMN-IAC-VORZ03 24 MAR 2022

ODIENNE

06AD2-DIOD-VAC 08 NOV 2018
06AD2-DIOD-VLC 08 NOV 2018
06AD2-DIOD-IAC-RNAV06 12 AUG 2021
06AD2-DIOD-IAC-RNAV06-DATA 12 AUG 2021
06AD2-DIOD-IAC-RNAV24 12 AUG 2021
06AD2-DIOD-IAC-RNAV24-DATA 12 AUG 2021
06AD2-DIOD-IAC-VORY06 24 MAR 2022
06AD2-DIOD-IAC-VORZ06 24 MAR 2022
06AD2-DIOD-IAC-VORY24 24 MAR 2022
06AD2-DIOD-IAC-VORZ24 24 MAR 2022

SAN PEDRO

06AD2-DISP-VAC 08 NOV 2018
06AD2-DISP-VLC 08 NOV 2018
06AD2-DISP-ILC 08 NOV 2018
06AD2-DISP-IAC-RNAV03 24 MAR 2022
06AD2-DISP-IAC-RNAV03-DATA 24 MAR 2022
06AD2-DISP-IAC-RNAV21 24 MAR 2022
06AD2-DISP-IAC-RNAV21-DATA 24 MAR 2022
06AD2-DISP-IAC-VORY03 24 MAR 2022
06AD2-DISP-IAC-VORZ03 24 MAR 2022
06AD2-DISP-IAC-VORY21 24 MAR 2022
06AD2-DISP-IAC-VORZ21 24 MAR 2022

SASSANDRA

06AD2-DISS-VAC 08 NOV 2018
06AD2-DISS-VLC 08 NOV 2018

TABOU

06AD2-DITB-VAC 08 NOV 2018
06AD2-DITB-VLC 08 NOV 2018

YAMOUSOUKRO

06AD2-DIYO-VAC 08 NOV 2018
06AD2-DIYO-VLC 08 NOV 2018
06AD2-DIYO-CVFR-01 08 NOV 2018
06AD2-DIYO-CVFR-02 08 NOV 2018
06AD2-DIYO-ILC 08 NOV 2018
06AD2-DIYO-IAC-RNAV05 24 MAR 2022
06AD2-DIYO-IAC-RNAV05-DATA 24 MAR 2022
06AD2-DIYO-IAC-RNAV23 24 MAR 2022
06AD2-DIYO-IAC-RNAV23-DATA 24 MAR 2022
06AD2-DIYO-IAC-ILSX05 12 AUG 2021
06AD2-DIYO-IAC-ILSX05-DATA 12 AUG 2021
06AD2-DIYO-IAC-ILSY05 12 AUG 2021
06AD2-DIYO-IAC-ILZX05 12 AUG 2021
06AD2-DIYO-IAC-VORY05 24 MAR 2022
06AD2-DIYO-IAC-VORZ05 24 MAR 2022
06AD2-DIYO-IAC-VORY23 24 MAR 2022
06AD2-DIYO-IAC-VORZ23 24 MAR 2022

07

FRANCEVILLE/M'VENGUE

07AD2-FOON-ADC 27 JAN 2022
07AD2-FOON-AOC 27 JAN 2022
07AD2-FOON-IAC-RNAV15 08 NOV 2018
07AD2-FOON-IAC-RNAV33 08 NOV 2018
07AD2-FOON-IAC-ILSY15 08 NOV 2018
07AD2-FOON-IAC-ILSZ15 08 NOV 2018
07AD2-FOON-IAC-VORZY15 08 NOV 2018
07AD2-FOON-IAC-VORZY33 08 NOV 2018
07AD2-FOON-IAC-NDB15 08 NOV 2018
07AD2-FOON-VAC 27 JAN 2022
07AD2-FOON-VLC 27 JAN 2022
07AD2-FOON-CVFR-01 27 JAN 2022
07AD2-FOON-CVFR-02 27 JAN 2022
07AD2-FOON-ILC 27 JAN 2022

LAMBARENE

07AD2-FOGR-VAC 08 NOV 2018
07AD2-FOGR-VLC 08 NOV 2018

LIBREVILLE/LEON M'BA

07AD2-FOOL-ADC 05 DEC 2019
07AD2-FOOL-APDC 06 DEC 2018
07AD2-FOOL-APDC-DATA 06 DEC 2018
07AD2-FOOL-AOC 05 DEC 2019
07AD2-FOOL-ARC 05 DEC 2019
07AD2-FOOL-SID-RNAV16 16 JUN 2022
07AD2-FOOL-SID-RNAV16-DATA-1 16 JUN 2022
07AD2-FOOL-SID-RNAV16-DATA-2 16 JUN 2022
07AD2-FOOL-SID-RNAV34 16 JUN 2022
07AD2-FOOL-STAR-RNAV16 16 JUN 2022
07AD2-FOOL-STAR-RNAV16-DATA-1 16 JUN 2022
07AD2-FOOL-STAR-RNAV16-DATA-2 16 JUN 2022
07AD2-FOOL-STAR-VORDME16 16 JUN 2022
07AD2-FOOL-IAC-RNAV16 16 JUN 2022
07AD2-FOOL-IAC-ILSV16 16 JUN 2022
07AD2-FOOL-IAC-ILSW16 16 JUN 2022
07AD2-FOOL-IAC-ILSX16 16 JUN 2022
07AD2-FOOL-IAC-ILSY16 16 JUN 2022
07AD2-FOOL-IAC-ILSZ16 16 JUN 2022

07AD2-FOOL-IAC-VORYX16 16 JUN 2022
07AD2-FOOL-IAC-VORZ16 16 JUN 2022
07AD2-FOOL-IAC-NDB16 16 JUN 2022
07AD2-FOOL-VAC 06 DEC 2018
07AD2-FOOL-VLC 06 DEC 2018
07AD2-FOOL-CVFR-01 10 AUG 2023
07AD2-FOOL-CVFR-02 10 AUG 2023
07AD2-FOOL-ILC 06 DEC 2018

MAKOKOU

07AD2-FOOK-VAC 08 NOV 2018
07AD2-FOOK-VLC 08 NOV 2018

MOANDA BANGOMBE

07AD2-FOOD-VAC 08 NOV 2018
07AD2-FOOD-VLC 08 NOV 2018

MOUILA /RAPHAEL BOUBALA

07AD2-FOGM-VAC 08 NOV 2018
07AD2-FOGM-VLC 08 NOV 2018

OYEM

07AD2-FOGO-VAC 08 NOV 2018
07AD2-FOGO-VLC 08 NOV 2018

PORT-GENTIL

07AD2-FOOG-ADC 24 FEB 2022
07AD2-FOOG-APDC 24 FEB 2022
07AD2-FOOG-AOC 24 FEB 2022
07AD2-FOOG-IAC-RNAV03 08 NOV 2018
07AD2-FOOG-IAC-RNAV21 08 NOV 2018
07AD2-FOOG-IAC-ILSX21 08 NOV 2018
07AD2-FOOG-IAC-ILSY21 08 NOV 2018
07AD2-FOOG-IAC-ILSZ21 08 NOV 2018
07AD2-FOOG-IAC-NDB03 08 NOV 2018
07AD2-FOOG-IAC-NDB21 08 NOV 2018
07AD2-FOOG-IAC-VOR03 08 NOV 2018
07AD2-FOOG-IAC-VOR21 08 NOV 2018
07AD2-FOOG-VAC 24 FEB 2022
07AD2-FOOG-VLC 24 FEB 2022
07AD2-FOOG-CVFR-01 24 FEB 2022
07AD2-FOOG-CVFR-02 24 FEB 2022
07AD2-FOOG-ILC 24 FEB 2022

TCHIBANGA

07AD2-FOOT-VAC 08 NOV 2018
07AD2-FOOT-VLC 08 NOV 2018

08

BATA

08AD2-FGBT-ADC 10 SEP 2020
08AD2-FGBT-AOC 10 SEP 2020
08AD2-FGBT-IAC-ILSY21 08 NOV 2018
08AD2-FGBT-IAC-ILSZ21 08 NOV 2018
08AD2-FGBT-IAC-VORY03 08 NOV 2018
08AD2-FGBT-IAC-VORZ03 08 NOV 2018
08AD2-FGBT-IAC-VORY21 08 NOV 2018
08AD2-FGBT-IAC-VORZ21 08 NOV 2018
08AD2-FGBT-VAC 10 SEP 2020
08AD2-FGBT-VLC 10 SEP 2020
08AD2-FGBT-ILC 10 SEP 2020

MALABO

08AD2-FGSL-ADC 10 SEP 2020
08AD2-FGSL-AOC 10 SEP 2020
08AD2-FGSL-ARC 05 DEC 2019
08AD2-FGSL-STAR-RNAV04 08 NOV 2018
08AD2-FGSL-STAR-RNAV22 08 NOV 2018
08AD2-FGSL-STAR-VORDME0422 08 NOV 2018
08AD2-FGSL-IAC-RNAV04 08 NOV 2018



08AD2-FGSL-IAC-RNAV22 08 NOV 2018
08AD2-FGSL-IAC-RNAV-ILS22 08 NOV
2018
08AD2-FGSL-IAC-ILS22 08 NOV 2018
08AD2-FGSL-IAC-VOR_NDB04 08 NOV
2018
08AD2-FGSL-IAC-VOR_NDB22 08 NOV
2018
08AD2-FGSL-IAC-VOR_NDB_ILS22 08 NOV
2018
08AD2-FGSL-IAC-VORDME04 08 NOV 2018
08AD2-FGSL-IAC-VORDME22 08 NOV 2018
08AD2-FGSL-VAC 10 SEP 2020
08AD2-FGSL-VLC 10 SEP 2020
08AD2-FGSL-ILC 10 SEP 2020

MONGOMEYEN/GENERAL OBIANG

08AD2-FGMY-ADC 10 SEP 2020
08AD2-FGMY-AOC 10 SEP 2020
08AD2-FGMY-IAC-ILSY18 08 NOV 2018
08AD2-FGMY-IAC-ILSZ18 08 NOV 2018
08AD2-FGMY-IAC-VORY18 08 NOV 2018
08AD2-FGMY-IAC-VORZ18 08 NOV 2018
08AD2-FGMY-IAC-VOR36 08 NOV 2018
08AD2-FGMY-VAC 10 SEP 2020
08AD2-FGMY-VLC 10 SEP 2020
08AD2-FGMY-ILC 10 SEP 2020

09

ANDAPA

09AD2-FMND-VAC 08 NOV 2018
09AD2-FMND-VLC 08 NOV 2018

ANTALAHA / ANTSIRABATO

09AD2-FMNH-VAC 08 NOV 2018
09AD2-FMNH-VLC 08 NOV 2018

ANTANANARIVO / IVATO

09AD2-FMMI-ADC 05 DEC 2019
09AD2-FMMI-APDC 08 NOV 2018
09AD2-FMMI-AOC 05 DEC 2019
09AD2-FMMI-ARC 05 DEC 2019
09AD2-FMMI-SID-RNAV11 30 NOV 2023
09AD2-FMMI-SID-RNAV11-DATA 30 NOV
2023
09AD2-FMMI-SID-RNAV29 30 NOV 2023
09AD2-FMMI-SID-RNAV29-DATA 30 NOV
2023
09AD2-FMMI-SID-VORDME11 30 NOV 2023
09AD2-FMMI-SID-VORDME29 30 NOV 2023
09AD2-FMMI-STAR-RNAV11 30 NOV 2023
09AD2-FMMI-STAR-RNAV11-DATA 30 NOV
2023
09AD2-FMMI-STAR-RNAV29 30 NOV 2023
09AD2-FMMI-STAR-RNAV29-DATA 30 NOV
2023
09AD2-FMMI-STAR-VORDME11 30 NOV
2023
09AD2-FMMI-STAR-VORDME29 30 NOV
2023
09AD2-FMMI-RMAC 05 DEC 2019
09AD2-FMMI-IAC-RNP11 30 NOV 2023
09AD2-FMMI-IAC-RNP11-DATA 30 NOV
2023
09AD2-FMMI-IAC-RNP29 30 NOV 2023
09AD2-FMMI-IAC-RNP29-DATA 30 NOV
2023
09AD2-FMMI-IAC-ILSX11 30 NOV 2023
09AD2-FMMI-IAC-ILSX11-DATA 30 NOV
2023
09AD2-FMMI-IAC-ILSY11 30 NOV 2023

09AD2-FMMI-IAC-ILSZ11 30 NOV 2023
09AD2-FMMI-IAC-NDB11 30 NOV 2023
09AD2-FMMI-IAC-NDB29 30 NOV 2023
09AD2-FMMI-IAC-VOR11 30 NOV 2023
09AD2-FMMI-IAC-VORY29 30 NOV 2023
09AD2-FMMI-IAC-VORZ29 30 NOV 2023
09AD2-FMMI-VAC 08 NOV 2018
09AD2-FMMI-VLC 08 NOV 2018
09AD2-FMMI-ILC 08 NOV 2018

ANTSIRANANA / ARRACHART

09AD2-FMNA-VAC 08 NOV 2018
09AD2-FMNA-VLC 08 NOV 2018
09AD2-FMNA-IAC-NDB13 08 NOV 2018
09AD2-FMNA-IAC-RNP13 29 DEC 2022
09AD2-FMNA-IAC-RNP13-DATA 29 DEC
2022

FIANARANTSOA

09AD2-FMSF-VAC 08 NOV 2018
09AD2-FMSF-VLC 08 NOV 2018
09AD2-FMSF-IAC-NDB08 08 NOV 2018
09AD2-FMSF-IAC-NDB26 08 NOV 2018

**MAHAJANGA / PHILIBERT
TSIRANANA**

09AD2-FMNM-ADC 27 JAN 2022
09AD2-FMNM-APDC 27 JAN 2022
09AD2-FMNM-AOC 05 DEC 2019
09AD2-FMNM-STAR-RNAV14 08 NOV 2018
09AD2-FMNM-STAR-DATA-RNAV14 08
NOV 2018
09AD2-FMNM-STAR-RNAV32 08 NOV 2018
09AD2-FMNM-STAR-DATA-RNAV32 08
NOV 2018
09AD2-FMNM-STAR-VORDME1432 08 NOV
2018
09AD2-FMNM-IAC-RNAV14 08 NOV 2018
09AD2-FMNM-IAC-DATA-RNAV14 08 NOV
2018
09AD2-FMNM-IAC-RNAV32 08 NOV 2018
09AD2-FMNM-IAC-DATA-RNAV32 08 NOV
2018
09AD2-FMNM-IAC-VORYX14 08 NOV 2018
09AD2-FMNM-IAC-VORZ14 06 DEC 2018
09AD2-FMNM-IAC-VORY32 06 DEC 2018
09AD2-FMNM-IAC-VORZ32 06 DEC 2018
09AD2-FMNM-IAC-NDB32 08 NOV 2018
09AD2-FMNM-VAC 27 JAN 2022
09AD2-FMNM-VLC 27 JAN 2022
09AD2-FMNM-ILC 27 JAN 2022

MANANJARY

09AD2-FMSM-VAC 08 NOV 2018
09AD2-FMSM-VLC 08 NOV 2018
09AD2-FMSM-IAC-CATAB_L04 08 NOV
2018
09AD2-FMSM-IAC-CATCD_L04 08 NOV
2018
09AD2-FMSM-IAC-CATAB_L22 08 NOV
2018
09AD2-FMSM-IAC-CATCD_L22 08 NOV
2018

MORONDAVA

09AD2-FMMV-VAC 08 NOV 2018
09AD2-FMMV-VLC 08 NOV 2018
09AD2-FMMV-IAC-CATAB_NDB10 08 NOV
2018
09AD2-FMMV-IAC-CATCD_NDB10 08 NOV
2018

09AD2-FMMV-IAC-CATAB_NDB28 08 NOV
2018
09AD2-FMMV-IAC-CATCD_NDB28 08 NOV
2018

NOSY-BE / FASCENE

09AD2-FMNN-ADC 05 DEC 2019
09AD2-FMNN-AOC 05 DEC 2019
09AD2-FMNN-IAC-CATAB_VORDME23 08
NOV 2018
09AD2-FMNN-IAC-CATCD_VORDME23 08
NOV 2018
09AD2-FMNN-IAC-CATAB_NDB23 08 NOV
2018
09AD2-FMNN-IAC-CATCD_NDB23 08 NOV
2018
09AD2-FMNN-IAC-CATAB_VOR23 08 NOV
2018
09AD2-FMNN-IAC-CATCD_VOR23 08 NOV
2018
09AD2-FMNN-VAC 08 NOV 2018
09AD2-FMNN-VLC 08 NOV 2018

SAINTE-MARIE

09AD2-FMMS-VAC 08 NOV 2018
09AD2-FMMS-VLC 08 NOV 2018
09AD2-FMMS-IAC-L01 08 NOV 2018
09AD2-FMMS-IAC-L19 08 NOV 2018
09AD2-FMMS-IAC-RNP01 29 DEC 2022
09AD2-FMMS-IAC-RNP01-DATA 29 DEC
2022
09AD2-FMMS-IAC-RNP19 29 DEC 2022
09AD2-FMMS-IAC-RNP19-DATA 29 DEC
2022

SAMBAVA / SUD

09AD2-FMNS-VAC 08 NOV 2018
09AD2-FMNS-VLC 08 NOV 2018
09AD2-FMNS-IAC-CATAB_NDB34 08 NOV
2018
09AD2-FMNS-IAC-CATCD_NDB34 08 NOV
2018
09AD2-FMNS-IAC-CATAB_NDBDME34 08
NOV 2018
09AD2-FMNS-IAC-CATCD_NDBDME34 08
NOV 2018
09AD2-FMNS-IAC-L_DME16 08 NOV 2018
09AD2-FMNS-IAC-NDB16 08 NOV 2018
09AD2-FMNS-IAC-NDB_DME16 08 NOV
2018

TOAMASINA/AMBALAMANASY

09AD2-FMNT-ADC 27 JAN 2022
09AD2-FMNT-AOC 27 JAN 2022
09AD2-FMNT-IAC-RNAV01 08 NOV 2018
09AD2-FMNT-IAC-RNAV19 08 NOV 2018
09AD2-FMNT-IAC-RNAVILS19 08 NOV
2018
09AD2-FMNT-IAC-ILSZ19 08 NOV 2018
09AD2-FMNT-IAC-VOR_NDB01 08 NOV
2018
09AD2-FMNT-IAC-VOR_NDB19 08 NOV
2018
09AD2-FMNT-VAC 27 JAN 2022
09AD2-FMNT-VLC 27 JAN 2022
09AD2-FMNT-CVFR-01 27 JAN 2022
09AD2-FMNT-CVFR-02 27 JAN 2022
09AD2-FMNT-ILC 27 JAN 2022

TOLAGNARO / MARILLAC

09AD2-FMSD-VAC 08 NOV 2018
09AD2-FMSD-VLC 08 NOV 2018



09AD2-FMSD-IAC-CATAB_NDBDME08 08 NOV 2018
09AD2-FMSD-IAC-CATCD_NDBDME08 08 NOV 2018
09AD2-FMSD-IAC-CATAB_NDBDME26 08 NOV 2018
09AD2-FMSD-IAC-CATCD_NDBDME26 08 NOV 2018
09AD2-FMSD-IAC-CATAB_NDB08 08 NOV 2018
09AD2-FMSD-IAC-CATCD_NDB08 08 NOV 2018
09AD2-FMSD-IAC-CATAB_NDB26 08 NOV 2018
09AD2-FMSD-IAC-CATCD_NDB26 08 NOV 2018

TOLIARY

09AD2-FMST-VAC 08 NOV 2018
09AD2-FMST-VLC 08 NOV 2018
09AD2-FMST-IAC-CATAB_NDB04 08 NOV 2018
09AD2-FMST-IAC-CATCD_NDB04 08 NOV 2018
09AD2-FMST-IAC-NDB22 08 NOV 2018
09AD2-FMST-IAC-RNP04 29 DEC 2022
09AD2-FMST-IAC-RNP04-DATA 29 DEC 2022
09AD2-FMST-IAC-RNP22 29 DEC 2022
09AD2-FMST-IAC-RNP22-DATA 29 DEC 2022

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**AEROPORT INTERNATIONAL
PRESIDENT MODIBO KEITA - SENOU**

10AD2-GABS-ADC 10 AUG 2023
10AD2-GABS-APDC 08 NOV 2018
10AD2-GABS-AOC 10 AUG 2023
10AD2-GABS-ARC 10 AUG 2023
10AD2-GABS-STAR-RNAV0624 08 NOV 2018
10AD2-GABS-STAR-VORDME0624 08 NOV 2018
10AD2-GABS-RMAC 05 DEC 2019
10AD2-GABS-IAC-RNAV06 08 NOV 2018
10AD2-GABS-IAC-RNAV24 08 NOV 2018
10AD2-GABS-IAC-ILSY06 08 NOV 2018
10AD2-GABS-IAC-ILSZ06 08 NOV 2018
10AD2-GABS-IAC-VORY06.pdf 08 NOV 2018
10AD2-GABS-IAC-VORZ06 08 NOV 2018
10AD2-GABS-IAC-VORY24 08 NOV 2018
10AD2-GABS-IAC-VORZ24 08 NOV 2018
10AD2-GABS-VAC 10 AUG 2023
10AD2-GABS-VLC 10 AUG 2023
10AD2-GABS-CVFR-01 10 AUG 2023
10AD2-GABS-CVFR-02 10 AUG 2023
10AD2-GABS-ILC 10 AUG 2023

GAO / KOROGOUSSOU

10AD2-GAGO-ADC 04 NOV 2021
10AD2-GAGO-IAC-RNAV07L 08 NOV 2018
10AD2-GAGO-IAC-DATA-RNAV07L 08 NOV 2018
10AD2-GAGO-IAC-RNAV25R 08 NOV 2018
10AD2-GAGO-IAC-DATA-RNAV25R 08 NOV 2018
10AD2-GAGO-VAC 04 NOV 2021
10AD2-GAGO-VLC 04 NOV 2021
10AD2-GAGO-ILC 04 NOV 2021

GOUNDAM

10AD2-GAGM-VAC 08 NOV 2018
10AD2-GAGM-VLC 08 NOV 2018

KAYES / DAG-DAG

10AD2-GAKD-VAC 08 NOV 2018
10AD2-GAKD-VLC 08 NOV 2018
10AD2-GAKD-ILC 08 NOV 2018
10AD2-GAKD-IAC-VORY09 27 JAN 2022
10AD2-GAKD-IAC-VORZ09 27 JAN 2022
10AD2-GAKD-IAC-VORY27 27 JAN 2022
10AD2-GAKD-IAC-VORZ27 27 JAN 2022

KENIEBA

10AD2-GAKA-VAC 08 NOV 2018
10AD2-GAKA-VLC 08 NOV 2018

KIDAL

10AD2-GAKL-IAC-PinS-RNP-084 02 NOV 2023
10AD2-GAKL-IAC-PinS-RNP-084-DATA 02 NOV 2023
10AD2-GAKL-IAC-RNP06 02 NOV 2023
10AD2-GAKL-IAC-RNP06-DATA 02 NOV 2023
10AD2-GAKL-IAC-RNP24 02 NOV 2023
10AD2-GAKL-IAC-RNP24-DATA 02 NOV 2023

MOPTI / AMBODEDJO

10AD2-GAMB-VAC 27 JAN 2022
10AD2-GAMB-VLC 27 JAN 2022
10AD2-GAMB-ILC 27 JAN 2022
10AD2-GAMB-IAC-VOR05 08 NOV 2018
10AD2-GAMB-IAC-VOR23 08 NOV 2018

NIORO

10AD2-GANR-VAC 08 NOV 2018
10AD2-GANR-VLC 08 NOV 2018

SIKASSO / DIGNANGAN

10AD2-GASO-ILC 08 NOV 2018

TESSALIT

10AD2-GATS-VAC 08 NOV 2018
10AD2-GATS-VLC 08 NOV 2018
10AD2-GATS-IAC-RNP05 08 NOV 2018
10AD2-GATS-IAC-RNP05-DATA 08 NOV 2018
10AD2-GATS-IAC-RNP23 08 NOV 2018
10AD2-GATS-IAC-RNP23-DATA 08 NOV 2018

TOMBOUCTOU

10AD2-GATB-VAC 08 NOV 2018
10AD2-GATB-VLC 08 NOV 2018
10AD2-GATB-ILC 08 NOV 2018
10AD2-GATB-IAC-RNAV07 08 NOV 2018
10AD2-GATB-IAC-DATA-RNAV07 08 NOV 2018
10AD2-GATB-IAC-RNAV25 08 NOV 2018
10AD2-GATB-IAC-DATA-RNAV25 08 NOV 2018

YELIMANE

10AD2-GAYE-VAC 08 NOV 2018
10AD2-GAYE-VLC 08 NOV 2018

11

AIOUN EL ATROUSS

11AD2-GQNA-VAC 08 NOV 2018
11AD2-GQNA-VLC 08 NOV 2018

ATAR

11AD2-GQPA-VAC 08 NOV 2018
11AD2-GQPA-VLC 08 NOV 2018

BIR MOGREIN

11AD2-GQPT-VAC 08 NOV 2018
11AD2-GQPT-VLC 08 NOV 2018

KAEDI

11AD2-GQNK-VAC 08 NOV 2018
11AD2-GQNK-VLC 08 NOV 2018

KIFFA

11AD2-GQNF-VAC 08 NOV 2018
11AD2-GQNF-VLC 08 NOV 2018

NEMA

11AD2-GQNI-VAC 08 NOV 2018
11AD2-GQNI-VLC 08 NOV 2018
11AD2-GQNI-ILC 08 NOV 2018

NOUADHIBOU

11AD2-GQPP-ADC 07 OCT 2021
11AD2-GQPP-APDC 07 OCT 2021
11AD2-GQPP-AOC 07 OCT 2021
11AD2-GQPP-STAR-RNAV0220 06 OCT 2022
11AD2-GQPP-STAR-VORDME0220 06 OCT 2022
11AD2-GQPP-IAC-RNAV02 06 OCT 2022
11AD2-GQPP-IAC-RNAV20 06 OCT 2022
11AD2-GQPP-IAC-ILSY02 06 OCT 2022
11AD2-GQPP-IAC-ILSZ02 06 OCT 2022
11AD2-GQPP-IAC-VORY02 06 OCT 2022
11AD2-GQPP-IAC-VORZ02 06 OCT 2022
11AD2-GQPP-IAC-VORY20 06 OCT 2022
11AD2-GQPP-IAC-VORZ20 06 OCT 2022
11AD2-GQPP-VAC 07 OCT 2021
11AD2-GQPP-VLC 07 OCT 2021
11AD2-GQPP-CVFR-01 07 OCT 2021
11AD2-GQPP-CVFR-02 07 OCT 2021
11AD2-GQPP-ILC 07 OCT 2021

NOUAKCHOTT - OUMTOUNSY

11AD2-GQNO-ADC 05 NOV 2020
11AD2-GQNO-APDC 05 NOV 2020
11AD2-GQNO-APDC-DATA 05 NOV 2020
11AD2-GQNO-AOC0624 05 NOV 2020
11AD2-GQNO-AOC1634 05 NOV 2020
11AD2-GQNO-ARC 05 DEC 2019
11AD2-GQNO-STAR-VORDME06 08 NOV 2018
11AD2-GQNO-STAR-VORDME1634 08 NOV 2018
11AD2-GQNO-RMAC 05 DEC 2019
11AD2-GQNO-RMAC-DATA 05 DEC 2019
11AD2-GQNO-IAC-RNP06 08 NOV 2018
11AD2-GQNO-IAC-DATA-RNP06 08 NOV 2018
11AD2-GQNO-IAC-RNP24 08 NOV 2018
11AD2-GQNO-IAC-DATA-RNP24 08 NOV 2018
11AD2-GQNO-IAC-RNP16 08 NOV 2018
11AD2-GQNO-IAC-DATA-RNP16 08 NOV 2018
11AD2-GQNO-IAC-RNP34 08 NOV 2018
11AD2-GQNO-IAC-DATA-RNP34 08 NOV 2018
11AD2-GQNO-IAC-RNAV_ILS06 08 NOV 2018



11AD2-GQNO-IAC-DATA-RNAV_ILS06 08
NOV 2018
11AD2-GQNO-IAC-ILSZ06 08 NOV 2018
11AD2-GQNO-IAC-RNAV_ILS34 08 NOV
2018
11AD2-GQNO-IAC-DATA-RNAV_ILS34 08
NOV 2018
11AD2-GQNO-IAC-ILSY34 08 NOV 2018
11AD2-GQNO-IAC-ILSZ34 08 NOV 2018
11AD2-GQNO-IAC-VORY16 08 NOV 2018
11AD2-GQNO-IAC-VORZ16 08 NOV 2018
11AD2-GQNO-IAC-VORX34 08 NOV 2018
11AD2-GQNO-IAC-VORY34 08 NOV 2018
11AD2-GQNO-IAC-VORZ34 08 NOV 2018
11AD2-GQNO-VAC 05 NOV 2020
11AD2-GQNO-VLC 05 NOV 2020
11AD2-GQNO-CVFR01 05 NOV 2020
11AD2-GQNO-CVFR02 05 NOV 2020
11AD2-GQNO-CVFR03 05 NOV 2020
11AD2-GQNO-ILC 05 NOV 2020

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AGADEZ / MANO DAYAK

12AD2-DRZA-VAC 08 NOV 2018
12AD2-DRZA-VLC 08 NOV 2018
12AD2-DRZA-ILC 08 NOV 2018
12AD2-DRZA-IAC-NDB07L 25 MAR 2021
12AD2-DRZA-IAC-NDB25R 25 MAR 2021
12AD2-DRZA-IAC-RNP07L 25 MAR 2021
12AD2-DRZA-IAC-RNP07L-DATA 25 MAR
2021
12AD2-DRZA-IAC-RNP07R 25 MAR 2021
12AD2-DRZA-IAC-RNP07R-DATA 25 MAR
2021
12AD2-DRZA-IAC-RNP25L 25 MAR 2021
12AD2-DRZA-IAC-RNP25L-DATA 25 MAR
2021
12AD2-DRZA-IAC-RNP25R 25 MAR 2021
12AD2-DRZA-IAC-RNP25R-DATA 25 MAR
2021
12AD2-DRZA-IAC-VOR07L 25 MAR 2021
12AD2-DRZA-IAC-VOR25R 25 MAR 2021

DIRKOU

12AD2-DRZD-VAC 08 NOV 2018
12AD2-DRZD-VLC 08 NOV 2018

MARADI

12AD2-DRRM-VAC 08 NOV 2018
12AD2-DRRM-VLC 08 NOV 2018
12AD2-DRRM-IAC-RNP08.pdf 25 APR 2019
12AD2-DRRM-IAC-RNP08-DATA 25 APR
2019
12AD2-DRRM-IAC-RNAV26 08 NOV 2018
12AD2-DRRM-IAC-DATA-RNAV26 08 NOV
2018

NIAMEY / DIORI HAMANI

12AD2-DRRN-ADC 04 NOV 2021
12AD2-DRRN-APDC 04 NOV 2021
12AD2-DRRN-APDC-DATA 04 NOV 2021
12AD2-DRRN-AOC 09R-27L 04 NOV 2021
12AD2-DRRN-AOC 09L-27R 04 NOV 2021
12AD2-DRRN-ARC 05 DEC 2019
12AD2-DRRN-SID-RNAV09R 19 MAY 2022
12AD2-DRRN-SID-RNAV27L 16 JUN 2022
12AD2-DRRN-STAR-RNAV09R 19 MAY
2022
12AD2-DRRN-STAR-RNAV09R-DATA 19
MAY 2022
12AD2-DRRN-STAR-RNAV27I 19 MAY 2022

12AD2-DRRN-STAR-RNAV27L-DATA 19
MAY 2022
12AD2-DRRN-STAR-VORDME09R 19 MAY
2022
12AD2-DRRN-STAR-VORDME27L 19 MAY
2022
12AD2-DRRN-RMAC 05 DEC 2019
12AD2-DRRN-IAC-RNP09R 19 MAY 2022
12AD2-DRRN-IAC-RNP09R-DATA 19 MAY
2022
12AD2-DRRN-IAC-RNP27L 19 MAY 2022
12AD2-DRRN-IAC-RNP27L-DATA 19 MAY
2022
12AD2-DRRN-IAC-RNP09L 19 MAY 2022
12AD2-DRRN-IAC-RNP09L-DATA 19 MAY
2022
12AD2-DRRN-IAC-RNP27R 19 MAY 2022
12AD2-DRRN-IAC-RNP27R-DATA 19 MAY
2022
12AD2-DRRN-IAC-ILSX09R 16 JUN 2022
12AD2-DRRN-IAC-ILSX09R-DATA 16 JUN
2022
12AD2-DRRN-IAC-ILSZ09R 16 JUN 2022
12AD2-DRRN-IAC-VOR09R 19 MAY 2022
12AD2-DRRN-IAC-VOR27L 19 MAY 2022
12AD2-DRRN-VAC 04 NOV 2021
12AD2-DRRN-VLC 04 NOV 2021
12AD2-DRRN-CVFR-01. 04 NOV 2021
12AD2-DRRN-CVFR-02 04 NOV 2021
12AD2-DRRN-ILC 04 NOV 2021

TAHOUA

12AD2-DRRT-VAC 08 NOV 2018
12AD2-DRRT-VLC 08 NOV 2018
12AD2-DRRT-IAC-RNAV06 08 NOV 2018
12AD2-DRRT-IAC-DATA-RNAV06 08 NOV
2018
12AD2-DRRT-IAC-RNAV24 08 NOV 2018
12AD2-DRRT-IAC-DATA-RNAV24 08 NOV
2018

ZINDER

12AD2-DRZR-VAC 10 AUG 2023
12AD2-DRZR-VLC 10 AUG 2023
12AD2-DRZR-ILC 10 AUG 2023
12AD2-DRZR-IAC-RNP05 24 MAR 2022
12AD2-DRZR-IAC-RNP05-DATA 24 MAR
2022
12AD2-DRZR-IAC-RNP23 24 MAR 2022
12AD2-DRZR-IAC-RNP23-DATA 24 MAR
2022
12AD2-DRZR-IAC-VOR05 24 MAR 2022
12AD2-DRZR-IAC-VOR23 24 MAR 2022
12AD2-DRZR-IAC-NDB05 24 MAR 2022
12AD2-DRZR-IAC-NDB23 24 MAR 2022

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**AEROPORT INTERNATIONAL DE CAP
SKIRRING**

13AD2-GOGS-VAC 08 NOV 2018
13AD2-GOGS-IAC-RNAV15 08 NOV 2018

DAKAR / LEOPOLD SEDAR SENGHOR

13AD2-GOY-ADC 05 DEC 2019
13AD2-GOY-APDC 08 NOV 2018
13AD2-GOY-AOC 05 DEC 2019
13AD2-GOY-VAC 08 NOV 2018
13AD2-GOY-VLC 08 NOV 2018
13AD2-GOY-CVFR-01 08 NOV 2018
13AD2-GOY-CVFR-02 08 NOV 2018
13AD2-GOY-ILC 08 NOV 2018

**SAINT LOUIS
TAMBACOUNDA**

13AD2-GOTT-VAC 08 NOV 2018

ZIGUINCHOR

13AD2-GOGG-VAC 08 NOV 2018
13AD2-GOGG-IAC-VOR10 08 NOV 2018
13AD2-GOGG-IAC-VOR28 08 NOV 2018

**AEROPORT INTL BLAISE DIAGNE -
DAKAR - DIASS**

13AD2-GOBD-ADC 24 FEB 2022
13AD2-GOBD-APDC 24 FEB 2022
13AD2-GOBD-ACFT-APDC 24 FEB 2022
13AD2-GOBD-AOC 24 FEB 2022
13AD2-GOBD-ARC 05 DEC 2019
13AD2-GOBD-STAR-VORDME01 06 OCT
2022
13AD2-GOBD-STAR-VORDME19 06 OCT
2022
13AD2-GOBD-RMAC 05 DEC 2019
13AD2-GOBD-RMAC-DATA 05 DEC 2019
13AD2-GOBD-IAC-RNAV01 06 OCT 2022
13AD2-GOBD-IAC-DATA-RNAV01 06 OCT
2022
13AD2-GOBD-IAC-RNAV19 06 OCT 2022
13AD2-GOBD-IAC-DATA-RNAV19 06 OCT
2022
13AD2-GOBD-IAC-ILSX01 06 OCT 2022
13AD2-GOBD-IAC-ILSX01-DATA 06 OCT
2022
13AD2-GOBD-IAC-ILSY01 06 OCT 2022
13AD2-GOBD-IAC-ILSZ01 06 OCT 2022
13AD2-GOBD-IAC-VORY01 06 OCT 2022
13AD2-GOBD-IAC-VORZ01 06 OCT 2022
13AD2-GOBD-IAC-VORY19 06 OCT 2022
13AD2-GOBD-IAC-VORZ19 06 OCT 2022
13AD2-GOBD-VAC 24 FEB 2022
13AD2-GOBD-VLC 24 FEB 2022
13AD2-GOBD-CVFR-01 24 FEB 2022
13AD2-GOBD-CVFR-02 24 FEB 2022
13AD2-GOBD-ILC 24 FEB 2022

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ABECHE

14AD2-FTTC-VAC 08 NOV 2018
14AD2-FTTC-VLC 08 NOV 2018
14AD2-FTTC-CVFR-01 08 NOV 2018
14AD2-FTTC-CVFR-02 08 NOV 2018
14AD2-FTTC-IAC-NDB09 08 NOV 2018
14AD2-FTTC-IAC-NDB27 08 NOV 2018

AMDJARASS

14AD2-FTTA-ADC 30 NOV 2023
14AD2-FTAA-ADC 30 NOV 2023
14AD2-FTAA-AOC-B 30 NOV 2023
14AD2-FTAA-APDC 30 NOV 2023

FAYA-LARGEAU

14AD2-FTTY-VAC 08 NOV 2018
14AD2-FTTY-VLC 08 NOV 2018

MONGO

14AD2-FTTM-VA 08 NOV 2018
14AD2-FTTM-VLC 08 NOV 2018

MOUNDOU

14AD2-FTTD-VAC 08 NOV 2018
14AD2-FTTD-VLC 08 NOV 2018
14AD2-FTTD-ILC 08 NOV 2018



14AD2-FTTD-IAC-NDB04 08 NOV 2018
14AD2-FTTD-IAC-NDB22 08 NOV 2018

N'DJAMENA / HASSAN DJAMOUS

14AD2-FTTJ-ADC 05 DEC 2019
14AD2-FTTJ-APDC 08 NOV 2018
14AD2-FTTJ-AOC 05 DEC 2019
14AD2-FTTJ-ARC 05 DEC 2019
14AD2-FTTJ-STAR-RNAV05 08 NOV 2018
14AD2-FTTJ-STAR-DATA-RNAV05 08 NOV 2018
14AD2-FTTJ-STAR-RNAV23 08 NOV 2018
14AD2-FTTJ-STAR-DATA-RNAV23 08 NOV 2018
14AD2-FTTJ-STAR-VORDME0523 08 NOV 2018
14AD2-FTTJ-RMAC 05 DEC 2019
14AD2-FTTJ-RMAC-DATA 05 DEC 2019
14AD2-FTTJ-IAC-RNAV05 08 NOV 2018
14AD2-FTTJ-IAC-DATA-RNAV05 08 NOV 2018
14AD2-FTTJ-IAC-RNAV23 08 NOV 2018
14AD2-FTTJ-IAC-DATA-RNAV23 08 NOV 2018
14AD2-FTTJ-IAC-RNAV_ILS05 08 NOV 2018
14AD2-FTTJ-IAC-DATA-RNAV_ILS05 08 NOV 2018
14AD2-FTTJ-IAC-ILSY05 08 NOV 2018
14AD2-FTTJ-IAC-ILSZ05 08 NOV 2018
14AD2-FTTJ-IAC-VORY05.pdf 08 NOV 2018
14AD2-FTTJ-IAC-VORZ05.pdf 08 NOV 2018
14AD2-FTTJ-IAC-VORY23.pdf 08 NOV 2018
14AD2-FTTJ-IAC-VORZ23.pdf 08 NOV 2018
14AD2-FTTJ-VAC 08 NOV 2018
14AD2-FTTJ-VLC 08 NOV 2018
14AD2-FTTJ-CVFR-01 08 NOV 2018
14AD2-FTTJ-CVFR-02 08 NOV 2018
14AD2-FTTJ-ILC 08 NOV 2018

PALA

14AD2-FFTP-VAC 08 NOV 2018
14AD2-FFTP-VLC 08 NOV 2018

SARH

14AD2-FTTA-ADC 04 NOV 2021
14AD2-FTTA-IAC-RNAV04 08 NOV 2018
14AD2-FTTA-IAC-RNAV22 08 NOV 2018
14AD2-FTTA-VAC 04 NOV 2021
14AD2-FTTA-VLC 04 NOV 2021
14AD2-FTTA-ILC 04 NOV 2021

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**AEROPORT INTERNATIONAL
GNASSINGBE EYADEMA (AIGE)**

15AD2-DXXX-ADC 05 DEC 2019
15AD2-DXXX-APDC 08 NOV 2018
15AD2-DXXX-AOC 05 DEC 2019
15AD2-DXXX-ARC 05 DEC 2019
15AD2-DXXX-SID04 21 APR 2022
15AD2-DXXX-SID22 21 APR 2022
15AD2-DXXX-STAR-RNAV04 21 APR 2022
15AD2-DXXX-STAR-RNAV04-DATA 21 APR 2022
15AD2-DXXX-STAR-RNAV22 21 APR 2022
15AD2-DXXX-STAR-RNAV22-DATA 21 APR 2022
15AD2-DXXX-STAR-VORDME04 21 APR 2022
15AD2-DXXX-STAR-VORDME22 21 APR 2022

15AD2-DXXX-RMAC 05 DEC 2019
15AD2-DXXX-IAC-RNP04 21 APR 2022
15AD2-DXXX-IAC-RNP04-DATA 21 APR 2022
15AD2-DXXX-IAC-RNP22 21 APR 2022
15AD2-DXXX-IAC-RNP22-DATA 21 APR 2022
15AD2-DXXX-IAC-ILSY22 21 APR 2022
15AD2-DXXX-IAC-ILSY22-DATA 21 APR 2022
15AD2-DXXX-IAC-ILSZ22 21 APR 2022
15AD2-DXXX-IAC-VOR04 21 APR 2022
15AD2-DXXX-IAC-VOR22 21 APR 2022
15AD2-DXXX-VAC 08 NOV 2018
15AD2-DXXX-VLC 08 NOV 2018
15AD2-DXXX-CVFR-01 08 NOV 2018
15AD2-DXXX-CVFR-02 08 NOV 2018
15AD2-DXXX-ILC 08 NOV 2018

**AEROPORT INTERNATIONAL DE
NIAMTOUGOU (AIN)**

15AD2-DXNG-ADC 07 OCT 2021
15AD2-DXNG-AOC 07 OCT 2021
15AD2-DXNG-IAC-RNP03 08 NOV 2018
15AD2-DXNG-IAC-DATA-RNP03 08 NOV 2018
15AD2-DXNG-IAC-RNP21 08 NOV 2018
15AD2-DXNG-IAC-DATA-RNP21 08 NOV 2018
15AD2-DXNG-IAC-RNAV_ILS03 08 NOV 2018
15AD2-DXNG-IAC-DATA-RNAV_ILS03 08 NOV 2018
15AD2-DXNG-IAC-ILSY03 08 NOV 2018
15AD2-DXNG-IAC-ILSZ03 08 NOV 2018
15AD2-DXNG-IAC-VORY03 08 NOV 2018
15AD2-DXNG-IAC-VORZ03 08 NOV 2018
15AD2-DXNG-IAC-VORY21 08 NOV 2018
15AD2-DXNG-IAC-VORZ21 08 NOV 2018
15AD2-DXNG-VAC 07 OCT 2021
15AD2-DXNG-VLC 07 OCT 2021
15AD2-DXNG-ILC 07 OCT 2021

SANSANNE-MANGO

15AD2-DXMG-VAC 08 NOV 2018
15AD2-DXMG-VLC 08 NOV 2018

SOKODE

15AD2-DXSK-VAC 08 NOV 2018
15AD2-DXSK-VLC 08 NOV 2018

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MORONI/PRINCE SAID IBRAHIM

16AD2-FMCH-ADC 27 JAN 2022
16AD2-FMCH-AOC 27 JAN 2022
16AD2-FMCH-ARC 05 DEC 2019
16AD2-FMCH-STAR-RNAV0220 08 NOV 2018
16AD2-FMCH-STAR-RNAV02 08 NOV 2018
16AD2-FMCH-RMAC 14 JUL 2022
16AD2-FMCH-IAC-RNAV02 08 NOV 2018
16AD2-FMCH-IAC-ILSX02 08 NOV 2018
16AD2-FMCH-IAC-ILSY02 08 NOV 2018
16AD2-FMCH-IAC-ILSZ02 08 NOV 2018
16AD2-FMCH-IAC-VOR02 08 NOV 2018
16AD2-FMCH-IAC-VPT20 08 NOV 2018
16AD2-FMCH-VAC 27 JAN 2022
16AD2-FMCH-VLC 27 JAN 2022
16AD2-FMCH-ILC 27 JAN 2022

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BISSAU / OSVALDO VIEIRA

17AD2-GGOV-ADC 16 JUL 2020
17AD2-GGOV-APDC 16 JUL 2020
17AD2-GGOV-AOC 16 JUL 2020
17AD2-GGOV-ARC 16 JUL 2020
17AD2-GGOV-STAR-VORDME0321 06 OCT 2022
17AD2-GGOV-RMAC 05 DEC 2019
17AD2-GGOV-IAC-RNAV03 06 OCT 2022
17AD2-GGOV-IAC-RNAV21 06 OCT 2022
17AD2-GGOV-IAC-ILSX21 06 OCT 2022
17AD2-GGOV-IAC-ILSY21 06 OCT 2022
17AD2-GGOV-IAC-ILSZ21 06 OCT 2022
17AD2-GGOV-IAC-VORY03 06 OCT 2022
17AD2-GGOV-IAC-VORZ03 06 OCT 2022
17AD2-GGOV-IAC-VORY21 06 OCT 2022
17AD2-GGOV-IAC-VORZ21 06 OCT 2022
17AD2-GGOV-VAC 16 JUL 2020
17AD2-GGOV-VLC 16 JUL 2020
17AD2-GGOV-ILC 16 JUL 2020



GEN 2.4 INDICATEURS D'EMPLACEMENT
LOCATION INDICATORS

EMPLACEMENT LOCATION	INDICATEUR INDICATOR	EMPLACEMENT LOCATION	INDICATEUR INDICATOR
ABECHE	FTTC		
AM-TIMAN	FTTN+		
AMDJARASS	FTAA+		
ATI	FTTI		
BARDAI / ZOUGRA	FTTZ+		
BILTINE	FTTE		
BOKORO	FTTK+		
BOL / BERIM	FTTL		
BONGOR	FTTB		
BOUSSO	FTTS+		
FADA	FTTF+		
FAYA-LARGEAU	FTTY		
GOZ-BEIDA	FTTG		
LAI	FTTH		
MAO	FTTU		
MONGO	FTTM+		
MOUNDOU	FTTD		
N'DJAMENA (FIC,COM)	FTTT		
N'DJAMENA / HASSAN DJAMOUS	FTTJ		
N'DJAMENA/VILLE	FTTV		
PALA	FTTP		
SARH	FTTA		
ZOUAR	FTTR+		

+ Station non reliée au RSFTA / Station not connected to the AFTN

INDICATEUR INDICATOR	EMPLACEMENT LOCATION	INDICATEUR INDICATOR	EMPLACEMENT LOCATION
FTAA+	AMDJARASS		
FTTA	SARH		
FTTB	BONGOR		
FTTC	ABECHE		
FTTD	MOUNDOU		
FTTE	BILTINE		
FTTF+	FADA		
FTTG	GOZ-BEIDA		
FTTH	LAI		
FTTI	ATI		
FTTJ	N'DJAMENA / HASSAN DJAMOUS		
FTTK+	BOKORO		
FTTL	BOL / BERIM		
FTTM+	MONGO		
FTTN+	AM-TIMAN		
FFTP	PALA		
FTTR+	ZOUAR		
FTTS+	BOUSSO		
FTTT	N'DJAMENA (FIC,COM)		
FTTU	MAO		
FTTV	N'DJAMENA/VILLE		
FTTY	FAYA-LARGEAU		
FTTZ+	BARDAI / ZOUGRA		

+ Station non reliée au RSFTA / Station not connected to the AFTN



GEN 2.5 LISTE DES AIDES DE RADIO NAVIGATION
LIST OF RADIO NAVIGATION AIDS

INDICATIF ID	NOM DE LA STATION STATION NAME	INSTALLATION FACILITY	UTILISATION PURPOSE
FRA	FRANCEVILLE/M'VENGUE	ILS-DME	A
FRV	FRANCEVILLE	VOR-DME	AE
KL	KOULAMOUTOU	NDB	A
KO	MAKOKOU	NDB	A
LB	LAMBARENE	NDB	A
LB	LIBREVILLE/LEON M'BA	ILS-DME	A
LN	LIBREVILLE	NDB	A
LV	LIBREVILLE	DVOR-DME	AE
ML	MOUILA	NDB	A
OB	OMBOUE	NDB	A
OE	OYEM	VOR-DME	A
OY	OYEM	NDB	A
PG	PORT GENTIL	DVOR-DME	AE
PO	PORT-GENTIL	ILS-DME	A
TC	TCHIBANGA	NDB	AE

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GEN 2.5 LISTE DES AIDES DE RADIO NAVIGATION
LIST OF RADIO NAVIGATION AIDS

INDICATIF ID	NOM DE LA STATION STATION NAME	INSTALLATION FACILITY	UTILISATION PURPOSE
DS	DAKAR-DIASS/BLAISE DIAGNE	DVOR-DME	A
IDS	AEROPORT INTL BLAISE DIAGNE - DAKAR - DIASS	ILS-DME	A
SDS	DAKAR / L.S SENHOR	NDB	A
TD	TAMBACOUNDA	VOR	AE
YF	DAKAR / LEOPOLD SEDAR SENGHOR	ILS-DME	A
ZG	ZIGUINCHOR	VOR	A

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ENR 1.8
ATM CONTINGENCY PLAN FOR DOUALA ACC

1. Objectives

- 1.1. This contingency plan contains arrangements to ensure the continued safety of air navigation in the event of partial or total disruption of Air Traffic Services (ATS) within the DOUALA Upper Traffic Area and is in accordance with ICAO Annex 11 - Air Traffic Services Chapter 2, paragraph 2.30, and Attachment C.
- 1.2. This Contingency Plan is designed to accommodate the flow of international air traffic with a minimum of disturbance for aircraft transiting the airspace under the responsibility of DOUALA ACC. Routes and flight levels are limited.

2. Air Traffic Management

2.1. Air Traffic Services Responsibilities

- 2.1.1. Tactical ATC considerations during periods of over-loading may require re-assignment of routes or portions thereof
- 2.1.2. Alternative routes are designed to maximize the use of existing ATS route structures and communications, navigation and surveillance services.
- 2.1.3. In the event that ATS cannot be provided within the DOUALA UTA, ASECNA shall publish not less than 48 hours prior, if practicable, the corresponding NOTAM indicating the following:
 - a) Time and date of the beginning of the contingency measures;
 - b) Airspace available for landing and over flying traffic and airspace to be avoided;
 - c) Details of the facilities and services available or not available and any limits on ATS provision (e.g. ACC, APP, TWR and FIS), including an expected date of restoration of services if available;
 - d) Information on the provisions made for alternative services;
 - e) ATS contingency routes;
 - f) Procedures to be followed by neighboring ATS units;
 - g) Procedures to be followed by pilots; and
 - h) Any other details with respect to the disruption and actions being taken that aircraft operators may find useful.
- 2.1.4. In the event that the DOUALA ACC is unable to issue the NOTAM, ASECNA will take action to issue the NOTAM of contingency measures upon notification by DOUALA ACC.

2.2. Separation

- 2.2.1. Separation criteria shall be applied in accordance with the Procedures for Air Navigation Services-Air Traffic Management (Doc 4444) and the Regional Supplementary Procedures (Doc 7030).

2.3. Level restriction

- 2.3.1. Where possible, aircraft on long haul international flights shall be given priority with respect to cruising levels.

2.4. Other measures

- 2.4.1. Other measures related to the disruption of air traffic services and the implementation of the contingency scheme within the DOUALA UTA may be taken as follows:
 - a) Suspension of all VFR Operations;
 - b) Delay or suspension of general aviation IFR operations; and;
 - c) Delay or suspension of commercial IFR operations.

3. Transition to contingency scheme

- 3.1. During times of uncertainty when disruption of air traffic services seems possible, aircraft operators should be prepared for a possible change in routing while en-route, familiarisation of the alternative routes outlined in the contingency scheme as well as what may be promulgated by ASECNA via NOTAM or AIC.
- 3.2. In the event of a disruption of air traffic services that has not been promulgated, DOUALA ACC will, if possible, broadcast to all aircraft in the DOUALA UTA airspace that is affected by the disruption and any further instructions.
- 3.3. It is recognised that when a disruption of air traffic services or airport closure occurs and is promulgated, operators may have different requirements as to their alternative routings. DOUALA ACC will evaluate all requests to ensure safety is maintained.

4. Transfer of control, coordination and delegation of responsibility in the provision of air traffic services within the DOUALA UTA

- 4.1. The transfer of control and communication will be at the common ACC boundaries or as previously agreed upon between:

- | | | |
|-----------|---|-------------------|
| a) DOUALA | - | Brazzaville ACCs; |
| b) DOUALA | - | Libreville ACCs; |
| c) DOUALA | - | Kano ACCs |

4.2. The responsibility for ensuring the provision of air traffic services within DOUALA UTA is transferred to Brazzaville ACC for traffic operating along contingency ATS routes:

- BZCR9: UR986 (TAPEK-TAKUM)
- BZCR6 : UA604 (OBUDU-DLA), UG 861 (DLA-ARASI)
- BZCR8 : UG857 (PONDO-DLA), UB737(DLA-USMOL)
- BZCR1 : UR984 (RALIN-DLA-NLY-ARKEV)
- BZCR12 : UQ583 (ARASI-TAPEK)

Brazzaville ACC means of communication : CPDLC (BZVCAYA) or VHF frequencies (127.1, 128.9) or HF frequencies (5493-6559-8873-8903-13294) will be used.

4.3. DOUALA ACC will also review current coordination requirements in light of contingency operations or short notice of disruption of air traffic services.

5. Contingency ATS Route Network

5.1. ATS Routes to be temporarily unavailable

The following ATS routes will be temporarily unavailable for over flight traffic:

- UL 433 - KEMOX-IKROP
- UL 434 - DESAM-YAOUNDE
- UH 455 - KEMOX – ARASI
- UA 604 - DLA-VOLMU
- UQ 584 - GEBRO- DLA- KEMOX

5.2. NORTHBOUND/SOUTHBOUND TRAFFIC

The northbound/southbound traffic will route via the following contingency routes and in accordance with the flight level allocation scheme indicated in order to provide strategic separation in the FIR:

- BZCR6 :** - **UA 604** (OBUDU–DOUALA)
Northbound: flight level 340 and 360
Southbound: flight level 330, 350 and 370

5.3. NORTH-WEST BOUND/SOUTH- EAST BOUND TRAFFIC

The north-west bound/south-east bound traffic will route via the following contingency routes and in accordance with the flight level allocation scheme indicated in order to provide strategic separation in the FIR

- BZCR9 :** - **UR 986** (TAPEK –TAKUM)
North-west bound: flight level 260
South-east bound: flight level 250 and 350
- BZCR6 :** - **UG 861** (DOUALA –ARASI)
North-west bound: flight level 340 and 360
South-east bound: flight level 330, 350 and 370

5.4. NORTH-EAST BOUND/SOUTH- WEST BOUND TRAFFIC

The north-east bound/south-west bound traffic will route via the following contingency routes and in accordance with the flight level allocation scheme indicated in order to provide strategic separation in the FIR:

- BZCR8 :** - **UG 857** (DOUALA – PONDO)
North-east bound: flight levels 270, 290, 310 and 390
South-west bound: flight level 280 and 320
- BZCR8 :** - **UB 737** (DOUALA – IPOVO)
North-east bound: flight level 270 and 310
South-west bound : flight level 280 and 320
- BZCR12 :** - **UQ 583** (ARASI-TAPEK)
North-east bound: flight level 410 and 450
South-west bound: flight level 380 and 430

5.5. EASTBOUND/WESTBOUND TRAFFIC

The eastbound/westbound traffic will route via the following contingency routes and in accordance with the flight level allocation scheme indicated in order to provide strategic separation in the FIR:

- BZCR1 :** - **UR 984** (RALIN – DLA-NLY- ARKEV)
Eastbound: flight level 290 and 390
Westbound: flight level 300 and 400



5. TRANSITION TO CONTINGENCY SCHEME

During times of uncertainty when disruption of air traffic services seems possible, aircraft operators should be prepared for a possible change in routing while en-route, familiarization of the alternative routes outlined in the contingency scheme as well as what may be promulgated by GABONESE CIVIL AVIATION AUTHORITY (ANAC) VIA NOTAM.

In the event of a disruption of air traffic services that has not been promulgated, Libreville ACC will, if possible, broadcast to all aircraft in the Libreville UTA, airspace that is affected by the disruption and any further instructions.

It is recognized that when a disruption of air traffic services or airport closure occurs and is promulgated, operators may have different requirements as to their alternative routings. Libreville ACC will evaluate all requests to ensure safety is maintained.

6. TRANSFER OF CONTROL, COORDINATION AND DELEGATION OF RESPONSIBILITY IN THE PROVISION OF AIR TRAFFIC SERVICES WITHIN THE LIBREVILLE UTA

6.1. The transfer of control and communication will be at the common Libreville ACC boundaries or as previously agreed upon between:

- a) LIBREVILLE - BRAZZAVILLE ACC;
- b) LIBREVILLE - DOUALA ACC;
- c) LIBREVILLE - SAO-TOME ACC;
- d) LIBREVILLE - ACCRA ACC;
- e) LIBREVILLE - LAGOS ACC.

6.2. The responsibility for ensuring the provision of air traffic services within Libreville UTA is transferred to BRAZZAVILLE and DOUALA according to the following considerations:

- a) Brazzaville ACC will ensure the provision of air traffic services for traffic operating in airspace or along the two contingency ATS routes on the East-West and South-North part of the FIR:
 - BZCR5 (UG 856)
 - BZCR6 (UG861)
- b) Douala ACC will ensure the provision of air traffic services for traffic operating in airspace or along the rest of the following contingency ATS routes of the FIR:
 - BZCR8 (UB737).

7. CONTINGENCY ATS ROUTES NETWORK

In the event of disruption of air traffic services within Libreville UTA, aircraft operators should file flight plans using alternative contingency routes listed in the scheme below:

Note: ATS routes not included in the table below are temporarily unavailable.

Routes Code	Routes name	FIR involved	Flight Levels assignment	Entry/Exit point	Communications means
BZCR5	UG 856	Brazzaville FIR	North-west bound: FL300 and 400 South-east bound: FL290 and 390	BIPIV/MOVOD	Brazzaville ACC : CPDLC et HF: 8873-8903-13294-5493-8894
BZCR6	UG 861	Brazzaville FIR	North-west bound: FL340 and 360 South-east bound: FL330, 350 and 370	MOVOD/ARASI	Brazzaville ACC : CPDLC et HF: 8873-8903-13294-5493-8894
BZCR8	UB 737	Brazzaville FIR	North-east bound: FL270 and 310 South-west bound: FL280 and FL320	IPOVO/USMOL	DOUALA ACC : VHF 129.5MHz

8. PILOT AND OPERATOR PROCEDURES

8.1. Filing of flight plans

Flight plan requirements detailed in ASECNA AIP continue to apply during contingency operations, except where modified by the contingency ATS routes and FLAS specified by ATC and/or in NOTAM.

8.2. Overflight approval

Aircraft operators must obtain overflight approval from the GABONESE CIVIL AVIATION AUTHORITY (ANAC) prior to operating flights through the Libreville UTA. During the period of activation of this Contingency Plan the adjacent ATS UNIT will provide normal ATC clearances for aircraft to enter the Libreville UTA. The adjacent ATS UNIT is not responsible for coordination or provision of overflight clearances for Libreville UTA. The operator must ensure any required overflight approval has been obtained.

8.3. Pilots operating procedures

All aircraft transiting through Libreville UTA shall strictly comply with the following:

- a) Maintain contact with BRAZZAVILLE ACC and DOUALA ACC according to the paragraph 4 of this contingency plan;
- b) Operate along or as close as possible to the centerline of the assigned contingency air traffic route;
- c) Reach the flight level assigned by BRAZZAVILLE ACC and DOUALA for the transit of Libreville UTA at least ten (10) minutes before entering Libreville UTA;
- d) Maintain the flight level assigned by the last adjacent ACC while operating within Libreville UTA, unless an emergency or flight safety reason exists;
- e) Maintain a continuous listening watch on the VHF frequency 126.9 MHz, and transmit blind in English on 126.9 MHz position reports five (5) minutes before and overhead each compulsory reporting point established along the respective air traffic route;
- f) Include in the last position report to the competent adjacent ACC the estimated time of arrival over the entry and exit points of Libreville UTA. Whenever emergencies and/or flight safety reasons make it impossible to maintain the flight level assigned for the transit of Libreville UTA, climb or descend well to the right of the centerline of the air traffic route being flown but remaining within Libreville UTA, and to inform immediately, by blind broadcast on the VHF frequency 126.9 MHz, all other aircraft likely to be affected by transmitting a relevant;
- g) emergency level change message (comprising the aircraft call-sign, the aircraft position, the flight levels being left and crossed, etc.);
- h) Contact the competent adjacent ACC as soon as possible and at least ten (10) minutes before the estimated time of arrival over the relevant exit point of Libreville UTA to obtain clearance for entering the adjacent airspace concerned;
- i) Display navigation and anti-collision lights always during the transit of contingency airspace.
- j) The application of SLOP is strongly encouraged;
- k) Transponders should be set on a discrete code assigned by ATC or select code A2000 if ATC has not assigned a code.

COMMUNICATION PROCEDURES

8.4. Degradation of Communication - Pilot Radio Procedures

8.4.1. When operating within the contingency airspace, pilots should use normal radio communication procedures.

8.4.2. In the absence of communication with ATC, the pilot should continue to make routine position reports on the assigned frequency and also broadcast positions in accordance with the TIBA procedures.

9. PUBLIC HEALTH EMERGENCIES

- 9.1. The Libreville ACC, upon receipt of information from a pilot or another ATS unit, regarding suspected case(s) of communicable disease, or other public health risk, on board the aircraft, shall forward a message as soon as possible to the ATS unit serving the destination / departure, unless procedures exist to notify the appropriate authority designated by the State and the aircraft operator or its designated representative.
- 9.2. To avoid misunderstanding that may result in inappropriate reaction from the stakeholders including air operators, information provided by the Health Sanitary Board (HSB) should be obtained in written form and relayed to air operators in written form. Where communication means do not enable relay of written text, the information shall be read verbatim.

10. VOLCANIC ASH CONTINGENCY PLAN (VACP)

- 10.1. If a volcanic ash cloud is reported or anticipated in Libreville UTA, Libreville ACC should take the following actions:
 - a) Immediately transmit relevant information to the flight crews of potentially affected aircraft to ensure that they are aware of the current position and expected position of the cloud and the concerned flight levels;
 - b) Respond to requests for a course change or a level change as far as possible;
 - c) Propose a route change to avoid or leave the reported or predicted areas of presence of the volcanic ash cloud when requested by the pilot or as the controller deems it necessary, and;
 - d) Where possible, request a special flight report when the flight route enters or anticipates the planned volcanic ash cloud and transmit the report to the appropriate agencies.
- 10.2. When a flight crew informs Libreville ACC that they have inadvertently entered a cloud of volcanic ash, Libreville UTA should:
 - a) Respect measures applicable to an aircraft in an emergency, and;
 - b) Alter the assigned route or level only if the pilot requests so or if the airspace or traffic conditions require it.

11. INTERCEPTION OF CIVIL AIRCRAFT

- 11.1. Pilots need to be aware that in light of current international circumstances, a contingency routing requiring aircraft to operate off of normal traffic flows, could result in an intercept by military aircraft. Aircraft operators must therefore be familiar with international intercept procedures contained in ICAO Annex 2- Rules of the Air, Paragraph 3.8 and Appendix 2, Sections 2 and 3.
- 11.2. Pilots need to continuously listen out on the VHF emergency frequency 121.5MHz and should operate their transponders always during flight, regardless of whether the aircraft is within or outside airspace where secondary surveillance radar (SSR) is used for ATS purposes. Transponders should be set on a discreet code assigned by ATC or select code A2000 if ATC has not assigned a code.



- 11.3. If an aircraft is intercepted by another aircraft, the pilot shall immediately:
- Follow the instructions given by the intercepting aircraft, interpreting and responding to visual signals in accordance with international procedures;
 - If possible, notify appropriate ATS Unit;
 - Set transponder code to 7700, unless otherwise instructed by the appropriate ATS unit;
 - Attempt to establish radio communication with the intercepting aircraft by making a general call on the emergency frequency 121.5MHz; and
 - If instructions are received by radio from any source that conflict with those given by the intercepting aircraft, the intercepted aircraft, shall request immediate clarification while continuing to comply with the instructions given by the intercepting aircraft.

12. SEARCH AND RESCUE

- 12.1. ATS units involved in this contingency plan are required to assist any distressed aircraft of which they are aware and which flies over a contingency space.
- 12.2. The center that receives a distress message from an aircraft shall send the necessary messages (INCERFA, ALERFA or DETRESFA) to all authorities in the SAR service involved in this plan including the SAR authority of the center which is in contingency situation.
- 12.3. Each SAR authority shall assist as necessary its neighbor as requested in their LoA. Contact details of its SAR Authority are provided in paragraph 15.3 below.

13. PLAN TESTING AND REVIEW

- 13.1. The plan shall be tested by ATC simulation at least once per year
- 13.2. A full review shall be conducted at least once per three years.

14. IMPLEMENTATION OF THE PLAN

The provisions of this contingency plan shall be promulgated by NOTAM to be issued by ASECNA in coordination with ICAO and the concerned States.

15. ALL CONTINGENCIES UNITS

15.1. CENTRAL COORDINATING COMMITTEE

N°	Member Title	Telephone	Email
1	Director of Civil Aviation Authority (ANAC)	(+241) (0) 11 44 56 58 (+241) (0) 11 44 56 54	Contact@anac-gabon.com
2	Airport general Director (GSEZ)	(+241) (0) 62 00 26 40	igor.simard@arisenet.com
3	Air Navigation Director of ASECNA (Head quarter)	+221 78 303 22 33	guelpinaceu@asecna.org
4	Representative of Gabon ASECNA	(+241)(0)65027400	SOKIBRI@asecna.org

ASECNA HEADQUARTERS (CRISIS ROOM)

N°	Member Title	Telephone	Email
1	Director of Operations	c+221 77 332 15 93 +221 338 69 56 51	guelpinaceu@asecna.org

15.2 ATM OPERATIONAL CONTINGENCY GROUP

N°	Member Title	Telephone	Email
1	Commander	(+241) (0) 65 18 23 06	ondouondonghab@asecna.org
2	In charge of en-route control	(+241) (0) 65 40.61.44	bimboundzabouassabru@asecna.org
3	Metrological service manager	(+241) (0) 65 06 39 33,	mbozokuendepouejer@asecna.org
4	Maintenance service manager	(+241)(0)65997857	MOMBOJEA@asecna.org
5	Telecommunication service manager	(+241) (0) 65 18 22 62	LINDZONDZOBABLEMBOUame@asecna.org
6	Aeronautical service manager	(+241) (0) 65 65 51 10	NSECAKPOMar@asecna.org
7	ACC manager	(+241) (0) 65 54 39 20	modjjekouwil@asecna.org
8	Tower manager	(+241) (0) 65 40 61 46	NZIENGUISyl@asecna.org

15.3 SEARCH AND RESCUE POINT OF CONTACT

N°	Center	Focal Point	Telephone
1	Libreville	Army focal point 1	(+241) (0) 11 73 43 63
2		Army focal point 2	(+241) (0) 11 73 24 75

PART II: LEVEL 3 CONTINGENCY (REQUIRING AVOIDANCE OF AFFECTED AIRSPACE)

UNAVAILABILITY OF LIBREVILLE UTA

OBJECTIVES

In the event that the total disruption of Air Traffic Services (ATS) within Libreville UTA does not allow to fly in the airspace affected, users are invited to circumvent the airspace.

Users may also choose to avoid the LIBREVILLE UTA by flight planning via any alternative ATS routes provided by neighboring ATS unit of Brazzaville ACC or Douala ACC.

Users are advised to circumnavigate Libreville airspace and try to establish contact with the ATS unit responsible for the provision of service as soon as possible according to the route structure below.

State	Avoidance Routing	FIR concerned
Gabon	DLA-NLY-UL434-AMPIL-UG727-BZ-VCA- ARAKI-UA400-STM-UB737-DLA	Brazzaville FIR (Douala, Brazzaville, Sao-Tomé); Luanda FIR ; Accra FIR (Sao-Tomé)

EXAMPLE:

Flights from North to South : Join VOR DLA (Douala) and follow instructions from Douala ACC

Flights from East to West: Join the point UTAKA on ATS route UT143 and follow instructions from Brazzaville ACC.



- h) The ATS units responsible prior to aircraft entering the NDJAMENA UIR will inform aircraft that they must establish contact with the first ATS Unit after transiting NDJAMENA UIR not less than 10 minutes before the estimated time of entry to the next airspace.

5. TRANSITION TO CONTINGENCY SCHEME

During times of uncertainty when disruption of air traffic services seems possible, aircraft operators should be prepared for a possible change in routing while en-route, familiarization of the alternative routes outlined in the contingency scheme as well as what may be promulgated by ASECNA via NOTAM.

In the event of a disruption of air traffic services that has not been promulgated, NDJAMENA ATS Units will, if possible, broadcast to all aircraft in the NDJAMENA UIR, airspace that is affected by the disruption and that further instructions will follow.

It is recognized that when a disruption of air traffic services or airport closure occurs and is promulgated, operators may have different requirements as to their alternative routings. ATS Units in charge of the affected airspace will evaluate all requests to ensure safety is maintained.

6. TRANSFER OF CONTROL, COORDINATION AND DELEGATION OF RESPONSIBILITY IN THE PROVISION OF AIR TRAFFIC SERVICES WITHIN NDJAMENA UIR

6.1. The transfer of control and communication will be at the common boundaries or as previously agreed upon between :

- a) N'DJAMENA – Tripoli ACCS;
- b) N'DJAMENA – Niamey ACCS;
- c) N'DJAMENA – Brazzaville ACCS ;
- d) N'DJAMENA –Khartoum ACCS and
- e) N'DJAMENA –Kano ACCS

6.2 The responsibility for ensuring the provision of air traffic services within NDJAMENA UIR is transferred to Brazzaville Control and Niamey Control according to the following considerations:

- a) Niamey ACC will ensure the provision of air traffic services for traffic operating in airspace or along contingency ATS routes north of the 14th north parallel.
- b) Brazzaville ACC will ensure the provision of air traffic services for traffic operating in airspace or along the contingency ATS routes south of the 14th north parallel.
- c) N'DJAMENA ACC will also review current coordination requirements in light of contingency operations or short notice of disruption of air traffic services.
- d) Niamey ACC and Brazzaville ACC must ensure that flights northbound and southbound on routes UM998 and UG727 are appropriately coordinated with Kano ACC to ensure longitudinal separation from the northern N'djamena FIR and Niamey FIR boundary all the way to the southern N'djamena FIR and Brazzaville FIR boundary and vice versa.

7. CONTINGENCY ATS ROUTES NETWORK

In the event of disruption of air traffic services within NDJAMENA UIR, aircraft operators should file flight plans using alternative contingency routes listed in the scheme below:

Note: ATS routes not included in the table below are temporarily unavailable.

Contingency routes code	Routes name and Entry/Exit points	FIR Involved	Flight level allocation scheme	Communication Means
NDCR1	UG858: DEKTU – RAKOM	DRRR	southwest bound: flight level 320-340 northeast bound: flight level 350-390	HF 8903-8873 and CPDLC if applicable
NDCR2	UR778: SABSI-TONBA	DRRR HLLL	northeast bound: flight level 290-350 southwest bound: flight level 280-340	
NDCR3	UG660: GENEI-KELAK	FCCC HSSS DNKK	westbound: flight level 340-360 eastbound: flight level 290- 350-430	
NDCR4	UG655/UM215: GARIN-ONUUDA	FCCC DRRR HLLL	Northbound: flight level 340-360 southbound : flight level 330-370	
NDCR5	UM731/UA607: DIR-RULDO	DRRR FCCC	northbound: flight level 300-380 southbound: flight level 310-370	
NDCR6	UG727 : TJN - DEKTU	FCCC DNKK DRRR	northbound: flight level 260-360-400 southbound: flight level 330-410	
NDCR7	UA410: ONUUDA-KAFIA	HSSS FCCC	northeast bound: flight level 270-290-310-390 southwest bound: flight level 280-320	
NDCR8	UB730 : DIR-RAKOM	DRRR	Northbound : flight level 300-380 southbound : flight level 310-370	
NDCR9	UG857: PONDO - FL	FCCC	southwest bound: flight level 280-320 northeast bound: flight level 270-390	
NDCR10	UB736: MONAN-ETRIS	HSSS FCCC DNKK	westbound: flight level 260-340-430 eastbound: flight level 290-350-450	

8 . PILOT AND OPERATOR PROCEDURES

8.1 Filing of flight plans

Flight plan requirements detailed in ASECNA AIP continue to apply during contingency operations, except where modified by the contingency ATS routes and FLAS specified by ATC and/or in NOTAM.

8.2 Overflight approval

Aircraft operators must obtain overflight approval from Chad Civil Aviation Authority prior to operating flights through the NDJAMENA UIR. During the period of activation of this Contingency Plan, the adjacent ATS Units will provide normal ATC clearances for aircraft to enter NDJAMENA UIR. The adjacent ATS Unit is not responsible for coordination or provision of overflight clearances for the NDJAMENA UIR. The operator must ensure any required overflight approval has been obtained.

8.3 Pilots operating procedures

- a) All aircraft transiting through NDJAMENA UIR shall strictly comply with the following :
- b) Maintain contact with Brazzaville Control or Niamey Control according to the paragraph 4 of this contingency plan.
- c) Operate along or as close as possible to the centerline of the assigned contingency air traffic route.
- d) Reach the flight level assigned by Brazzaville Control or Niamey Control for the transit of NDJAMENA UIR at least ten (10) minutes before entering NDJAMENA UIR.
- e) Maintain the flight level assigned by the last adjacent ACC while operating within NDJAMENA UIR, unless an emergency or flight safety reason exists.
Maintain a continuous listening watch on the VHF frequency 126.9 MHz, and transmit blind in English on 126.9 MHz position reports five (5) minutes before and overhead each compulsory reporting point established along the respective air traffic route.



- f) Include in the last position report to the competent adjacent ACC the estimated time of arrival over the entry and exit points of NDJAMENA UIR.
- g) Whenever emergencies and/or flight safety reasons make it impossible to maintain the flight level assigned for the transit of NDJAMENA UIR, climb or descend well to the right of the centerline of the air traffic route being flown but remaining within NDJAMENA UIR, and to inform immediately, by blind broadcast on the VHF frequency 126.9 MHz, all other aircraft likely to be affected by transmitting a relevant emergency level change message (comprising the aircraft call-sign, the aircraft position, the flight levels being left and crossed, etc.).
- h) Contact the competent adjacent ACC as soon as possible and at least ten (10) minutes before the estimated time of arrival over the relevant exit point of NDJAMENA UIR to obtain clearance for entering the adjacent airspace concerned.
- i) Display navigation and anti-collision lights always during the transit of contingency airspace.
- j) The application of SLOP is strongly encouraged.
- k) Transponders should be set on a discrete code assigned by ATC or select code A2000 if ATC has not assigned a code.

COMMUNICATION PROCEDURES

8.4 Degradation of Communication - Pilot Radio Procedures

- 8.4.1 When operating within the contingency airspace, pilots should use normal radio communication procedures.
- 8.4.2 In the absence of communication with ATC, the pilot should continue to make routine position reports on the assigned frequency and broadcast positions in accordance with the TIBA procedures.

9. PUBLIC HEALTH EMERGENCIES

- 9.1 NDJAMENA ACC, upon receipt of information from a pilot or another ATS unit, regarding suspected case(s) of communicable disease, or other public health risk, on board the aircraft, shall forward a message as soon as possible and using the most expeditious means of communication, to the ATS unit serving the destination / departure, unless procedures exist to notify the appropriate authority designated by the state of Chad and the aircraft operator or its designated representative.
- 9.2 To avoid misunderstanding that may result in inappropriate reaction from the stakeholders including air operators, information provided by the Health Sanitary Board (HSB) should be obtained in written form and relayed to air operators in written form. Where communication means do not enable relay of written text, the information shall be read verbatim.

10. VOLCANIC ASH CONTINGENCY PLAN (VACP)

- 10.1 If a volcanic ash cloud is reported or anticipated in NDJAMENA UIR, NDJAMENA ACC should take the following actions:
 - a) Immediately transmit relevant information to the flight crews of potentially affected aircraft to ensure that they are aware of the current position and expected position of the cloud and the concerned flight levels ;
 - b) Respond to requests for a course change or a level change as far as possible ;
 - c) Propose a route change to avoid or leave the reported or predicted areas of presence of the volcanic ash cloud when requested by the pilot or as the controller deems it necessary ; and
 - d) Where possible, request a special flight report when the flight route enters or anticipates the planned volcanic ash cloud and transmit the report to the appropriate agencies.
- 10.2 When a flight crew informs NDJAMENA ACC that they have inadvertently entered a cloud of volcanic ash, NDJAMENA ACC should:
 - a) Respect measures applicable to an aircraft in an emergency, and
 - b) Alter the assigned route or level only if the pilot requests so or if the airspace or traffic conditions require it.

11. INTERCEPTION OF CIVIL AIRCRAFT

- 11.1 Pilots need to be aware that in light of current international circumstances, a contingency routing requiring aircraft to operate off of normal traffic flows, could result in an intercept by military aircraft. Aircraft operators must therefore be familiar with international intercept procedures contained in ICAO Annex 2-Rules of the Air Paragraph 3.8 and Appendix 2, Sections 2 and 3.
- 11.2 Pilots need to continuously listen out on the VHF emergency frequency 121.5 MHz and should operate their transponders always during flight, regardless of whether the aircraft is within or outside airspace where secondary surveillance radar (SSR) is used for ATS purposes. Transponders should be set on a discrete code assigned by ATC or select code A2000 if ATC has not assigned a code.
- 11.3 If an aircraft is intercepted by another aircraft, the pilot shall immediately:
Follow the instructions given by the intercepting aircraft, interpreting and responding to visual signals in accordance with international procedures; If possible, notify appropriate ATS Unit;
Set transponder code to 7700, unless otherwise instructed by the appropriate ATS unit;
Attempt to establish radio communication with the intercepting aircraft by making a general call on the emergency frequency 121.5 MHz; and If instructions are received by radio from any source that conflict with those given by the intercepting aircraft, the intercepted aircraft, shall request immediate clarification while continuing to comply with the instructions given by the intercepting aircraft.

12. SEARCH AND RESCUE

- 12.1 Brazzaville ACC and Niamey ACC are required to assist any distressed aircraft of which they are aware and which flies over NDJAMENA UIR.

12.2 The center that receives a distress message from an aircraft shall send the necessary messages (INCERFA, ALERFA or DETRESFA) to all authorities in the SAR service involved in this plan including the SAR authority of the center which is in contingency situation.

12.3 Each SAR authority shall assist as necessary its neighbor as requested in their LOA.

Contact details of its SAR Authority are provided in paragraph 15.3 below.

13. PLAN TESTING AND REVIEW

13.1 The plan shall be tested by ATC simulation at least once per year.

13.2 A full review shall be conducted at least once per three years.

14. IMPLEMENTATION OF THE PLAN

The provisions of this contingency plan shall be promulgated by NOTAM to be issued by ASECNA after approval from Chad Civil Aviation Authority ADAC in coordination with ICAO and the concerned States.

15. ALL CONTINGENCIES UNITS

15.1. CENTRAL COORDINATING COMMITTEE

N°	Member Title	Telephone	Email
1	Head of Air Navigation Service (ANAC Chad)	+235 66 29 16 52	dg@adactchad.org ; djoungouri@yahoo.fr
2	ASECNA Representative in Chad	+235 63 26 28 28	AHMATHASSANOro@asecna.org

ASECNA HEADQUATERS (CRISIS ROOM)

N°	Member Title	Telephone	Email
1	Director of Operations	+221 77 332 15 93 +221 338 69 56 51 +221 338 69 20 62	guelpinaceu@asecna.org

15.2 ATM OPERATIONAL CONTINGENCY GROUP

N°	Member Title	Telephone	Email
01	Area Control Centre Manage	+235 66 27 53 99/ 99 19 50 06	ABDERAMANEAbd@asecna.org abderahamane01@gmail.com
02	Head of Maintenance NDjamena	+235 99 14 82 36	boguy12000@yahoo.f
03	Head of Meteorological Services	+ 235 66 76 38 02 / 99 99 88 24	bomarikor@asecna.org
04	Head of Aerodrome Services	+235 66 29 48 03 / 99 90 15 25	djaafarass@yahoo.fr

15.3 SEARCH AND RESCUE POINT OF CONTACT

Center	Member Title	Telephone	Email/Adress
NDJAMENA	SAR focal point DJANGBEI HASSAN EMMANUEL	+235 66 28 40 70 (Mobile) +235 22 52 52 95 (Office) +235 22 52 59 63 (Fax)	manu-djangbei@yahoo.fr B.P. 923 -N'DJAMENA -TCHAD
NIAMEY	Centre de Coordination de recherches et de Sauvetage	+227 20.34.00.85 +227 85.27.57.56 +227 85.27.57.50	B.P. 1005 - NIAMEY - NIGER RSFTA/AFTN: DRRNSARX
	Défense Nationale (DRSA)	+227 20 34 00 85 +227 94 08 09 48	
BRAZZAVILLE	Centre de Coordination de Recherches et de Sauvetage	+242 27 75 30 27 +242 27 75 30 28	RSFTA/AFTN: FCBBYCYX



Identification												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
G851 TENERIFE / ZOUERATE / BAMAKO / BOUAKE / ABIDJAN												
▲	MIYEC	23°42'00"N 012°59'00"W										
			157	337	63	FL 245	FL 055	40	A,G	↓	↑	ACC NOUAKCHOTT 124,2 MHZ 5565-6535 8861-8894 KHZ INM: +87077211-3706 Classe A : FL145/FL245 Classe G : FL055/FL145
▲	ZOUERATE VOR (ZRT)	22°45'30.70"N 012°27'41.70"W										
			160	340	78	FL 245	FL 055	100	A,G	↓	↑	ACC NOUAKCHOTT
▲	SEROR	21°33'58"N 011°54'02"W										
			160	340	103	FL 245	FL 055	100	A,G	↓	↑	ACC NOUAKCHOTT
▲	TAMUL	19°59'00"N 011°10'16"W										
			160	340	129	FL 245	FL 055	100	A,G	↓	↑	ACC NOUAKCHOTT
▲	KONAD	18°00'00"N 010°16'47"W										
			161	341	168	FL 245	FL 055	100	A,G	↓	↑	ACC NOUAKCHOTT
▲	MIPNA	15°24'38"N 009°08'51"W										
			161	341	46	FL 245	FL 055	100	A,G	↓	↑	ACC BAMAKO 125,4M MHZ 6673-8861 KHZ INM: +87077221-7835
▲	BUNLI	14°41'35"N 008°50'22"W										
			161	341	59	FL 245	FL 055	100	A,G	↓	↑	ACC BAMAKO
▲	GARAN	13°47'02"N 008°27'09"W										
			161	341	80	FL 245	FL 055	100	A,D	↓	↑	APP BAMAKO 118,3 MH 6673-8861 KHZ Classe A : FL145/FL245 Classe D : FL055/FL145
▲	BAMAKO VOR-DME (BKO)	12°32'47.80"N 007°55'46.90"W										
			153	333	80	FL 245	FL 055	40	A,D	↓	↑	APP BAMAKO

Identification												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
▲	POMUP	11°23'41"N 007°14'08"W										
			153	333	42	FL 245	FL 055	40	A,G	↓	↑	ACC BAMAKO 125,4 MHZ 6673-8861 KHZ INM: +87077221-7835 Classe A : FL145/FL245 Classe G : FL055/FL145
▲	SEXEM	10°47'40.41"N 006°52'34.54"W										
			154	334	49	FL 245	FL 055	40	A,G	↓	↑	ACC BAMAMAKO
▲	GUREL	10°04'55"N 006°27'06"W										
			153	333	62	FL 245	FL 055	40	A,G	↓	↑	ACC ABIDJAN 129,1 MHZ 5680-6535-6586 6673-8861-13294 KHZ INM: +87077221-2285
▲	BONTO	09°11'33"N 005°55'29"W										
			154	334	100	FL 245	FL 055	40	A,D	↓	↑	APP BOUAKE 120,0 MHZ Classe A : FL145/FL245 Classe D : FL055/FL145
▲	BOUAKE VOR-DME (BKY)	07°44'50.24"N 005°04'29.79"W										
			159	339	83	FL 245	FL 055	20	A,D	↓	↑	APP BOUAKE
▲	DEGAS	06°29'28"N 004°29'08"W										
			159	339	80	FL 245	FL 055	20	A,D	↓	↑	APP ABIDJAN 121,1 MHZ
▲	ABIDJAN VOR-DME (AD)	05°16'58.14"N 003°55'01.12"W										



Identification												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
R975 AGADIR / ZOUERATE / ARDAR / NOUAKCHOTT / SAINT-LOUIS / DAKAR												
▲	CARIM	26°00'00"N 011°11'41.80"W										
			205	025	51	FL 245	FL 055	100	A,G	↑	↓	ACC NOUAKCHOTT 124.2 MHZ 5565-6535 8861-8894 KHZ INM: +87077211-3706 Classe A : FL145/FL245 Classe G : FL055/FL145
▲	BIMOG	25°13'00"N 011°33'00"W										
			202	022	155	FL 245	FL 055	100	A,G	↑	↓	ACC NOUAKCHOTT
▲	ZOUERATE VOR (ZRT)	22°45'30.70"N 012°27'41.70"W										
			198	018	139	FL 245	FL 055	40	A,G	↑	↓	ACC NOUAKCHOTT
▲	ARDAR	20°30'00"N 013°04'00"W										
			233	053	68	FL 245	FL 055	60	A,G	↑	↓	ACC NOUAKCHOTT
▲	MINBA	19°45'12"N 013°58'19"W										
			234	054	70	FL 245	FL 055	60	A,G	↑	↓	APP Nouakchott au-dessus de FL145 ACC Nouakchott au-dessous de FL145. APP NOUAKCHOTT : 118,4 MHZ
▲	SABDU	18°58'50"N 014°53'57"W										
			234	054	80	FL 245	FL 035	60	A,D	↑	↓	APP NOUAKCHOTT 118.4 MHZ Classe A : FL145/FL245 Classe D : FL035/FL145
▲	KETAS	18°05'29.70"N 015°56'53.80"W										
			199	019	102	FL 245	FL 035	40	A,D	↑	↓	APP NOUAKCHOTT
▲	ARBEN	16°26'19"N 016°21'40"W										
			200	020	24	FL 245	FL 035		A,D	↑	↓	APP DAKAR 120,5 MHZ

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Identification													
Point caractéristique <i>Significant point</i>			Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe <i>Class</i>	Série FL <i>FL series</i>		ACC UAC	
Designation	Coordonnées <i>Coordinates</i>	↓	↑	supérieure <i>upper</i>		inférieure <i>lower</i>	impair <i>odd</i>			pair <i>even</i>			
▲	SAKLI	16°02'56.70"N 016°27'25.70"W											
			224	044	98	FL 245	FL 055	0	A,D	↑	↓	APP DAKAR	(1)
No report	ANITI	14°44'41.40"N 017°28'29.20"W											
(1) SAKLI: T/R Limite TMA DAKAR													



Identification												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
R976 DAKAR / SAL												
▲	ANITI	14°44'41.40"N 017°28'29.20"W										
			298	118	120	FL 245	FL 055	40	A,D	↑	↓	APP DAKAR 120.5 MHZ Classe A : FL145/FL245 Classe D : FL055/FL145
▲	LIGOV	15°28'00"N 019°24'15"W										
			298	118	37	FL 245	FL 055	40	A,G	↑	↓	ACC DAKAR 129.5 MHZ 3452-5565-6559 6673-8861-11291 13315-13357 17955 KHZ INM: +87077211-3708 Classe A : FL145/FL245 Classe G : FL055/FL145
▲	LUMPO	15°40'48"N 020°00'00"W										

Identification												
Point caractéristique <i>Significant point</i>		Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe <i>Class</i>	Série FL <i>FL series</i>		ACC <i>UAC</i>	
Designation	Coordonnées <i>Coordinates</i>	↓	↑		supérieure <i>upper</i>	inférieure <i>lower</i>			impair <i>odd</i>	pair <i>even</i>		
R981 BAKAB / NIAMEY / LAGOS												
▲	BAKAB	16°14'16.29"N 000°01'35.42"W										
			142	322	60	FL 245	FL 045	30	A,D	↓	↑	APP GAO 118.5 MHZ Classe A : FL145/FL245 Classe D : FL045/FL145
▲	ERGIL	15°27'05.44"N 000°37'07.24"E										
			143	323	70	FL 245	FL 045	30	A,G	↓	↑	APP NIAMEY au-dessus FL145 119.7 MHZ ACC NIAMEY en dessous FL145 131.3 MHZ 3419-5652-6586 8894-13294KHZ INM: +87077211-3707 Classe A : FL145/FL245 Classe G : FL045/FL145
▲	GALET	14°32'15"N 001°21'38"E										
			143	323	80	FL 245	FL 045	30	A,D	↓	↑	APP NIAMEY 119.7 MHZ Classe A : FL145/FL245 Classe D : FL045/FL145
▲	NIAMEY VOR-DME (NY)	13°28'52.03"N 002°12'24.75"E										
			172	352	80	FL 245	FL 045	40	A,D	↓	↑	APP NIAMEY
▲	VOLTI	12°09'43"N 002°25'45"E										
			172	352	70	FL 245	FL 045	40	A,G	↓	↑	APP Niamey au-dessus de FL145 ACC Niamey au-dessous de FL145 Classe A : FL145/FL245 Classe G : FL045/FL145
▲	SIRTO	11°00'00"N 002°37'23.88"E										
			172	352	117	FL 245	FL 045	40	A,D	↓	↑	APP COTONOU 125.9 MHZ 6586 KHZ classe A : FL 145 / FL 245 classe D : FL 045 / FL 145
▲	TENTU	09°04'00.12"N 002°55'59.88"E										



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UG660 NIAMEY / KANO / MAIDUGURI / N'DJAMENA / GENEI / EL FASHER / EL OBEID												
▲	NIAMEY VOR-DME (NY)	13°28'52.03"N 002°12'24.75"E										
			101	281	73	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY 131.3 MHZ 126.1 MHZ
▲	NAVKI	13°15'41"N 003°26'29"E										
			101	281	41	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY (1)
▲	GULEN	13°08'11.60"N 004°07'21.10"E										
					619	FL 460	FL 245					(2)
▲	KELAK	12°05'18"N 014°37'58"E										
			081	261	24	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA 120.5 MHZ 128.1 MHZ (3)
▲	N'DJAMENA VOR-DME (FL)	12°08'30.10"N 015°02'17.90"E										
			077	257	150	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA
▲	GUPUM	12°37'14"N 017°32'46"E										
			077	257	69	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA
▲	ETSAM	12°49'58"N 018°42'04"E										
			077	257	48	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (4)
△	NAPEN	12°58'46.27"N 019°30'43.33"E										
			078	258	86	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (5)
▲	ARBEG	13°13'55"N 020°57'40"E										
			078	258	89	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA 120.5 MHZ 128.1 MHZ (6)
▲	GENEI	13°29'00"N 022°27'49"E										

(1) NAVKI : Intersection UM 114

(2) GULEN : Limite FIR KANO / NIAMEY

(3) KELAK : T/R Limite UIR KANO / N'DJAMENA

(4) ETSAM : Intersection UG 862

(5) NAPEN : Intersection UM 214 - UQ 589

(6) ARBEG : Intersection UG 655

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.

Identification (Type ¹ de RNP ²)													
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC		
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even			
UG727 NALUT/DIRKOU/MAIDUGURI/GAROUA/N'GAOUNDERE/BRAZZAVILLE													
▲	DEKTU	22°00'00"N 012°28'06"E											
			171	351	182	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA 128.1 MHZ 120.5 MHZ	(1)
▲	DIRKOU VOR-DME (DIR)	18°58'53.30"N 012°52'49.80"E											
			177	357	99	FL 460	FL 245	40	A	↓	↑	ACC N'DJAMENA	
▲	DEMEG	17°19'53.34"N 012°56'04.64"E											
			177	357	80	FL 460	FL 245	40	A	↓	↑	ACC N'DJAMENA	(2)
▲	EDARA	15°59'39"N 012°58'40"E											
			177	357	104	FL 460	FL 245	40	A	↓	↑	ACC N'DJAMENA	(3)
▲	APTEX	14°15'24"N 013°01'58"E											
			177	357	42	FL 460	FL 245	40	A	↓	↑	ACC N'DJAMENA	(4)
▲	RAVOT	13°32'59"N 013°02'57"E											
						FL 460	FL 245					FIC KANO	(5)
▲	EBIMU	10°02'42"N 013°16'48"E											
			174	354	28	FL 460	FL 245	20	A	↓	↑	ACC N'DJAMENA 128.1 MHZ 120.5 MHZ	(6)
▲	PITRU	09°34'28"N 013°19'21"E											
			174	354	14	FL 460	FL 245	20	A	↓	↑	ACC N'DJAMENA	(7)
▲	GAROUA VOR-DME (TJR)	09°20'03.70"N 013°20'40.40"E											
			174	354	126	FL 460	FL 245	20	A	↓	↑	ACC NDJAMENA	
▲	ININA	07°13'31"N 013°33'49"E											
			172	352	51	FL 460	FL 260	100	A	↓	↑	ACC BRAZZAVILLE	(8)
▲	AREKA	06°23'03"N 013°43'08"E											
			178	358	14	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(9)
▲	INEVA	06°09'01.24"N 013°43'29.12"E											
			171	351	61	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(10)

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)													
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC		
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even			
▲	MOTET	05°08'46"N 013°52'28"E											
			171	351	68	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(11)
▲	KOGAN	04°01'28.20"N 014°02'28.20"E											
			171	351	30	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(12)
▲	NUVIP	03°31'26"N 014°06'55"E											
			171	351	23	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(13)
▲	AMPIL	03°09'01"N 014°10'14"E											
			171	351	52	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(14)
▲	INONU	02°17'13"N 014°17'54"E											
			172	352	105	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(15)
▲	GODAL	00°32'55.71"N 014°33'18.02"E											
			174	354	37	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(16)
▲	ONAVO	00°03'51.99"N 014°37'35.35"E											
			161	341	6	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(17)
▲	MIKMA	00°09'32"S 014°39'34"E											
			172	352	81	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(18)
▲	NULOR	01°30'24.99"S 014°51'30.15"E											
			172	352	19	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(19)
▲	TIVAL	01°49'42"S 014°54'21"E											
			172	352	146	FL 460	FL 245	100	A	↓	↑	ACC BRAZZAVILLE	(20)
▲	BRAZZAVILLE MAYA-MAYA VOR-DME (BZ)	04°15'05.23"S 015°14'49.90"E											

(1) (Tronçon commun avec UM731)

Same track with UM731

DEKIL : T/R Limite FIR TRIPOLI / UTA N'DJAMENA

Intersection UG 858 - UM 731

(2) DEMEG : Intersection UQ 592

(3) EDARA : Intersection UR 778 - UT 237

(4) APTEX : Intersection UG 622

(5) RAVOT : Intersection UG620

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)											
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even	
(6) (Tronçon commun avec UM998) Same track with UM998 EBIMU : T/R Limite FIR KANO /UTA N'DJAMENA											
(7) PITRU : Intersection UG 857											
(8) ININA : Intersection UQ200											
(9) AREKA : INTERSECTION UT475											
(10) INEVA : Intersection UQ 584											
(11) MOTET : Intersection UL 433											
(12) KOGAN : Intersection UR984											
(13) NUVIP : Intersection UQ 583											
(14) AMPIL : Intersection UL 434											
(15) INONU : Intersection UG 625											
(16) GODAL : Intersection UT 143											
(17) ONAVO : Intersection UT 419											
(18) MIKMA : ABM MAKOUA VOR (CF)											
(19) NULOR : Intersection UQ 580											
(20) TIVAL : T/R Limite TMA POOL											

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1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique <i>Significant point</i>			Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe Class	Série FL <i>FL series</i>		ACC UAC
Designation	Coordonnées <i>Coordinates</i>	↓	↑	supérieure <i>upper</i>		inférieure <i>lower</i>	impair <i>odd</i>			pair <i>even</i>		
(6) BTA : T/C limite UTA DOUALA / UTA LIBREVILLE												
(7) APOPA : Intersection UQ 583												

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)														
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC			
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even				
UG858 KANO / SEBHA														
▲	DETAR	12°52'59.70"N 008°48'27.42"E												
			020	200	200	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY 131.3 MHZ 126.1 MHZ	(1)	
▲	KIMBO	16°00'00"N 010°01'00"E												
			020	200	159	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY	(2)	
▲	NEBRA	18°28'35.62"N 011°00'20.84"E												
			020	200	134	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY	(3)	
▲	RAKOM	20°33'58"N 011°51'52"E												
			020	200	92	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA 128.1 MHZ 120.5 MHZ	(4)	
▲	DEKTU	22°00'00"N 012°28'06"E												

(1) DETAR : T/R limite FIR KANO / UTA NIAMEY

(2) KIMBO : Intersection UQ 592

(3) NEBRA : Intersection UM 998 - UQ 594

(4) RAKOM : Intersection UB 730

DEKIL : T/R Limite UTA N'DJAMENA / FIR TRIPOLI

Intersection UG 727 - UM 731

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR975 AGADIR / ZOUERATE / ARDAR / SAINT-LOUIS / DAKAR												
▲	ECHED	27°40'00"N 010°37'00"W										
			202	022	155	FL 460	FL 245	100	A	↑	↓	ACC NOUAKCHOTT 124.2 MHZ (1)
▲	BIMOG	25°13'00"N 011°33'00"W										
			202	022	111	FL 460	FL 245	100	A	↑	↓	ACC NOUAKCHOTT
▲	OSVOR	23°27'18.39"N 012°12'25.07"W										
			202	022	44	FL 460	FL 245	100	A	↑	↓	ACC NOUAKCHOTT (2)
▲	ZOUERATE VOR (ZRT)	22°45'30.70"N 012°27'41.70"W										
			198	018	139	FL 460	FL 245	40	A	↑	↓	ACC NOUAKCHOTT
▲	ARDAR	20°30'00"N 013°04'00"W										
			221	021	198	FL 460	FL 245	100	A	↑	↓	ACC NOUAKCHOTT
▲	SEPEL	17°50'02"N 015°07'18"W										
			221	021	14	FL 460	FL 245	100	A	↑	↓	ACC NOUAKCHOTT (3)
▲	IDINI	17°38'35"N 015°15'57"W										
			221	021	40	FL 460	FL 245	80	A	↑	↓	ACC NOUAKCHOTT (4)
▲	ULNOT	17°06'26"N 015°40'09"W										
			222	042	43	FL 460	FL 245	80	A	↑	↓	ACC NOUAKCHOTT (5)
▲	NEVDI	16°31'02"N 016°06'36"W										
			222	042	34	FL 460	FL 245	80	A	↑	↓	ACC DAKAR 120.5 MHZ 129.5 MHZ (6)
▲	SAKLI	16°02'56.70"N 016°27'25.70"W										
			224	044	98	FL 460	FL 245	20	A	↑	↓	ACC DAKAR
▲	ANITI	14°44'41.40"N 017°28'29.20"W										

(1) ECHED : T/R Limite FIR CASABLANCA / UTA DAKAR

(2) OSVOR : Intersection UT 365

(3) SEPEL : Intersection UG 615

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.

Identification (Type ¹ de RNP ²)											
Point caractéristique <i>Significant point</i>		Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe <i>Class</i>	Série FL <i>FL series</i>		ACC UAC
Designation	Coordonnées <i>Coordinates</i>	↓	↑		supérieure <i>upper</i>	inférieure <i>lower</i>			impair <i>odd</i>	pair <i>even</i>	
(4) IDINI : T/C Limite UTA DAKAR Intersection UA 600											
(5) ULNOT : Intersection UR 865											
(6) NEVDI : T/R Limite UTA NOUAKCHOTT											

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR976 DAKAR / SAL												
▲	ANITI	14°44'41.40"N 017°28'29.20"W										
			298	118	33	FL 460	FL 245	40	A	↑	↓	ACC DAKAR 120.5 MHZ 129.5 MHZ
▲	NARAT	14°56'36.20"N 018°00'00"W										
			298	118	124	FL 460	FL 245	40	A	↑	↓	ACC DAKAR (1)
▲	LUMPO	15°40'48"N 020°00'00"W										

(1) NARAT : Intersection UG 853
LUMPO : T/R Limite UTA DAKAR / UIR SAL OCEANIQUE

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.
2. RNP = Qualité de navigation requise.
3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.

Identification (Type ¹ de RNP ²)													
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC		
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even			
UR977 AGADIR / BAMAKO													
▲	BULIS	27°40'00"N 009°08'31"W											
			178	358	205	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT 124.2 MHZ	(1)
▲	EBATI	24°15'29"N 008°50'46"W											
			178	358	128	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT	(2)
▲	POVAS	22°07'44"N 008°40'10"W											
			178	358	128	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT	(3)
▲	IPONA	20°00'00"N 008°29'53"W											
			178	358	32	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT	(4)
▲	TAPUS	19°27'39.44"N 008°27'19.63"W											
			179	359	192	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT	(5)
▲	EREMO	16°15'00"N 008°12'26"W											
			179	359	31	FL 460	FL 245	100	A	↑	↓	ACC BAMAKO 125.4 MHZ	(6)
▲	ANUMU	15°44'01.41"N 008°10'04.78"W											
			179	359	64	FL 460	FL 245	100	A	↑	↓	ACC BAMAKO	(7)
▲	OPARA	14°40'23"N 008°05'18"W											
			179	359	127	FL 460	FL 245	100	A	↑	↓	ACC BAMAKO	(8)
▲	BAMAKO VOR-DME (BKO)	12°32'47.80"N 007°55'46.90"W											

- (1) Tronçon commun avec UM 122
BULIS : T/R Limite UIR CASABLANCA/DAKAR
Intersection UM 122 - UM 372 - UR 722 - UR 866 - UR 981
- (2) EBATI : Intersection UA 854 - UM 122
- (3) POVAS : Intersection UM 725 - UM 122 - UT 365
- (4) IPONA : Intersection UM 122
- (5) TAPUS : Intersection UM 122 - UQ 596
- (6) EREMO : T/R limite UTA BAMAKO
Intersection UM 122
- (7) ANUMU : Intersection UG 615 - UM 122
- (8) OPARA : Intersection UM 122 - UM 974

- Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.
- RNP = Qualité de navigation requise.
- La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR978 AGADES / BORDJ OMAR DRISS												
▲	AGADEZ / MANU DAYAK VOR (AS)	16°58'29.87"N 008°01'23.63"E										
			355	175	151	FL 460	FL 245	100	A	↑	↓	ACC NIAMEY 126.1 MHZ 131.3 MHZ (1)
▲	EDAGO	19°30'00"N 007°49'03"E										
			355	175	88	FL 460	FL 245	100	A	↑	↓	ACC NIAMEY (2)
▲	ERKEL	20°58'00"N 007°42'00"E										
(1) AS : Intersection UB 731 - UA 604 - UQ 594												
(2) ERKEL : T/R Limite UTA NIAMEY/ ALGER Intersection UT 258												

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.

Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR979 DAKAR / ABIDJAN / LIBREVILLE												
▲	ANITI	14°44'41.40"N 017°28'29.20"W										
			131	311	165	FL 460	FL 245	80	A	↓	↑	ACC DAKAR 120.5 MHZ 129.5 MHZ 129.1 MHZ
▲	ERIDI	13°11'36"N 015°07'49"W										
			131	311	47	FL 460	FL 245	80	A	↓	↑	ACC DAKAR (1)
▲	KOMAB	12°44'48"N 014°28'02"W										
			131	311	50	FL 460	FL 245	80	A	↓	↑	ACC DAKAR (2)
▲	BADIA	12°16'00"N 013°45'36"W										
						FL 460	FL 245					Voir AIP ROBERTS (3)
▲	ERMIT	08°22'00"N 008°17'00"W										
			131	311	171	FL 460	FL 245	100	A	↓	↑	ACC ABIDJAN 129.1 MHZ (4)
▲	PIVKI	06°45'23"N 005°56'51"W										
			130	310	62	FL 460	FL 245	100	A	↓	↑	ACC ABIDJAN (5)
▲	ARLIX	06°09'02"N 005°06'36"W										
			130	310	88	FL 460	FL 245	100	A	↓	↑	ACC ABIDJAN (6)
▲	ABIDJAN VOR-DME (AD)	05°16'58.14"N 003°55'01.12"W										
			114	294	58	FL 460	FL 245	100	A	↓	↑	ACC ABIDJAN 129.1 MHZ
▲	SESIG	04°57'14"N 003°00'00"W										
						FL 460	FL 245					FIC ACCRA (7)
▲	BIPEX	04°31'12"N 001°47'24"E										
						FL 460	FL 245					FIC ACCRA (8)
▲	SIRPA	01°36'30"N 006°18'29"E										
			112	292	18	FL 460	FL 245	100	A	↓	↑	VOIR AIP SAO TOME (9)
▲	KOPOX	01°30'29.88"N 006°34'59.88"E										
			112	292	53	FL 460	FL 245	100	A	↓	↑	VOIR AIP SAO TOME (10)
▲	IPOTA	01°12'27"N 007°24'34"E										
			112	292	43	FL 460	FL 245	100	A	↓	↑	VOIR AIP SAO TOME (11)

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
▲	GULEP	00°57'44"N 008°05'00"E										
			112	292	84	FL 460	FL 245	100	A	↓	↑	ACC LIBREVILLE 126.5 MHZ (12)
▲	LIBREVILLE DVOR-DME (LV)	00°28'47.45"N 009°24'07.14"E										
(1) ERIDI : Intersection UR 620												
(2) KOMAB : T/C Limite UTA DAKAR Intersection UR 865												
(3) BADIA : T/R Limite UTA DAKAR / FIR ROBERTS												
(4) ERMIT : T/R Limite FIR ROBERTS / UTA ABIDJAN												
(5) PIVKI : T/R Limite TMA / UTA ABIDJAN												
(6) ARLIX : Intersection UQ 592												
(7) SESIG : T/R Limite UIR DAKAR Secteur d'ABIDJAN / FIR ACCRA												
(8) BIPEX : Intersection UA 560												
(9) SIRPA : Intersection UQ 584												
(10) KOPOX : T/R Limite FIR ACCRA / UTA LIBREVILLE												
(11) IPOTA : Intersection UB737												
(12) GULEP : T/R Limite UTA SAO-TOME / UTA LIBREVILLE Intersection UQ 583												

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.
2. RNP = Qualité de navigation requise.
3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.

Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR981 CASABLANCA / MARRAKECH / BULIS / BAKAB / NIAMEY / LAGOS												
▲	BULIS	27°40'00"N 009°08'31"W										
			144	324	160	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT 124.2 MHZ (1)
▲	SENOX	25°33'16"N 007°18'09"W										
			144	324	103	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT (2)
▲	TISEN	24°11'04"N 006°09'16"W										
			145	325	212	FL 460	FL 245	100	A	↓	↑	ACC NOUAKCHOTT (3)
▲	POTOL	21°20'40.46"N 003°52'14.60"W										
			145	325	205	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY 126.1 MHZ 131.3 MHZ (4)
▲	XUMIL	18°34'04"N 001°44'39"W										
			145	325	31	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY (5)
▲	TAVIL	18°08'44"N 001°25'44"W										
			146	326	140	FL 460	FL 245	100	A	↓	↑	ACC NIAMEY (6)
▲	BAKAB	16°14'16.29"N 000°01'35.42"W										
			142	322	30	FL 460	FL 245	30	A	↓	↑	ACC NIAMEY
▲	UNOTA	15°50'57"N 000°17'35"E										
			143	323	30	FL 460	FL 245	30	A	↓	↑	ACC NIAMEY (7)
▲	ERGIL	15°27'05.44"N 000°37'07.24"E										
			143	323	150	FL 460	FL 245	30	A	↓	↑	ACC NIAMEY (8)
▲	NIAMEY VOR-DME (NY)	13°28'52.03"N 002°12'24.75"E										
			172	352	108	FL 460	FL 245	40	A	↓	↑	ACC NIAMEY
▲	KIMRI	11°42'18.34"N 002°30'20.53"E										
			172	352	43	FL 460	FL 245	40	A	↓	↑	ACC NIAMEY (9)
▲	SIRTO	11°00'00"N 002°37'23.88"E										
			173	353	92	FL 460	FL 245	40	A	↓	↑	ACC LOME 124.6 MHZ 6586 KHZ (10)
▲	BORNI	09°28'24"N 002°51'21"E										
			171	351	25	FL 460	FL 245	40	A	↓	↑	ACC LOME (11)

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point			Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC
Designation	Coordonnées Coordinates	↓	↑	supérieure upper		inférieure lower	impair odd			pair even		
▲	TENTU	09°04'00.12"N 002°55'59.88"E										
(1) BULIS : T/R Limite UIR CASA / DAKAR Intersection UM 122 - UM 372 - UR 722 - UR 866 - UR 977												
(2) SENOX : Intersection UA 854												
(3) TISEN : Intersection UM 725												
(4) POTOL : T/R Limite UIR DAKAR / NIAMEY Intersection UB 735 - UM 108 - UQ 596												
(5) XUMIL : T/C UTA/UIR NIAMEY Intersection UA 614 - UM 104												
(6) TAVIL : Intersection UB 727												
(7) UNOTA : T/C Limite UTA NIAMEY Intersection UT 365												
(8) ERGIL : Intersection UT 365												
(9) KIMRI : Intersection UQ 592												
(10) SIRTO : T/R Limite UTA NIAMEY / FIR ACCRA												
(11) BORNI : Intersection UL 683 TENTU : T/R Limite UTA LOME / UTA LAGOS												

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.

Identification (Type ¹ de RNP ²)												
Point caractéristique <i>Significant point</i>		Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe <i>Class</i>	Série FL <i>FL series</i>		ACC UAC	
Designation	Coordonnées <i>Coordinates</i>	↓	↑		supérieure <i>upper</i>	inférieure <i>lower</i>			impair <i>odd</i>	pair <i>even</i>		
UR982 OUAGADOUGOU / TAMALE												
▲	OUAGADOUGOU VOR-DME (OG)	12°20'46.60"N 001°30'46.20"W										
			170	350	82	FL 460	FL 245	40	A	↓	↑	ACC OUAGADOUGOU (1) 120.3 MHZ
▲	NAVON	11°00'00"N 001°12'54"W										

(1) NAVON : T/R Limite UTA OUAGADOUGOU / FIR ACCRA

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR983 OUAGADOUGOU / LOME												
▲	OUAGADOUGOU VOR-DME (OG)	12°20'46.60"N 001°30'46.20"W										
			158	338	88	FL 460	FL 245	40	A	↓	↑	ACC OUAGADOUGOU 120.3 MHZ
▲	UMOVO	11°00'00"N 000°53'42"W				FL 460	FL 245					Voir AIP Ghana (1)
▲	PAMPA	08°00'00"N 000°34'00"E										
			161	341	116	FL 460	FL 245	40	A	↓	↑	ACC LOME 124.6 MHZ 6586 KHZ (2)
▲	LOME/GNASSINGBE EYADEMA VOR-DME (LM)	06°11'02.70"N 001°16'07.60"E										
(1) UMOVO: T/R Limite UTA OUAGADOUGOU / FIR ACCRA												
(2) PAMPA : Intersection UTA LOME												

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR984 OUAGADOUGOU / LAGOS / PORT HARCOURT / TIKO / DOUALA / YAOUNDE / BERBERATI / BANGUI												
▲	OUAGADOUGOU VOR-DME (OG)	12°20'46.60"N 001°30'46.20"W										
			141	321	106	FL 460	FL 245	40	A	↓	↑	ACC OUAGADOUGOU 120.3 MHZ (Délégation Niamey)
▲	OXIDU	11°00'00"N 000°20'12"W										
			142	322		FL 460	FL 245					FIC ACCRA (1)
▲	TAMIL	10°35'00"N 000°01'00"E										
			141	321	24	FL 460	FL 245	40	A	↓	↑	ACC LOME 124.6 MHZ 6586 KHZ (2)
▲	ARLEX	10°16'47"N 000°17'13"E										
			141	351	64	FL 460	FL 245	40	A	↓	↑	ACC LOME (3)
▲	KILMO	09°27'42.12"N 000°59'30.12"E										
			140	320	126	FL 460	FL 245	40	A	↓	↑	ACC LOME (4)
▲	KELEX	07°51'47.45"N 002°21'25.67"E										
			147	327	41	FL 460	FL 245	40	A	↓	↑	ACC LOME (5)
▲	OPALA	07°24'00"N 002°45'00"E										
						FL 460	FL 245					UTA LAGOS (6)
▲	RALIN	04°28'12"N 008°16'48"E										
			109	289	20	FL 460	FL 245	40	A	↓	↑	ACC DOUALA 129.5 MHZ (7)
▲	VITLI	04°20'47"N 008°34'00"E										
			108	288	74	FL 460	FL 245	40	A	↓	↑	ACC DOUALA (8)
▲	DOUALA VOR-DME (DLA)	03°59'38.10"N 009°44'36.50"E										
			099	279	25	FL 460	FL 245	20	A	↓	↑	ACC DOUALA
▲	EDEBA	03°55'58"N 010°09'32"E										
			099	279	85	FL 460	FL 245	20	A	↓	↑	ACC DOUALA (9)
▲	YAOUNDE / NSIMALEN DVOR-DME (NLY)	03°43'32.90"N 011°33'23.30"E										
			083	263	70	FL 460	FL 245	30	A	↓	↑	ACC DOUALA
▲	ARKEV	03°51'57.57"N 012°42'54.34"E										
			083	263	80	FL 460	FL 245	30	A	↓	↑	ACC BRAZZAVILLE 128.9 MHZ (10)

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point			Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC
Designation	Coordonnées Coordinates	↓	↑	supérieure upper		inférieure lower	impair odd			pair even		
▲	KOGAN	04°01'28.20"N 014°02'28.20"E										
			083	263	78	FL 460	FL 245	30	A	↓	↑	ACC BRAZZAVILLE (11)
▲	TOBAB	04°10'36"N 015°19'54"E										
			083	263	27	FL 460	FL 245	30	A	↓	↑	ACC BRAZZAVILLE (12)
▲	BERBERATI VOR (BT)	04°13'45.67"N 015°47'01.83"E										
			086	266	82	FL 460	FL 245	20	A	↓	↑	ACC BRAZZAVILLE (13)
▲	VOTUR	04°18'15"N 017°09'26"E										
			086	266	82	FL 460	FL 245	20	A	↓	↑	ACC BRAZZAVILLE (14)
▲	BANGUI-M'POKO VOR-DME (MPK)	04°22'41.70"N 018°31'29.40"E										

(1) OXIDU : T/R Limite UTA OUAGADOUGOU / FIR ACCRA

(2) TAMIL : Intersection UA 603 - UG 855

(3) ARLEX : Intersection UQ 592

(4) KILMO : Intersection UB 726 - UL 683

(5) KELEX : Intersection UM 566 - UA 608

(6) OPALA : T/R Limite UTA LOME / UTA LAGOS

(7) RALIN : T/R Limite FIR KANO / UIR BRAZZAVILLE

(8) VITLI : C/R pour ACFT au décollage de DOUALA
Radial 212° du VOR MF

(9) EDEBA : ABM de EDEAL (DE)

(10) ARKEV : T/R Limite UTA DOUALA / UTA BRAZZAVILLE

(11) KOGAN : Intersection UG 727

(12) TODAB : Intersection UM 998

(13) BT : Intersection UA 403 - UQ 583

(14) VOTUR : Intersection UM 731

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR986 KANO / BIGON / YAOUNDE / FRANCEVILLE												
▲	TAKUM	06°54'00"N 010°19'48"E										
			160	340	80	FL 460	FL 245	100	A	↓	↑	ACC DOUALA 129.5 MHZ (1)
▲	SEXAT	05°38'35"N 010°45'09"E										
			157	337	54	FL 460	FL 245	100	A	↓	↑	ACC DOUALA (2)
△	UBOSU	04°48'24"N 011°06'14"E										
			158	338	70	FL 460	FL 245	100	A	↓	↑	ACC DOUALA (3)
▲	YAOUNDE / NSIMALEN DVOR-DME (NLY)	03°43'32.90"N 011°33'23.30"E										
			161	341	71	FL 460	FL 245	40	A	↓	↑	ACC DOUALA
▲	TAPEK	02°36'09.76"N 011°57'04.69"E										
			161	341	66	FL 460	FL 245	40	A	↓	↑	FIC BRAZZAVILLE 121.1 MHZ 127.1 MHZ (4)
▲	ERPUL	01°33'28"N 012°19'05"E										
			161	341	28	FL 460	FL 245	40	A	↓	↑	FIC BRAZZAVILLE (5)
▲	AGTIR	01°06'34.18"N 012°28'31.03"E										
			161	341	37	FL 460	FL 245	40	A	↓	↑	FIC BRAZZAVILLE (6)
▲	VOLMI	00°31'27.14"N 012°40'49.81"E										
			161	341	2	FL 460	FL 245	40	A	↓	↑	FIC BRAZZAVILLE (7)
▲	EMTIP	00°29'18"N 012°41'35"E										
			161	341	76	FL 460	FL 245	40	A	↓	↑	FIC BRAZZAVILLE
▲	ARBEL	00°42'17.13"S 013°06'40.78"E										
			161	341	60	FL 460	FL 245	40	A	↓	↑	FIC BRAZZAVILLE (8)
▲	FRANCEVILLE VOR-DME (FRV)	01°39'11.10"S 013°26'38.10"E										

(1) TAKUM : T/R Limite FIR KANO / UTA DOUALA

(2) SEXAT : Intersection G/UG 857 - L/UL 433

(3) UBOSU : Intersection UQ 584

(4) TAPEK : T/R Limite UIR BRAZZAVILLE

(5) ERPUL : Intersection UG 625 - UQ 583

(6) AGTIR : Intersection UQ 582

(7) VOLMI: Intersection UT 143

(8) ARBEL : Intersection UT 419

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UR987 LIBREVILLE / POINTE NOIRE / CABINDA												
▲	LIBREVILLE DVOR-DME (LV)	00°28'47.45"N 009°24'07.14"E										
			157	337	71	FL 460	FL 245	40	A	↓	↑	ACC LIBREVILLE 126.5 MHZ
▲	ETSOT	00°35'33.52"S 009°53'46.36"E										
			157	337	79	FL 460	FL 245	40	A	↓	↑	ACC LIBREVILLE (1)
▲	TAPIL	01°47'57"S 010°27'09"E										
			157	337	14	FL 460	FL 245	40	A	↓	↑	ACC BRAZZAVILLE 127.1 MHZ 121.1 MHZ 128.9 MHZ (2)
▲	GUNIV	02°00'13.41"S 010°32'54.38"E										
			157	337	58	FL 460	FL 245	40	A	↓	↑	ACC BRAZZAVILLE (3)
▲	TCHIBANGA NDB (TC)	02°53'18"S 010°57'19"E										
			147		4	FL 460	FL 245	40	A	↓	↑	ACC BRAZZAVILLE
▲	SIBEX	02°57'33.08"S 010°59'21.62"E										
			157	337	57	FL 460	FL 245	40	A	↓	↑	ACC BRAZZAVILLE (4)
▲	SETOL	03°48'58.43"S 011°24'07.49"E										
			156	336	34	FL 460	FL 245	40	A	↓	↑	ACC BRAZZAVILLE (5)
▲	APEMI	04°19'36"S 011°38'53"E										
			156	336	33	FL 460	FL 245	40	A	↓	↑	ACC BRAZZAVILLE (6)
▲	POINTE NOIRE VOR-DME (IT)	04°49'26.13"S 011°53'14.80"E										
			161	341	13	FL 460	FL 245	10	A	↓	↑	ACC BRAZZAVILLE (7)
▲	PIRMI	05°02'00"S 011°58'12"E										

(1) ETSOT: Intersection UQ 582

(2) TAPIL : T/R Limite UTA LIBREVILLE

(3) GUNIV : Intersection UT 419

(4) SIBEX : Intersection UQ 581

(5) SETOL : Intersection UQ580

(6) APEMI : Intersection UY339

(7) PIRMI : T/R Limite UIR BRAZZAVILLE / FIR LUANDA

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique <i>Significant point</i>			Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe <i>Class</i>	Série FL <i>FL series</i>		ACC UAC
Designation	Coordonnées <i>Coordinates</i>	↓	↑	supérieure <i>upper</i>		inférieure <i>lower</i>	impair <i>odd</i>			pair <i>even</i>		
UR988 FRANCEVILLE / POINTE - NOIRE												
▲	FRANCEVILLE VOR-DME (FRV)	01°39'11.10"S 013°26'38.10"E										
			207	027	54	FL 460	FL 245	30	A	↑	↓	ACC BRAZZAVILLE 128.9 MHZ 127.1 MHZ 121.1MHZ
▲	VOPAT	02°27'52.68"S 013°02'49.98"E										
			208	028	157	FL 460	FL 245	30	A	↑	↓	ACC BRAZZAVILLE (1)
▲	POINTE NOIRE VOR-DME (IT)	04°49'26.13"S 011°53'14.80"E										

(1) VOPAT : Intersection G/UG 856 - UQ 580 - R/UR 988

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.
2. RNP = Qualité de navigation requise.
3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point			Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC
Designation	Coordonnées Coordinates	↓	↑	supérieure upper		inférieure lower	impair odd			pair even		
UW118 POINTE-NOIRE / LIKAD (UR526)												
▲	POINTE NOIRE VOR-DME (IT)	04°49'26.13"S 011°53'14.80"E										
			214	034	21	FL 460	FL 245		A	↑	↓	ACC BRAZZAVILLE 121.1 MHZ 127.1 MHZ (1)
▲	LIKAD	05°07'24"S 011°42'10"E										

(1) LIKAD : T/R Limite UIR BRAZZAVILLE / UIR LUANDA

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

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Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UW605 GAROUA / ILBIB / EL FASHER												
▲	GAROUA VOR-DME (TJR)	09°20'03.70"N 013°20'40.40"E										
			069	249	29	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA 128,1 MHZ 120.5 MHZ
▲	OPDAP	09°30'23.30"N 013°48'36.05"E										
			069	249	90	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (1)
△	ISDET	10°01'49.34"N 015°14'25.42"E										
			069	249	22	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (2)
▲	VOSLI	10°09'19"N 015°35'04"E										
			069	249	20	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (3)
△	ENERI	10°16'03.09"N 015°53'41.87"E										
			069	249	78	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (4)
▲	BORKI	10°42'37.59"N 017°07'48.45"E										
			069	249	166	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (5)
▲	ERESA	11°38'21.22"N 019°46'44.51"E										
			069	249	98	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (6)
▲	XULAK	12°10'30"N 021°20'51"E										
			069	249	68	FL 460	FL 245	100	A	↓	↑	ACC N'DJAMENA (7)
▲	ILBIB	12°32'42"N 022°27'00"E										

(1) OPDAP : Intersection UM 998 - UQ 589

(2) ISDET : Intersection UA 403 - UQ 589

(3) VOSLI : Intersection UM 731 - UQ 589

(4) ENERI : Intersection UA 607 - UQ 589

(5) BORKI : T/R Limite UTA N'DJAMENA
Intersection UT 325

(6) ERESA : Intersection UG 862 - UM 214 - UT 142

(7) XULAK : Intersection UG 655 - UM 215

ILBIB : T/R Limite UTA N'DJAMENA / UIR KHARTOUM

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

2. RNP = Qualité de navigation requise.

3. La RNP 4 représente une précision de navigation de plus ou moins 7,4 km (4NM) sur la base d'un confinement de 95 %.



Identification (Type ¹ de RNP ²)												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UY212 EREBO / DAMNA												
▲	EREBO	20°07'00"N 006°36'00"E										
			200	020	147	FL 460	FL 245	20	A	↑	↓	ACC NIAMEY 126.1 MHZ 131.3 MHZ 2878 KHZ 3419 KHZ 5493 KHZ 5652 KHZ 6586 KHZ 8894 KHZ 8903 KHZ 13273 KHZ 13294 KHZ CPDLC (1)
△	MIGNI	17°49'22"N 005°41'26"E										
			200	020	184	FL 460	FL 245	20	A	↑	↓	ACC NIAMEY (2)
▲	DAMNA	14°56'34"N 004°35'00"E										

(1) EREBO : FIR BOUNDARY (x UA604)

(2) MIGNI : TMA BOUNDARY (X UQ594)

1. Type de RNP = Valeur de confinement exprimée sous forme de distance en milles marins par rapport à la position voulue, à l'intérieur de laquelle sont censés se trouver les aéronefs pendant au moins 95 % du temps de vol total.

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PAGE LAISSÉE INTENTIONNELLEMENT VIDE


Identification												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
UM731 (RNP 10) DEKIL / DIRKOU / N'DJAMENA / SAURIMO												
▲	DEKTU	22°00'00"N 012°28'06"E										
			171	351	182	UNL	FL 245		A	↓	↑	ACC N'DJAMENA 128.1 MHZ 120.5 mhz (1)
▲	DIRKOU VOR-DME (DIR)	18°58'53.30"N 012°52'49.80"E										
			161	341	92	UNL	FL 245		A	↓	↑	ACC N'DJAMENA (2)
▲	TUXOL	17°31'06.59"N 013°21'19.29"E										
			161	341	59	UNL	FL 245		A	↓	↑	ACC N'DJAMENA (3)
▲	BUNLU	16°34'28"N 013°39'27"E										
			161	341	136	UNL	FL 245		A	↓	↑	ACC N'DJAMENA (4)
▲	USPOK	14°23'54"N 014°20'33"E										
			162	342	141	UNL	FL 245		A	↓	↑	ACC N'DJAMENA (5)
▲	N'DJAMENA VOR-DME (FL)	12°08'30.10"N 015°02'17.90"E										
			163	343	123	UNL	FL 245		A	↓	↑	ACC N'DJAMENA
▲	VOSLI	10°09'19"N 015°35'04"E										
			164	344	46	UNL	FL 245		A	↓	↑	ACC N'DJAMENA (6)
▲	USLOV	09°24'50"N 015°47'10"E										
			164	344	87	UNL	FL 245		A	↓	↑	ACC N'DJAMENA (7)
▲	EDGUM	08°00'00"N 016°10'08"E										
			164	344	43	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE 127.1 MHZ 128.9 MHZ (8)
▲	OPOLA	07°17'51.38"N 016°21'28.24"E										
			164	344	69	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (9)
▲	AMREN	06°10'56"N 016°39'24"E										
			164	344	71	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (10)
▲	KIBLO	05°02'03"N 016°57'47"E										
			164	344	26	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (11)

Identification												
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC	
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even		
▲	USLOK	04°37'12"N 017°04'24"E										
			164	344	20	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (12)
▲	VOTUR	04°18'15"N 017°09'26"E										
			164	344	37	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (13)
▲	KISDU	03°42'11"N 017°19'01"E										
			164	344	82	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (14)
▲	OPGAM	02°22'07"N 017°40'14"E										
			164	344	9	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (15)
▲	USKAV	02°13'20"N 017°42'33"E										
			164	344	26	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (16)
▲	EBAKO	01°48'09.66"N 017°49'12.55"E										
			164	344	28	UNL	FL 245		A	↓	↑	ACC BRAZZAVILLE (17)
▲	EMSAT	01°20'58"N 017°56'24"E										
(1) DEKIL : T/R Limite FIR TRIPOLI/UTA N'DJAMENA												
(2) DIR : T/C UTA N'DJAMENA												
(3) TUXOL : Intersection UQ 592												
(4) BUNLU : Intersection UM 731 - UR 778												
(5) USPOK : T/R Limite UTA N'DJAMENA Intersection UA 607 - UG 619 - UG 622												
(6) VOSLI : Intersection UM 731 - UW 605 - UQ 589												
(7) USLOV : Intersection UM 731 - UB 736												
(8) EDGUM : T/R Limite UTA N'DJAMENA / UTA BRAZZAVILLE												
(9) OPOLA : Intersection UQ 584												
(10) AMREN : Intersection UM 731 - UG 624												
(11) KIBLO : Intersection UT 475												
(12) USLOK : Intersection UM 731 - UL 433 - UQ 583												
(13) VOTUR : Intersection UM 731 - UR 984												
(14) KISDU : Intersection UM 731 - UG 625												
(15) OPGAM : Intersection UM 731 - UL 434												
(16) USKAV : Intersection UM 731 - UA 410												
(17) EBAKO : Intersection UT 419 EMSAT : T/R Limite UTA BRAZZAVILLE / UIR KINSHASA												



Identification													
Point caractéristique Significant point		Route MAG MAG Track		Dist (NM)	Limites verticales Vertical limits		Limites laterales Lateral limits (NM)	Classe Class	Série FL FL series		ACC UAC		
Designation	Coordonnées Coordinates	↓	↑		supérieure upper	inférieure lower			impair odd	pair even			
UN741 (RNP 10) PORTO SANTO / FORTALEZA													
▲	KEPAS	14°48'22"N 028°28'40"W											
			222	042	275	FL 460	FL 245		A	↑	↓	ACC DAKAR	
▲	MERUD	10°46'36"N 030°45'18"W											
			223	043	13	FL 460	FL 245		A	↑	↓	ACC DAKAR	
▲	SAGRO	10°35'00"N 030°51'48"W											
			223	043	63	FL 460	FL 245		A	↓	↓	ACC DAKAR	
▲	PINRU	09°39'39.41"N 031°22'13.89"W											
			224	044	225	FL 460	FL 245		A	↓	↓	ACC DAKAR	☑
▲	NANIK	06°20'30"N 033°10'18"W											
(1) PINRU : Intersection UL 435													
NANIK : T/R Limite FIR RECIFE / UIR DAKAR OCEANIQUE													



Identification												
Point caractéristique <i>Significant point</i>		Route MAG MAG Track		Dist (NM)	Limites verticales <i>Vertical limits</i>		Limites laterales <i>Lateral limits</i> (NM)	Classe <i>Class</i>	Série FL <i>FL series</i>		ACC UAC	
Designation	Coordonnées <i>Coordinates</i>	↓	↑		supérieure <i>upper</i>	inférieure <i>lower</i>			impair <i>odd</i>	pair <i>even</i>		
UN857 (RNP 10) LANZAROTE / F. DE NORONHA												
▲	BOTNO	13°30'00"N 023°14'30"W										
			223	043	218	FL 460	FL 245		A	↑	↓	ACC DAKAR 120.5 MHZ 129.5 MHZ
▲	TEKSO	09°54'30"N 025°12'30"W										
			220	040	106	FL 460	FL 245		A	↑	↓	ACC DAKAR 120.5 MHZ 129.5 MHZ
▲	DELAX	08°20'12"N 026°03'06"W										
			222	042	129	FL 460	FL 245		A	↑	↓	ACC DAKAR
▲	GAKAS	06°26'08"N 027°03'44"W										
			223	043	223	FL 460	FL 245		A	↑	↓	ACC DAKAR 
▲	ERETU	03°07'42"N 028°48'00"W										
(1) GAKAS : Intersection UL435												
ERETU : T/R Limite FIR RECIFE / UIR DAKAR OCEANIQUE												



INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
BINAD	18°04'49.63"N 016°06'14.56"W	IAF NOUAKCHOTT OUMTOUNSY
BINAS	00°38'43.80"N 009°19'18.80"E	LIBREVILLE IAF
BINAT	03°41'38.93"N 008°29'49.86"E	MALABO IAF
BINET	09°20'10.52"N 018°24'33.94"E	SARH IAF
BINOK	05°25'15.78"N 003°46'10.37"W	ABIDJAN IAF
BIPAV	02°58'56"N 002°31'20"E	
BIPER	05°28'29.90"N 003°50'15.80"W	ABIDJAN IAWP
BIPEX	04°31'12"N 001°47'24"E	UR979
BIPIV	03°10'32.90"N 006°46'57.36"E	UG856
BIPOX	04°12'14.40"N 018°27'36"E	BANGUI IAF
BIRAL	10°55'33"S 047°34'36"E	UM307 - UL433
BIRIX	06°51'48"N 012°33'05"E	UH455 - UT475
BIROV	16°47'48.33"N 002°50'14.54"W	IAF/IF TOMBOUCTOU
BISEP	06°03'35.75"N 001°26'54.14"E	LOME VOR RWY 04 IAF
BISIK	13°22'24.41"N 002°00'22.54"E	NIAMEY IAF
BISIL	01°46'45.38"S 013°37'54.37"E	
BITEX	01°15'48"N 019°51'24"W	
BOLBE	13°25'26.42"N 014°38'40.61"E	A607 T/R Limite TMA N'DJAMENA
BONBA	16°24'26.99"N 000°07'24.32"E	IAF GAO
BONKU	14°13'58"N 000°20'30"W	NIAMEY vers NOUAKCHOTT
BONRI	06°16'10"N 013°59'47"E	UT475 - UQ584
BONTO	09°11'33"N 005°55'29"W	G851 T/R Limite TMA BOUAKE
BONVI	14°54'17.70"N 017°31'30.20"W	DAKAR IAF
BORGU	14°23'34.71"N 017°42'48.46"W	
BORKI	10°42'37.59"N 017°07'48.45"E	UT325 - UW605 UTA NDJAMENA TCHAD
BORNI	09°28'24"N 002°51'21"E	UL683 - UR981
BOROM	15°48'10.46"S 046°30'28.05"E	MAHAJANGA IAF IAWP
BORSA	08°55'04.37"N 013°23'13.38"E	
BORTA	13°55'14"N 020°43'45"W	UW32 SAL OCEANIQUE / DAKAR
BOSKA	07°57'46.91"N 005°03'55.59"W	BOUAKE IAF
BOSTA	12°08'20.73"N 001°32'00.28"W	OUAGADOUGOU IAF
BOTLO	19°20'59"N 016°25'40"W	A600 C/R Limite TMA NOUAKCHOTT
BOTNO	13°30'00"N 023°14'30"W	UN857
BOTSI	07°04'51.80"N 007°40'30.40"W	MAN IAF/IF
BOVDA	12°27'05.52"N 003°37'49.31"E	UT365 - UQ592
BOVGA	01°15'58"N 008°05'00"E	B600/UB600 IAF FOOL SID-RNAV16
BOVLI	09°20'22.36"N 005°20'41.90"W	KORHOGO IAF
BRENA	26°07'00"N 006°37'00"W	UA854
BUDNO	08°55'28"N 000°30'43"E	UM566
BUDOS	17°56'08.50"N 016°04'50"W	NOUAKCHOTT IAF
BUGAM	18°18'10.70"N 013°15'37.70"W	UM725 - UB728
BULGU	16°00'00"N 008°48'20.20"E	R986 Niamey FIR - Niger
BULIS	27°40'00"N 009°08'31"W	UM122 - UM372 - UR722 - UR866 - UR977 - UR981
BULSA	12°39'00.91"N 000°32'18.51"W	UQ594 - G854/UG854 T/R Limite TMA OUAGADOUGOU/TMA NIAMEY
BUMBI	12°28'00"N 012°58'00"W	UM372 - UR722

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
BUNKA	07°03'04.77"N 005°14'01.67"W	YAMOOUSSOUKRO IAF/IF
BUNLI	14°41'35"N 008°50'22"W	G851/UG851 - UM974 Bamako TMA Boundary in Niamey FIR (Mali)
BUNLU	16°34'28"N 013°39'27"E	A607/UA607 - UM731 - UR778
BUNVO	14°38'01"N 006°47'49"W	
BUPAS	14°27'10.20"N 011°35'29.10"W	KAYES IAF
BURAT	16°56'48"N 014°51'52"E	UA403 - UG862
BURDU	12°06'21.03"N 015°40'15.54"W	BISSAU IAF
BUROM	11°45'17"N 002°55'18"W	G854 T/C Limite TMA BOBO-DIOULASSO/TMA OUAGADOUGOU
BUTEM	05°30'00"S 010°00'00"W	
BUVUK	05°30'00"N 025°50'00"W	UL435
BUXON	08°29'02"N 029°46'59"W	UL435 - UN866
CARIM	26°00'00"N 011°11'41.80"W	R975 T/R LIMIT FIR CANARIAS / FIR DAKAR
CHARI	10°55'16.13"N 015°35'51.29"E	A607 T/R Limite TMA N'DJAMENA partie 1
DAMNA	14°56'34"N 004°35'00"E	UY212 - UQ594
DEDOS	02°04'33.39"S 008°26'52.85"E	UA400 - UQ582 Brazzaville FIR (Congo)
DEDOT	09°03'03.42"N 018°12'11.77"E	SARH IAF
DEGAM	18°15'45.20"N 015°50'17.30"W	NOUAKCHOTT IAF
DEGAS	06°29'28"N 004°29'08"W	G851 T/R Limite TMA ABIDJAN
DEGIL	00°28'23.10"N 009°13'08.70"E	
DEKAR	16°47'11.98"N 002°50'20.80"W	
DEKAS	12°48'50.28"N 000°00'28.62"W	UQ594 - UA603 - UG854
DEKAT	12°39'57.10"N 007°44'40.10"W	BAMAKO IAF
DEKER	01°28'59.73"S 013°18'39.95"E	
DEKET	18°33'21"N 010°31'38"W	UQ596 - UG851
DEKOM	06°12'47.24"N 001°27'04.10"E	LOME VOR RWY 22 IAF
DEKON	05°13'00"N 031°37'54"W	UN866
DEKTU	22°00'00"N 012°28'06"E	UG727/UM727 - UM731 - G858/UG858
DELAM	14°40'30"N 029°05'36"E	
DELAX	08°20'12"N 026°03'06"W	UN857
DELIS	15°16'25"N 012°08'34"E	UG616 - UR778 - UM998
DELIX	23°34'02"N 006°55'24"W	UM725 - UR866
DELOV	18°08'09.11"N 016°19'14.55"W	MAHPNOUAKCHOTTOUMTOUNSY
DELUN	13°32'32.54"N 012°43'04.11"W	UM372 - UA601 - UR722 Dakar FIR - Senegal
DEMAP	02°31'37"N 007°25'11"E	UQ584 - UG856 UIR BRAZZAVILLE CONGO
DEMEG	17°19'53.34"N 012°56'04.64"E	UQ592 - UG727 Ndjamena FIR (NIGER)
DEMEK	00°14'43.40"N 009°23'51.80"E	LIBREVILLE IAF
DEMIL	16°27'06"N 015°29'07"W	UM725 - UR865
DEMIM	16°53'10.70"N 007°49'31"E	AGADEF IAF
DEMOX	18°31'49"N 016°00'00"E	UQ592 - UR778
DENAD	00°52'07.54"S 006°13'49"E	UG625
DENAT	11°52'58.40"N 017°34'32.67"E	UT142

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
DENER	02°05'14.90"N 009°53'13.10"E	BATA IAF
DENET	16°48'22.94"N 007°51'51.71"E	IAF AGADEZ RNP RWY 07R
DENIT	09°33'44.60"N 001°00'12.70"E	NIAMTOUGOU IAF
DENLI	10°00'00"S 050°28'12"E	UN304
DENOT	09°25'05.96"N 007°43'16.36"W	ODIENNE IAF/IF
DEPAL	14°22'35.50"N 017°04'12.10"W	BLAISE DIAGNE DIASS-THIES IAF/IF
DEPAM	13°54'00.01"N 002°10'52.94"E	
DEPOG	01°01'19.42"S 007°42'15.92"E	UA400 - UQ558 Brazzaville FIR - GABON
DEPOS	13°28'48.47"N 014°59'26.21"E	A403 T/R Limite TMA N'DJAMENA partie 1
DEPUB	09°28'24"N 002°18'29"E	UA608 - UL683
DERAB	11°44'29.03"N 015°47'45.52"W	BISSAU IAF
DERES	03°58'25.27"N 008°47'31.09"E	MALABO IAF
DESAM	03°28'33"N 012°41'47"E	UL434
DESAX	14°56'15.47"N 017°25'06.59"W	IAF DAKAR
DESIR	20°00'00"N 008°47'23"E	UB731
DETAR	12°52'59.70"N 008°48'27.42"E	UG858
DETA	12°17'10.73"N 015°11'39.23"E	N'DJAMENA IAWP
DETEK	14°23'13.17"N 017°15'17.61"W	
DETLA	07°55'44.13"N 004°59'19.46"W	BOUAKE IAF/IF
DETNU	01°42'16.54"S 012°06'17.59"E	UQ581 - UG856 UTA BRAZZAVILLE-CONGO
DEVGU	14°39'04.10"N 014°56'54.45"E	A403 N'djamena FIR (TCHAD)
DEVLI	04°00'00"N 007°30'00"W	UM237 - UQ592
DEVRA	07°20'30"N 007°24'55"W	MAN IAF
DIBGO	05°29'24"S 011°51'15"E	R526
DIGDA	06°41'44.40"N 005°26'20.37"W	YAMOOUSSOUKRO IAF
DIGRU	09°27'05.50"N 013°32'56.50"E	IAF GAROUA
DIKBA	09°47'18"N 017°37'28.98"W	
DIKNO	14°47'09.39"N 005°06'30.22"E	IAF/IF TAHOUA
DIKSU	13°14'29.60"N 003°33'05.92"E	G660 Niamey FIR - NIGER
DIKTA	18°29'54.20"N 015°49'55.40"W	
DILBA	16°09'57.36"N 000°10'09.64"W	IAF GAO
DILBI	17°59'32.40"N 016°08'43"W	
DILMA	03°32'41.21"N 011°31'19.99"E	YAOUNDE IAF/IF
DILSO	09°33'45.52"N 000°55'33.66"E	IAF NIAMTOUGOU
DIMKA	09°30'15.85"N 005°22'28.19"W	KORHOGO IAF
DIMTO	05°42'53.42"N 010°14'22.66"E	IAF BAFOUSSAM (FKKU) RNAV RWY 15
DINTA	17°34'18"N 014°50'28"E	UA403 - UR778
DIPKO	06°56'23.10"N 015°31'53.87"E	UA403 - UQ584
DIPLA	00°00'00"N 006°00'00"W	
DIPLO	04°08'04.90"S 015°23'32.60"E	BRAZZAVILLE IAWP
DIPRI	05°27'10.90"N 003°50'48.36"W	ABIDJAN IAF
DIPTO	16°35'11.12"N 003°08'42.14"W	IAF TOMBOUCTOU
DIPVA	04°18'50.38"S 015°02'17.09"E	IAF BRAZZAVILLE
DIRBA	17°55'48"S 047°00'00"E	A401/UA401
DISDI	12°04'44.50"N 015°35'25.50"W	BISSAU IAF/IF

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
DISDO	03°54'39.20"N 009°54'25"E	DOUALA IAF
DISPI	15°14'52"N 005°05'26"E	UY333 - UQ594
DITKA	00°12'15.40"N 009°44'34.30"E	
DOBAR	18°32'27"S 046°30'07"E	UA400
DOBUT	19°20'09.20"S 053°25'10.90"E	UB790
DOGON	13°35'41"N 004°21'57"E	G854/UG854 T/R Limite FIR NIAMEY/FIR KANO
DOPER	04°32'19.51"N 006°38'46.27"W	SAN PEDRO IAF
DUGLO	15°26'59.24"S 046°13'53.50"E	
DUNKO	17°16'32.24"S 049°56'32.63"E	IAF FMMS-IAC-RNP01
DUPTO	22°35'23"S 048°00'00"E	UG653 FIR ANTANANARIVO - MADAGASCAR
DURBO	12°08'18.86"S 049°09'15.71"E	IF FMNA-IAC-RNP13
DUVRI	23°09'58.18"S 043°42'43.10"E	IAF FMST-IAC-RNP22
EBAKO	01°48'09.66"N 017°49'12.55"E	UT419 - UM731
EBAMA	15°01'14.72"N 017°09'24.30"W	
EBATI	24°15'29"N 008°50'46"W	UM122 - UA854 - UR977
EBELU	15°09'39.66"N 017°26'45.63"W	
EBETI	02°48'16.48"S 008°57'46.15"E	UA400 - UT419
EBIMU	10°02'42"N 013°16'48"E	UG727
EBRAS	00°04'14.80"N 009°34'10.30"E	
EBRAX	14°30'47.84"N 017°07'14.33"W	LEOPOLD SEDAR SENGHOR IAF
EBRAX	19°26'02.24"N 014°46'15.68"E	UA403 - UQ594
EBRID	04°23'21.60"N 007°24'54.36"W	UP102
EBROT	03°51'18.44"N 009°06'48.68"E	
EBSAK	03°44'42.94"N 011°08'11.64"E	
EBSEN	04°38'42.98"S 010°16'02.67"E	UA400 - UQ560
EBSIR	18°00'14.80"N 015°31'23.30"W	
EBSIX	03°25'53.07"S 014°14'55.17"E	G856 Brazzaville FIR (Congo)
EBSUD	11°30'07"N 005°14'54"W	A601/UA601 T/R Limite TMA BOBO DIOULASSO
EBTAM	20°19'55.66"N 001°12'05.91"E	IAF/IF TESSALIT
EBTIR	03°42'11"N 017°19'01"E	Brazzaville FIR (Central African Republic)
EBULI	02°00'38"N 006°35'00"E	B600/UB600 T/R Limite FIR ACCRA/UIR BRAZZAVILLE
EBVAP	15°32'46.14"N 000°10'23.80"E	UM629
ECHED	27°40'00"N 010°37'00"W	UR975
EDAGO	19°30'00"N 007°49'03"E	UR978
EDAMA	22°11'13"S 040°37'38"E	UB536 - UG652
EDARA	15°59'39"N 012°58'40"E	UT237 - UG727 - UR778
EDDER	09°56'51.60"N 001°10'06.80"E	NIAMTOUGOU IAF
EDEBA	03°55'58"N 010°09'32"E	R984-2/UR984
EDGAS	12°28'27.40"N 001°06'15.30"W	
EDGIB	12°27'33"N 004°31'36"W	G860/UG860 T/R Limite TMA BOBO DIOULASSO
EDGUM	08°00'00"N 016°10'08"E	UM731 NDJAMENA / BRAZZAVILLE
EDKAP	13°22'51.20"N 000°50'32.13"E	A600 Niamey FIR (Burkina Faso)
EDKUS	16°58'13.83"N 007°46'40.55"E	IAF AGADEZ RNP RWY 07L
EDOTO	01°54'14.59"S 008°36'51.06"E	UQ582



INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3	INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
EGABU	17°11'55"N 014°35'47"W	UA600 - UM725	ERESA	11°38'21.22"N 019°46'44.51"E	UT142 - UM214 - UW605 - UG862
EGADU	04°51'38"N 003°00'00"W	A400/UA400 T/R limite UIR DAKAR/FIR ACCRA	ERETU	03°07'42"N 028°48'00"W	UN857
EGLIP	19°46'45"S 053°07'18"E	UA400	ERGIL	15°27'05.44"N 000°37'07.24"E	UT365 - R981/UR981 Niamey FIR
EGMAD	21°56'00"S 040°00'00"E	UG652	ERIDI	13°11'36"N 015°07'49"W	UR620 - UR979
EKDOM	12°34'48.17"N 003°27'15.78"E	UM114 - UT365	ERKAS	05°16'34.40"N 010°24'12.12"E	IAF BAFOUSSAM (FKKU) RNAV RWY 33
EMROD	06°23'28.32"N 001°18'19.58"E	LOME ILS Y or LOC Y - RWY 22 IAF	ERKEL	20°58'00"N 007°42'00"E	UT258 - R978/UR978
EMSAB	14°44'10"N 010°59'53"W	UA600 - UM974 Niamey FIR (Mali)	ERKUT	02°54'41"N 011°00'53"E	H455 T/C Limite TMA YAOUNDE/DOUALA
EMSAT	01°20'58"N 017°56'24"E	UM731 BRAZZAVILLE / KINSHASA	ERLOM	09°27'46.70"N 001°54'45.68"E	UM629
EMSUL	17°18'13"N 014°31'16"E	UR778 - UG862	ERMAS	17°02'20.42"N 008°11'23.27"E	IAF AGADEZ RNP RWY 25R
EMTAL	04°45'06"S 003°00'00"W		ERMIT	08°22'00"N 008°17'00"W	UQ594 - UR979
EMTES	02°36'15"N 009°46'57"E	G857 Limite TMA DOUALA / CTR MALABO	ERNEG	16°15'00"N 003°29'46"E	UM114 Limite UTA NIAMEY NIGER
EMTIP	00°29'18"N 012°41'35"E	UR986	EROPA	22°29'48"S 040°00'00"E	UB536/UT536
ENASA	04°00'00"N 006°26'27"W		ERPOT	06°40'21"N 017°30'32"E	A607/UA607 Limite TMA BANGUI - FIR BRAZZAVILLE - CENTRAFRIQUE
ENBOT	12°30'00"N 015°22'55.49"W	UR620 Dakar FIR (GUINEA BISSAU)	ERPUL	01°33'28"N 012°19'05"E	UG625 - UR986
ENBUT	13°17'00"N 012°42'58"E	UM998	ERTOM	13°25'51.08"N 018°09'20.39"E	UG862 - UM863
ENDEL	14°32'32"S 042°49'32"E	UM307	ERTOS	12°30'05.30"N 001°24'46.40"W	OUAGADOUGOU IAWP
ENDEM	13°45'48"N 010°10'18"W	A600 Bamako TMA Boundary. Niamey FIR	ERTOX	02°40'48"N 018°35'36"W	UA402
ENDOK	21°07'30"N 011°30'00"E	B730/UB730	ETGUN	27°00'00"S 040°00'00"E	
ENERI	10°16'03.09"N 015°53'41.87"E	UQ589 - UW605 - UA607	ETNOM	02°29'15"N 010°43'59"E	H455/UH455 - A604/UA604
ENIBU	13°11'51.75"N 009°07'22.97"W	A600 Bamako TMA Boundary in Niamey FIR	ETRIS	09°22'00"N 012°55'00"E	B736/UB736
ENIKU	03°57'43.95"S 011°13'26.31"E	R526/UR526 - UQ580 - B732 Brazzaville FIR (Congo)	ETROT	13°21'05.19"N 001°45'50.65"E	
ENINO	13°04'43"N 010°25'52"W	A601/UA601 T/R Limite TMA BAMAKO	ETRUL	15°50'33"N 000°58'52"W	A612 T/R Limite TMA GAO
ENOLI	14°11'31"N 012°27'24"E	UG622 - UM998	ETSAM	12°49'58"N 018°42'04"E	G660/UG660 - UG862
ENOLU	13°10'25"N 006°43'29"W	A612 T/R Limite TMA BAMAKO partie 1	ETSOT	00°35'33.52"S 009°53'46.36"E	UQ582 - UR987 UTA LIBREVILLE GABON
ENOXO	11°00'00"N 000°01'18.12"W	UA603	ETUDO	12°13'19.40"S 049°05'51.69"E	IF FMNA-IAC-RNP13
EPELA	14°49'19"N 002°14'17"E	B726	EVERO	23°33'41.17"S 043°38'40.41"E	IAF FMST-IAC-RNP04
EPETI	16°29'27"N 013°56'08"W	A600 T/R Limite TMA NOUAKCHOTT partie 2	EVIBO	00°34'52.05"N 017°05'21.29"E	UT143 - UA410
EPETO	09°00'20.04"N 013°05'01.76"E		GADNO	17°13'00"S 041°42'00"E	UA400
EPONA	05°55'17"N 014°50'15"E	UT475	GADPI	23°31'17.61"S 043°32'40.91"E	IAF FMST-IAC-RNP04
EPUBU	00°30'08.90"S 008°50'23.30"E	Entry/Exit point in Port Gentil CTR (GABON)	GADUT	09°16'07.94"N 005°44'37.74"W	KORHOGO IAF
EPUTA	09°49'54"N 014°41'43"E		GADUV	07°09'30"N 011°49'42"E	UQ200 - UT475 Boundary point between KANO and BRAZZAVILLE FIR
ERALU	09°21'09"N 013°51'19"E	UB736 - UM998	GADUX	04°08'02"S 015°21'52"E	BRAZZAVILLE IF
ERAPI	12°24'08.20"N 001°20'03.70"W	OUAGADOUGOU IAF	GAGAL	09°14'20.43"N 013°09'53.74"E	GAROUA IAF
ERDIT	18°30'00"N 002°19'37.74"E	B726 Niamey FIR (Mali)	GAGAS	02°05'33.19"S 013°45'06.10"E	UQ580 - UA604
ERDIV	10°45'49.30"N 004°25'58.40"W		GAGES	08°57'11.94"N 018°20'24.38"E	SARH IAF
EREBO	20°07'00"N 006°36'00"E	UY212 - A604/UA604 T/R Limite FIR ALGER / FIR NIAMEY	GAGIK	07°06'25.47"N 005°17'46.81"W	YAMOUSSOUKRO IAF
EREGO	00°00'00"N 005°26'25"E	UQ583	GAKAS	06°26'08"N 027°03'44"W	UL435 - UN857 UIR DAKAR OCEANIQUE SENEGAL
EREKA	05°59'12"N 000°47'03"E	L433/UL433	GAKDO	18°22'15.50"N 015°37'13.60"W	
EREMO	16°15'00"N 008°12'26"W	UM122 - UR977	GAKEN	10°56'46.66"N 016°47'17.96"E	UT325 - UQ589 Ndjamena FIR (Chad)
ERENA	19°58'20"N 016°40'04"W	A600 T/R Limite TMA NOUADHIBOU	GAKES	09°35'43.69"N 007°20'53.51"W	ODIENNE IAF
ERENI	17°01'35.24"N 008°12'09.89"E	IAF AGADEZ RNP RWY 25L	GAKON	00°08'51.70"N 009°08'00.80"E	
			GAKSA	10°21'27"N 018°14'34.98"W	
			GALBA	13°22'03"S 044°29'43"E	UM307 - A401/UA401

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
GALET	14°32'15"N 001°21'38"E	R981 T/R Limite TMA NIAMEY
GALIS	05°06'48.85"N 004°04'37.61"W	IAF ABIDJAN
GALIV	14°00'51"N 000°25'36"W	UM974 FIR NIAMEY - BURKINA FASO
GALMU	11°42'52.62"N 015°42'55.78"W	BISSAU IAF/IF
GALNI	01°57'52"S 016°07'40"E	A410/UA410 Limite TMA POOL BRAZZAVILLE Congo
GALOL	14°19'02.55"N 004°10'13.40"W	IAF MOPTI
GALOR	18°31'23.20"N 015°51'47.50"W	IAF NOUAKCHOTT OUMTOUNSY
GALVA	18°19'08.60"S 049°24'59.33"E	TOAMASINA IAWP
GALVO	13°39'32.35"N 008°49'21.51"E	IAF ZINDER (DRZR)RNP RWY 0 5
GAMIT	04°01'07.79"N 011°36'18.95"E	YAOUNDE IAF/IF
GAMON	18°04'41.30"N 015°49'41.10"W	IAF NOUAKCHOTT OUMTOUNSY
GAMUD	13°12'53"N 001°11'09"W	A600/UA600 - G859/UG859 Ouagadougou TMA. in Niamey FIR
GAMUS	14°39'53"N 017°01'05"E	UG617 - UG622 - UG862
GANDA	09°28'46.26"N 003°10'00.60"E	UL683
GANIT	16°46'30.88"N 011°41'58.70"E	UQ592 - UM998 Njamena FIR (NIGER)
GANOT	05°08'11"N 004°19'45.60"W	
GANSI	18°25'33.30"N 016°09'45.30"W	IAF NOUAKCHOTT OUMTOUNSY
GAPAG	11°00'00"N 000°19'30"E	UG855
GAPAK	00°56'26"N 005°30'32"E	A400 - UQ584 T/R limite FIR ACCRA/TMA SAO-TOME
GAPES	06°14'32.64"N 002°13'54.82"E	IAF COTONOU(DBBB) RNP RWY06
GAPIN	09°33'45.75"N 001°00'13.19"E	IAF NIAMTOUGOU
GAPOT	11°20'36.20"N 004°13'35.90"W	BOBO-DIOULASSO IAF
GARAN	13°47'02"N 008°27'09"W	G851 T/R Limite TMA BAMAKO
GARBI	03°52'34.40"N 011°41'20.40"E	YAOUNDE Ns. IAF
GARID	13°02'00"N 008°34'12"E	R986 Limite FIR NIAMEY / FIR KANO
GARIN	22°00'00"N 017°06'36"E	UP126 - UM214 - G655/UG655
GARLA	03°00'00"S 006°35'00"E	UQ559
GARNU	12°09'59"N 001°28'22.30"W	OUAGADOUGOU IAF
GAROS	03°53'13.20"N 009°57'15.30"E	DOUALA IAWP
GARPO	16°16'30"N 034°10'00.12"W	Dakar and SAL Oceanic boundary point
GASIM	17°07'00.22"N 008°09'26.94"E	IAF AGADEZ RNP RWY 25R
GASON	16°15'00"N 003°09'05"E	UG855
GASOT	18°03'25.88"N 015°48'54.77"W	IAF NOUAKCHOTT OUMTOUNSY
GASPI	11°29'03.88"N 017°30'06.98"E	UQ589
GASPU	18°09'32.93"N 014°49'08.98"E	UA403 - UQ592
GATAG	09°11'00"N 012°45'36"E	UQ589 - UA861
GATAM	12°25'37.30"N 008°06'53.10"W	BAMAKO IAF
GATAM	00°48'57"S 007°33'32"E	UQ360 - UA400
GATAP	16°15'32.37"N 000°12'12"E	IAF GAO
GATAX	12°04'00"N 009°50'00"W	UY509 Boundary point Roberts and Dakar FIR
GATKA	06°03'18"N 001°47'00"E	LOME STAR RNAV04 WPT
GATLA	16°37'25"S 048°49'03"E	UL441
GATRO	14°22'32.82"N 017°09'21.17"W	BLAISE DIAGNE DIASS-THIES IAF

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
GATRO	00°18'53.60"N 009°25'51.10"E	LIBREVILLE ARR
GAVBO	07°04'05.80"N 007°29'55.40"W	MAN IAF
GAVKI	05°39'19.95"N 006°23'51.19"W	B600/UB600 Abidjan UTA. Dakar FIR
GEBLU	11°46'15"N 002°53'01"W	UM104 - UA614 - UG854
GEBRO	03°02'41.21"N 008°16'10.31"E	UQ584 - B737 T/R limite TMA DOUALA
GENAM	12°38'26"N 037°07'17"W	Limite FIR DAKAR OCEANIQUE - FIR CAYENNE (Entrée/Sortie S000FRA)
GENEI	13°29'00"N 022°27'49"E	G660/UG660 T/R Limite FIR N'DJAMENA / FIR KHARTOUM
GERAG	21°30'56.90"S 052°55'12.90"E	UG653
GETIR	22°23'44.90"S 053°22'02.70"E	UA402
GEVER	17°17'52.98"S 049°44'04.85"E	IAF FMMS-IAC-RNP01
GITEP	18°56'27.97"N 007°08'21.57"E	UT258 - UA604
GODAL	00°32'55.71"N 014°33'18.02"E	UT143 - UG727
GODAT	19°59'49"S 052°00'00"E	A401
GOPUR	04°48'24"N 020°15'30"E	UT139
GOVEL	05°39'49.30"N 023°46'18.66"E	UT139 - UM215 - UT325 - UG655
GUGUS	04°07'18.72"S 015°24'16.92"E	IAF/IF BRAZZAVILLE
GULAV	11°10'00"N 014°54'00"W	B600/UB600
GULEN	13°08'11.60"N 004°07'21.10"E	G660/UG660 T/R Limite UIR KANO / UIR NIAMEY
GULEP	00°57'44"N 008°05'00"E	UQ583 - UR979
GULIM	13°36'09"N 001°02'20"W	G859 T/R Limite TMA OUAGADOUGOU
GUMAT	13°52'02.95"N 002°20'09.96"E	
GUNAK	06°22'02.79"N 001°17'30.75"E	LOME VOR RWY 22 IAF
GUNEB	09°29'35"N 019°00'00"E	UB736
GUNIV	02°00'13.41"S 010°32'54.38"E	UT419 - UR987 Brazzaville FIR - Gabon
GUNOS	04°44'18"N 008°55'50"E	UR854
GUNOT	16°00'00"N 013°19'49"W	A600
GUPAM	02°03'50"N 011°00'39"E	A604 T/R Limite TMA DOUALA / CIV BRAZZAVILLE
GUPEL	21°20'00"N 015°00'18"W	UB601
GUPOV	12°23'52"N 002°46'53"W	UM104 - UA614 - UG860
GUPUM	12°37'14"N 017°32'46"E	G660/UG660 Limite TMA NDJAMENA Tchad
GURAN	07°30'45.24"N 005°04'58.78"W	BOUAKE IAF
GUREL	10°04'55"N 006°27'06"W	G851/UG851 T/R Limite TMA BAMAKO/FIS ABIDJAN
GUROS	04°55'46.56"N 006°35'42.72"W	SAN PEDRO IAF
GUTAR	14°54'57.49"N 017°35'21.08"W	IAF DAKAR
IBMAT	28°19'06"S 057°00'00"E	UG652
IBOSO	05°04'46.84"N 021°22'05.22"E	UT139 - UM214
IDINI	17°38'35"N 015°15'57"W	UA600 - UR975
IDORO	08°01'57.65"N 002°59'33.15"W	UQ592 - UP685 - UG859
IKREL	15°07'33.21"N 017°18'13.65"W	
IKREV	11°50'23.66"N 017°58'33.89"E	UT142 - UQ589
IKREX	03°22'12.11"N 011°19'10.79"E	
IKRIS	14°58'02.46"N 005°25'37.54"E	IAF/IF TAHOUA
IKRIT	13°22'36.85"N 000°47'28.02"E	UA600 - UM629



INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3	INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
IKROP	05°46'44"N 008°52'27.50"E	UJ333 - L433/UL433 T/R Limite FIR KANO/FIR BRAZZAVILLE	IPIRO	07°17'11"N 022°44'52"E	
IKRUT	00°14'18.50"N 009°03'30.30"E		IPISU	07°11'40.40"N 021°44'12.74"E	UQ200 - UT325 - UA410 FIR BRAZZAVILLE - CENTRAFRIQUE
IKSUB	02°00'18"N 019°12'00"E	J200/UJ200 - UL434	IPOBA	22°28'36"N 001°02'54"W	UM104 - UQ596 - UA614
IKTAV	22°38'00"N 010°30'00"E	B730/UB730 T/R Limite FIR ALGER/FIR NIAMEY	IPONA	20°00'00"N 008°29'53"W	UM122 - UR977
IKTOS	05°25'26.40"N 004°18'38.20"W		IPONO	15°06'21"N 022°24'36"E	UQ589 - UG622 - UM863
IKTUL	02°43'36"S 012°13'42"W		IPOPO	16°53'02.68"N 007°49'55.82"E	IAF AGADEZ RNP RWY 07R
IKTUS	02°05'23"S 013°13'50"E	R988 T/R Limite TMA FRANCEVILLE	IPORI	09°30'20"N 000°17'52"E	UL683
ILBAS	04°52'12"N 008°37'12"E	UQ300 - UR854 Boundary point between KANO and BRAZZAVILLE FIR	IPORO	08°56'08.71"N 013°12'57.24"E	
ILBIB	12°32'42"N 022°27'00"E	UW605	IPOTA	01°12'27"N 007°24'34"E	UR979
ILBIP	15°03'50.15"N 008°12'21.33"E	UQ592 - UA604 UTA NIAMEY - FIR NIAMEY - NIGER	IPOVO	02°39'43.65"N 008°37'34.31"E	UB737
ILDAD	17°12'52"N 000°12'57"E	G859 T/R Limite TMA GAO	IPUGA	13°26'52"N 012°14'33"W	UA601 Limite UTA Dakar et UTA Bamako
ILDAN	00°35'30.47"S 007°52'36.39"E	UQ360	IPUTA	13°32'59"N 003°26'49"E	UM114 - UG854
ILDES	16°05'25"N 009°26'30"W	UY509 - UG615 - UG851 Mauritania UTA. Dakar FIR	IRADI	13°46'35.82"N 002°28'26.83"E	
ILDOR	20°09'37.12"N 018°01'19.07"E	UM214 - UQ592 - UQ594 - UG655 - UR778	IRAGA	09°32'37.34"N 022°20'18.83"E	UM215 - UG655 - UB736
ILGAS	18°40'00"N 020°00'00"W		IRAKU	06°51'36"N 027°37'18"W	UL435 - UB623 UIR DAKAR OCEANIQUE - SENEGAL
ILKAD	14°58'58"N 020°44'13"E	UM215 - UG622 UIR NDJAMENA TCHAD	IRALO	12°41'00"N 013°39'06"W	UB728
INALO	04°47'05.84"S 014°25'24.78"E	UB535	IRELA	14°00'00"N 037°26'00"W	UL435
INAMA	19°08'00"N 004°10'00"E	UG855	IRPEG	06°38'39.16"N 004°33'25.92"W	UQ592 - UG851 Abidjan UTA. Dakar FIR
INEBA	03°03'37"S 015°42'48"E	A410 Limite TMA POOL BRAZZAVILLE	IRTOG	12°12'00"N 001°48'58"E	B726 Limite TMA Niamey - Niger
INEBI	15°17'52"N 000°23'27"W	G859 Limite TMA GAO MALI	ISDET	10°01'49.34"N 015°14'25.42"E	UA403 - UQ589 - UW605
INEDI	18°33'47.80"N 016°07'29.90"W	IAF NOUAKCHOTT OUMTOUNSY	IVBAT	14°52'33"N 005°13'22"W	UG615 - UB727 Dakar FIR
INEGO	12°02'00.30"N 001°14'17.10"W		IVMED	01°42'34.46"S 011°07'46.51"E	UT419 - UG861 Dakar FIR (SENEGAL)
INEKU	07°36'46.39"N 017°05'23.17"E	UQ584 - UA607	IXAGU	19°54'41"S 045°08'46"E	UB536
INEPA	16°15'00"N 002°02'19"E	UM608	IXAMO	16°50'47"S 052°20'57"E	UR348 - UG661
INESA	13°29'44.77"N 002°24'40.44"E	NIAMEY IAF	IXARI	18°22'46"S 048°41'49"E	UR348
INEVA	06°09'01.24"N 013°43'29.12"E	UQ584 - UG727	IXAVA	17°52'58"S 049°57'50"E	UR348
INIGO	08°00'00"N 012°17'10"E	UG857	IXEBU	12°07'16"S 051°24'36"E	UN304 - UL441
ININA	07°13'31"N 013°33'49"E	UQ200 - UG727	IXENI	19°17'13"S 050°06'30"E	UA400
INISA	17°26'38"N 011°30'00"E	UT237 - UM998	IXESA	14°52'03"S 045°42'07"E	A401 T/R Limite TMA MAHAJANGA
INONU	02°17'13"N 014°17'54"E	UQ582 - UG625 - UG727 FIR BRAZZAVILLE - CAMEROUN	KABRI	06°30'00"N 011°20'59"E	G857 T/R Limite TMA DOUALA
INOSA	01°43'06"N 006°00'18"E		KAFIA	08°44'00"N 023°31'00"E	UA410
INPOS	10°22'41"N 005°31'50"W	UP685	KARTA	12°00'22.60"S 043°10'14.20"E	MORONI IAF
INUDO	13°19'55"N 018°25'40"W	UA302 - UA602 UTA DAKAR - FIR DAKAR - SENEGAL	KEDOM	26°03'43.92"S 043°30'00"E	UA402 FIR ANTANANARIVO - MADAGASCAR
IPALA	11°19'34.10"N 003°55'43.40"W		KEKAS	17°53'21"N 016°00'27.50"W	UM215 - UQ584 - UG655
IPAMU	02°41'55"S 013°20'15"E	G856 T/R Limite TMA POOL	KEKAV	09°47'42"N 022°14'41"E	
IPANI	06°33'08"N 021°00'00"E	UM214 - UA410 - UQ583	KEKOL	06°02'03"N 020°24'29"E	UA410 Limite TMA BANGUI - CENTRAFRIQUE
IPANO	16°41'04"N 011°30'00"E	UQ592 Limite FIR NIAMEY et FIR NDJAMENA - NIGER	KEKOP	02°07'59.31"N 009°49'39.60"E	
IPEKA	00°40'42"N 007°20'00"W		KELAK	12°05'18"N 014°37'58"E	G660/UG660 Limite FIR KANO et NDJAMENA
IPEXA	03°17'10.68"N 013°33'21.41"E	UL434 - UQ583 UIR BRAZZAVILLE CONGO	KELEX	07°51'47.45"N 002°21'25.67"E	UM566 - UA608 - UM629 - R984-1/UR984
IPIGU	02°36'00"S 010°10'44"E	B732 FIR BRAZZAVILLE - GABON	KELOV	03°32'49.20"N 011°30'43.10"E	YAOUNDE Ns. IAF
			KELUT	13°23'32.52"N 002°24'58.56"E	NIAMEY IAF

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
KEMAS	09°02'47.40"N 013°39'01.58"E	IAF GAROUA STAR RNAV RWY 09
KEMOX	05°25'53"N 012°05'45"E	L433/UL433 - H455/UH455 - UQ584 FIR BRAZZAVILLE
KENEX	00°48'52.43"S 012°53'41.84"E	UT419 - UQ581 - UA604 FIR BRAZZAVILLE
KENIX	00°30'33"N 011°33'20.86"E	UT143 - UQ582 Brazzaville FIR (Gabon)
KENUK	00°34'18.33"N 016°20'44.28"E	UT143 - UM998
KENUT	07°32'47.96"N 005°09'34.66"W	BOUAKE IAF/IF
KEPAS	14°48'22"N 028°28'40"W	UN741 SAL and Dakar Oceanic FIR Boundary point
KEPEG	13°47'43"N 009°40'00"W	UY509 - UA600
KEPEL	14°42'49.36"N 005°09'06.58"E	IAF TAHOUA
KEPIL	11°02'37.20"N 004°29'08.80"W	BOBO-DIOULASSO IAWP
KEPOD	22°03'22.01"N 002°06'58.67"W	UQ596 - UM629 FIR NIAMEY
KERAS	06°45'10.32"N 005°15'16.39"W	YAMOOUSSOUKRO IAF
KEROT	12°33'24.29"N 001°29'53.72"W	OUAGADOUGOU IAF
KESEN	04°01'28"S 015°21'09.50"E	BRAZZAVILLE IAWP
KETAR	03°38'49.50"N 008°30'24.10"E	MALABO IAWP
KETAS	18°05'29.70"N 015°56'53.80"W	A600/UA600 - UB601 - UG615 - UR865 - R975
KETAT	06°04'03"N 001°00'00"E	
KETEV	08°46'24"N 000°30'00"E	
KIBLO	05°02'03"N 016°57'47"E	UT475 - UM731
KIDVA	05°19'50.91"N 010°29'15.12"E	IAF BAFOUSSAM (FKKU) RNAV RWY 33
KIKSA	02°14'04.39"S 013°51'04.46"E	A604/UA604 Brazzaville FIR (Gabon)
KILDO	20°45'16.71"N 019°58'07.80"E	UM215 - UQ594
KILGU	14°56'50"N 020°17'00"E	UG622 - UG655 FIR NDJAMENA
KILMO	09°27'42.12"N 000°59'30.12"E	UL683 - B726/UB726 - R984-1/UR984
KIMBO	16°00'00"N 010°01'00"E	UQ592 - UG858
KIMGA	15°18'03.96"N 011°48'30.96"W	UA600 Limite UTA BAMAKO, UTA NOUAKCHOTT, UTA DAKAR
KIMRI	11°42'18.34"N 002°30'20.53"E	UQ592 - UR981 Niamey FIR (Niger)
KINAN	10°44'34.41"S 042°26'08.33"E	A401/UA401 - UB790 Limite FIR DAR ES SALAM et FIR ANTANANARIVO
KIPSA	06°13'06"N 002°45'00"E	UA601 Limite FIR ACCRA et FIR KANO
KIRBO	12°23'59.84"N 016°22'28.55"E	G660 Limite TMA NDJAMENA - TCHAD
KIRSO	16°52'27.62"N 002°52'11.73"W	IAF TOMBOUCTOU
KIRVU	00°00'00"N 007°00'00"W	
KISAL	10°18'11.05"N 023°25'26.26"E	UQ584
KISBA	19°30'00"N 016°29'07"W	UA600 FIR DAKAR - SENEGAL
KISDU	03°42'11"N 017°19'01"E	UG625 - UM731 FIR Brazzaville
KITEK	07°55'18.67"N 025°06'54.83"E	UQ583 FIR KHARTOUM - SUD SOUDAN
KITNI	14°45'46.49"N 015°01'00.37"W	UR865 - UM974 Dakar FIR (SENEGAL)
KITOB	15°21'43.64"N 022°58'45.72"E	UM863 Limite FIR KHARTOUM et NDJAMENA

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
KITRA	09°31'48"N 021°37'48"E	UQ584 - UB736 - UG862 FIR Ndjamena
KIVLO	09°25'58.12"N 013°34'29.22"E	GAROUA IAF
KOBDA	12°03'07.89"N 015°30'35.44"W	BISSAU IAF
KOBLA	13°48'00"N 020°42'00"E	UQ589 - UG655
KOBLO	09°39'43.41"N 007°23'57.58"W	ODIENNE IAF/IF
KOBNA	08°22'16"N 002°31'28"W	UQ592 Limite FIR DAKAR et FIR ACCRA
KOBNI	12°33'44"N 018°56'48"E	UQ589 - UG862
KODOS	01°12'12"N 026°13'00"W	LIMITE FIR DAKAR OCEANIQUE
KODOV	07°11'28"N 012°39'21"E	UQ200 - UH455
KODUS	14°31'52.26"N 017°32'14.94"W	IAF DAKAR
KOGAN	04°01'28.20"N 014°02'28.20"E	UG727 - R984-2/UR984
KOGAR	10°57'16.30"N 003°57'22.40"W	TMA BOBO DIOULASSO et UTA OUAGADOUGOU - BURKINA FASO
KOKAM	04°29'26.60"N 009°34'03.80"E	UQ300 - A604/UA604 - R854/UR854 A/UA604 - R/UR854
KOKAS	13°41'28.17"N 002°32'26.55"E	TMA NIAMEY - NIGER
KOKUT	04°57'28.28"N 006°40'25.67"W	SAN PEDRO IAF
KOLAS	00°27'52.50"N 008°59'47.20"E	TMA LIBREVILLE - GABON
KOMAB	12°44'48"N 014°28'02"W	UR865 - UR979
KOMAS	12°00'24.28"N 014°54'03.34"E	N'DJAMENA IAWP
KOMIR	18°29'37.80"N 015°44'47.20"W	IAF NOUAKCHOTT OUMTOUNSY
KONAD	18°00'00"N 010°16'47"W	G851/UG851 FIR DAKAR - MAURITANIE
KONET	05°40'01"N 003°51'24.60"W	
KONOR	09°25'19.11"N 005°21'35.03"W	KORHOGO IAF/IF
KOPED	02°06'01.50"N 009°46'27.20"E	BATA IAF
KOPOS	07°02'45.70"N 007°35'56.30"W	MAN IAF
KOPOX	01°30'29.88"N 006°34'59.88"E	UR979 Limite FIR BRAZZAVILLE et FIR ACCRA
KOREN	09°39'43.42"N 007°23'57.59"W	
KORIL	04°35'51"N 017°12'31"E	L433 TMA BANGUI - CENTRAFRIQUE
KOROB	00°00'00"N 005°00'00"W	FIR DAKAR
KORUT	13°20'59.60"N 010°37'57.50"E	UG616 - G854/UG854 Limite FIR NIAMEY et FIR KANO
KOSAB	13°31'23.58"N 007°19'19.31"E	IAF/IF MARADI
KOSAP	18°31'38.40"N 015°58'51.50"W	IAF NOUAKCHOTT OUMTOUNSY
KOSOM	14°54'44.67"N 017°04'30.34"W	BLAISE DIAGNE DIASS-THIES IF
KOTAR	03°36'56.94"N 008°35'02.43"E	MALABO IAF/IF
KURAM	11°02'03.91"N 022°56'13.65"E	UT142 FIR KHARTOUM - SOUDAN
LIDUV	18°12'11.10"N 015°45'02"W	
LIGAR	09°28'49.75"N 013°44'22.56"E	
LIGAS	01°26'00.65"S 013°22'40.93"E	
LIGAT	21°02'48.47"N 020°57'32.75"E	UQ594 Limite FIR NDJAMENA et FIR TRIPOLI
LIGIS	13°30'17.77"N 002°35'50.45"E	
LIGOR	09°43'43.12"N 007°27'01.74"W	ODIENNE IAF
LIGOV	15°28'00"N 019°24'15"W	R976 Limite TMA DAKAR - SENEGAL
LIKAD	05°07'24"S 011°42'10"E	UW118/W118 - UY339 - R526/UR526 Limite TMA POINTE NOIRE et FIR LUANDA



INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
LIKAS	07°32'20.70"N 005°08'19.30"W	BOUAKE IAF/IF
LIKAT	16°03'12.82"N 015°22'26.71"W	UQ596 - UR865 UTA DAKAR - FIR DAKAR - SENEGAL
LIKEM	11°58'15.30"N 001°20'23.60"W	
LIKIT	12°29'06"N 005°22'31"W	G860 Dakar FIR (Mali)
LIKUL	02°03'29.24"N 009°58'35.44"E	
LILAM	13°29'33.72"N 002°24'41.12"E	NIAMEY IAF
LILAT	00°40'55.80"N 009°23'48"E	
LILEB	06°19'42.76"N 001°23'02.25"E	LOME ILSY or LOC Y - RWY 22 IAF
LILEP	18°06'34.40"N 016°13'14.04"W	IAF NOUAKCHOTT OUMTOUNSY
LILIK	03°50'08"N 010°49'00"E	R984-2 Brazzaville FIR (Cameroon)
LIMAM	12°30'05.30"N 001°24'46.40"W	OUAGADOUGOU IAF
LIMAX	16°44'55"N 017°20'07"W	B600/UB600 Limite TMA NOUAKCHOTT et TMA DAKAR
LIMEN	03°49'26.05"N 011°16'21.74"E	YAOUNDE IAF
LIMOD	13°35'32.73"N 008°52'28.29"E	IAF ZINDER RNP RWY 05
LINAD	06°26'12"N 017°05'30"E	
LINAR	18°09'29.70"N 016°09'38.70"W	MAHWP NOUAKCHOTT OUMTOUNSY
LINOP	12°03'16.11"N 014°49'43.58"E	N'DJAMENA IAF
LINOS	04°25'32.20"S 015°08'49"E	IAF BRAZZAVILLE
LIPAN	14°53'42.43"N 005°28'14.03"E	IAF TAHOUA
LIPEK	14°22'38.18"N 016°59'03.04"W	BLAISE DIAGNE DIASS-THIES IAF
LIPEN	14°30'37.40"N 011°13'05.20"W	KAYES IAF
LIPET	13°55'59"N 000°00'50"W	UA603 - UM974
LIPIM	12°24'36"N 003°06'02"W	G860 Limite TMA BOBO DILOULASSO et TMA OUAGADOUGOU
LIPIV	14°27'44"N 014°57'19"E	UA403 - UG622
LIPUR	16°39'20.90"N 003°10'37.10"W	
LIRID	03°44'12.30"N 008°31'21.60"E	MALABO IAF
LIRUR	14°42'41.95"N 003°59'04.62"W	IAF MOPTI
LISED	14°22'44.32"N 004°13'42.65"W	IF MOPTI
LISEK	05°23'07.33"N 010°34'18.19"E	IAF BAFOUSSAM (FKKU) RNAV RWY 33
LISIT	03°00'00"S 015°22'12"E	A403 Limite TMA POOL partie 1 - BRAZZAVILLE - CONGO
LITAK	11°00'00"N 003°29'01"E	UM114
LITAM	11°16'36.20"N 004°10'31.20"W	BOBO-DIOULASSO IAWP
LITAT	00°48'50"S 012°53'40"E	A604 T/R Limite TMA FRANCEVILLE
LITAV	09°19'21.21"N 013°09'34.22"E	IAF GAROUA
LITED	05°38'32.60"N 004°05'09.30"W	
LITIL	15°18'40"N 006°41'53"W	UM108 - UG615 - UB735
LITOB	10°44'55.80"N 004°19'15.90"W	
LOLOS	21°51'30"N 016°40'14"W	A600 T/R Limite TMA NOUADHIBOU
LOPIN	23°49'45"S 050°00'00"E	UA402
LOSGO	10°48'29.80"N 015°09'58.58"E	A403 T/R Limite TMA N'DJAMENA partie 1
LOSNA	18°09'29.70"N 016°09'38.70"W	IAF NOUAKCHOTT OUMTOUNSY
LOVNA	02°47'34.58"N 004°17'29.11"W	Abidjan UTA. Dakar FIR

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
LOVSO	09°26'52.12"N 005°44'05.03"W	KORHOGO IAF
LUBLO	07°06'21.79"N 005°23'38.59"W	YAMOOUSSOUKRO IAF
LUBRI	00°40'10.30"N 009°03'11.20"E	
LUGEX	08°25'54.35"N 003°25'14.71"W	UM104 - UA614 - UP685
LUGMA	04°34'35.34"N 006°33'52.19"W	SAN PEDRO IAF
LUKNA	17°44'05"N 001°53'18"W	UM104 - UT365 - UA614 - UB727
LUMPO	15°40'48"N 020°00'00"W	R976/UR976 T/R Limite FIR DAKAR / FIR SAL OCEANIQUE
LURTI	04°50'36"N 015°43'37"E	A403/UA403 - L433/UL433 T/R Limite TMA BANGUI
LURTO	11°41'16.13"N 015°38'06.10"W	BISSAU IAF
LUSKA	00°33'03"S 016°39'43"E	A410/UA410 - UQ580 - UM998 FIR BRAZZAVILLE
LUSTI	12°19'05"N 016°29'00"W	A602/UA602 T/R Limite FIR DAKAR/TMA BISSAU
MAEVA	16°23'45"S 053°21'31"E	UN304 - UR348 - UL433
MAROF	12°18'34"S 046°08'00"E	UM307 - UG661 - UR775
MAURI	21°20'00"N 016°52'26"W	A600
MEGOR	00°45'32"S 009°54'34"E	R526 Limite TMA LIBREVILLE partie 1 GABON
MEGOS	11°45'04.42"S 043°04'39.88"E	IAF MORONI
MEGOT	05°48'42"N 007°26'30"W	B600/UB600 T/C Limite TMA ROBERTS/Secteur d'ABIDJAN
MEKAL	09°23'58"N 015°18'01"E	A403/UA403 - UB736 T/R Limite TMA N'DJAMENA partie 2
MEKIV	12°17'34"N 017°21'11"W	UG853 FIR DAKAR - SENEGAL
MEKOP	06°04'33.39"N 001°03'15.14"E	LOME RNP RWY 04 IAF
MELAL	17°51'25.70"N 015°35'26.40"W	
MELEL	03°37'28"S 012°28'45"E	R988 Limite TMA POINTE-NOIRE CONGO
MEMAR	09°26'01.30"N 005°46'24.70"W	KORHOGO IAF
MEMER	04°54'04.80"N 006°30'59.80"W	SAN PEDRO IAF
MENAX	07°15'27"N 014°27'25"E	UQ200 - UM998
MENES	18°18'22.50"N 015°53'18.30"W	
MEPON	04°23'36"N 001°58'24"E	
MERAR	18°22'44.90"N 015°44'07.50"W	IAF NOUAKCHOTT OUMTOUNSY
MEREK	13°33'53.82"N 006°55'14.90"E	IAF MARADI
MERIG	00°45'48.20"N 009°07'38.30"E	
MERIP	12°41'41"N 006°34'31"W	A600 Limite TMA BAMAKO partie 1 MALI
MERON	04°55'00"N 024°02'42"E	UM215 - UT419 - UQ580 - UG655
MERUD	10°46'36"N 030°45'18"W	UN741 - Point in Dakar Oceanic FIR
MESER	14°44'55"N 011°56'19"W	UM974 Limite UTA BAMAKO MALI
MESIN	03°39'08.71"S 011°36'06.84"E	UY339 - UQ580 - UG861
MESUL	14°48'49"N 011°49'45"W	A600
METEV	09°21'57.94"N 012°55'27.46"E	
METOX	06°28'26.05"N 002°32'22.71"E	IAF COTONOU(DBBB)ILSY RWY24
MIDRI	13°26'02"S 052°00'00"E	UN304
MIGED	00°24'12"S 017°30'42"W	
MIGNI	17°49'22"N 005°41'26"E	UY212 - UY333
MIKMA	00°09'32"S 014°39'34"E	UG727

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
MILDA	09°21'06.40"N 007°40'12.19"W	ODIENNE IAF
MILRA	11°59'39.81"N 014°53'16.74"E	N'DJAMENA IAF/IF
MIMBA	13°04'59.60"N 008°23'33"E	A604/UA604 Limite FIR NIAMEY / FIR KANO
MINBA	19°45'12"N 013°58'19"W	R975 T/R Limite TMA NOUAKCHOTT
MINVO	12°03'24"N 006°39'45"W	A601 T/R Limite TMA BAMAKO partie 1
MIPDO	06°55'21.67"N 022°05'59.99"E	UT325 - UQ583 Brazzaville FIR - Central African Republic
MIPNA	15°24'38"N 009°08'51"W	G851 T/R Limite FIS NOUAKCHOTT/TMA BAMAKO
MIRBO	06°22'33.70"N 001°00'00"E	LOME STAR RNAV 04 WPT
MIROV	10°00'00"S 052°36'00"E	UL441
MISRU	08°00'00"N 020°39'22"E	UM214 - UT325
MISTI	00°43'41.43"N 011°53'07.51"E	UQ582 - A604/UA604
MIYEC	23°42'00"N 012°59'00"W	UT365 - G851/UG851 T/R Limite FIR CANARIES/FIR DAKAR
MOBKA	04°19'06"N 019°38'00"E	TMA BANGUI/ TMA GBADOLITE
MOBNA	04°05'51"N 002°42'40"E	
MOGNI	08°33'30"N 026°50'42"W	UB623
MOGSA	14°41'18"N 020°12'41"W	UW31/W31 - A602/UA602 T/R Limite FIR SAL OCEANIQUE / FIR DAKAR
MOGSI	01°11'57.92"N 008°42'17.21"E	UQ583 - UG856 Libreville UTA. Brazzaville FIR
MOKAL	04°04'36.90"N 009°34'46.90"E	DOUALA IAF
MOKAR	05°31'27.20"N 004°14'53.50"W	
MOKAT	20°56'00"N 001°10'00"E	G859/UG859 T/R Limite FIR ALGER / FIR NIAMEY
MOKER	12°26'46.21"N 001°19'39.21"W	OUAGADOUGOU IAF
MOKIK	11°12'36.20"N 004°07'26.60"W	BOBO-DIOULASSO IAF
MOKIM	07°53'41.29"N 004°54'43.38"W	BOUAKE IAF
MOKOB	01°56'30"N 006°42'40"E	UQ584 - UB600
MOKOD	16°24'47.90"N 013°25'45.80"W	UA600 - UB728 T/R limite UIR/UTA DAKAR
MOLAN	07°06'57.90"N 007°45'04.50"W	MAN IAF
MOLAR	07°38'41"N 003°07'23"W	TMA ABIDJAN
MOLIT	13°45'06"N 008°19'48"E	A604/UA604 - G854/UG854 T/R limite FIR KANO / N'DJAMENA / BRAZZAVILLE
MOLUG	01°52'43.59"S 013°29'52.36"E	
MOMIG	10°36'12"N 013°29'33"E	UM998
MOMOT	03°38'21.46"N 011°23'40.46"E	YAOUNDE IAF
MONAN	09°33'18"N 023°40'00"E	UB736
MONEK	04°07'52.70"S 015°24'44.30"E	IF BRAZZAVILLE
MONIT	01°44'49.12"N 009°38'07.52"E	
MONOS	06°15'57"N 001°47'00"E	L433/UL433
MONUK	17°16'06"N 013°21'12"W	UQ596 - UG615 - UB728
MOPAL	11°17'47"N 008°25'11"W	UG852
MOPAV	13°54'08"N 009°08'58.06"E	IAF ZINDER RNP RWY 23
MOPEB	06°48'25.58"N 005°33'50.54"W	YAMOUSOUKRO IAF
MORAR	09°55'47.46"N 001°15'09.62"E	IAF NIAMTOUGOU
MOROS	02°48'24"N 015°42'55"E	A403/UA403 - UL434 - UG625 - UM998

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
MOSIG	04°19'59"S 015°00'34"E	BRAZZAVILLE IAWP
MOTEN	00°41'48"N 009°17'50"E	
MOTET	05°08'46"N 013°52'28"E	L433/UL433 - UG727
MOTOP	13°45'37"N 008°37'38"E	G854 - R986 T/R limite FIR NIAMEY / FIR KANO
MOTUS	05°34'56.10"N 004°11'19.10"W	
MOVAG	13°24'53"N 002°35'32.73"E	
MOVID	13°35'34.87"N 002°24'23.62"E	NIAMEY IAF
MOVOD	00°43'24"S 010°53'25"E	UG856 - UG861
MOVUX	10°52'36.39"N 003°47'44.82"W	UQ594 - UA601
NAKOL	04°03'48.20"S 015°14'12.30"E	BRAZZAVILLE IAF
NALAT	09°18'07.68"N 013°45'53.13"E	
NALET	17°26'52"N 013°54'28"W	UG615 - UR620
NAMEX	17°49'51"N 015°36'41.05"W	
NAMIS	18°36'43"N 011°30'00"E	UQ594
NAMOR	08°00'00"N 014°14'40"E	UM998 NDJAMENA / BRAZZAVILLE
NAMOS	17°54'00.19"S 049°22'07.50"E	TOAMASINA IAWP
NANGA	10°24'30"N 002°50'00"W	A601/UA601 T/R Limite TMA BOBO DIOULASSO / FIR ACCRA
NANIG	03°19'29.37"N 011°41'51.18"E	
NANIK	06°20'30"N 033°10'18"W	UN741
NANOS	13°45'59"N 005°45'57"E	UT258 - UQ592 - UB731
NANTA	21°50'34"S 051°30'00"E	UG653
NANUS	16°48'18"N 011°56'52"W	UM372 - UG615 - UR722
NAPAP	04°00'48.01"N 008°22'49.49"E	
NAPEN	12°58'46.27"N 019°30'43.33"E	UM214 - UQ589 - UG660
NAPIL	17°06'15.04"N 008°10'13.91"E	IAF AGADEZ RNP RWY 25L
NAPTU	12°30'59"N 006°34'03"W	G860 T/R Limite TMA BAMAKO
NAPUX	04°27'00.61"S 015°09'05.59"E	IAF BRAZZAVILLE
NARAB	12°46'26"N 014°09'12"E	UG620
NARAG	14°33'10.10"N 017°22'01.51"W	IAF DAKAR
NARAT	14°56'36.20"N 018°00'00"W	UG853 - UR976
NARPI	01°28'04"N 006°08'18"E	UQ584
NARTU	08°00'00"N 014°45'22"E	UG624
NASED	08°00'00"N 017°59'40"E	UQ584
NASTO	09°52'48"N 003°30'24"E	
NATAS	16°00'24"N 033°00'00"W	Point on Sal Oceanic FIR / Dakar Oceanic FIR - entry / exit points
NATGO	18°00'00"N 008°58'06"E	R986
NATNA	05°20'44.50"N 004°20'10.80"W	
NATRI	05°43'18.01"N 010°27'27.76"E	IAF BAFUSSAM (FKKU) VOR RWY 15
NAVKI	13°15'41"N 003°26'29"E	UM114 - UG660 FIR NIAMEY
NAVON	11°00'00"N 001°12'54"W	R982/UR982
NAVTO	00°17'21.22"S 010°21'11.72"E	UQ582 - UG856 FIR BRAZZAVILLE
NEBDO	13°04'20.67"N 002°04'51.61"E	
NEBEX	00°30'55.65"N 012°01'28.83"E	UT143 - UA604
NEBRA	18°28'35.62"N 011°00'20.84"E	UQ594 - UG858 - UM998



INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
RAKUT	11°59'59.50"N 014°53'37.40"E	N'DJAMENA IAF
RALAR	11°00'00"N 003°29'01"E	
RALAT	07°38'18.24"N 005°15'50.07"W	BOUAKE IAF
RALER	00°11'57.20"N 009°05'08.50"E	
RALIN	04°28'12"N 008°16'48"E	UR984
RAMET	09°00'07.70"N 018°16'18.10"E	SARH IAF/IF
RAMEX	04°26'09.70"S 015°09'31.10"E	BRAZZAVILLE IAF
RAMIN	04°53'40.51"N 006°46'33.31"W	SAN PEDRO IAF
RAMOR	00°26'26"N 006°35'00"E	A400/UA400 T/R limite FIR ACCRA/FIR BRAZZAVILLE
RAMUP	16°57'40.94"N 008°13'19.71"E	IZF AGADEZ RNP RWY 25R
RANAP	09°19'21.20"N 013°09'34.21"E	GAROUA IAF/IF
RANID	06°23'36.88"N 002°35'59.96"E	IAF COTONOU(DBBB)ILSY RWY24
RANOS	09°15'21.36"N 005°37'54.35"W	KORHOGO IAF
RANUS	00°55'16.63"N 016°14'49.68"E	UT419 - UM998
RAPIM	02°03'28.14"S 010°26'29.45"E	UT419 - UR526 - UQ561 - UQ562 GABON
RAPOD	03°31'48.97"N 011°36'15.49"E	YAOUNDE IAF
RAPUT	04°36'46.50"S 015°17'33.40"E	BRAZZAVILLE IAF
RASAD	01°11'24"N 003°00'00"W	
RASIS	03°57'24.17"N 011°44'57.93"E	YAOUNDE IAF
RASOP	02°34'02.88"S 011°20'16.64"E	UQ581 - UG861
RASUK	04°11'23.76"S 015°27'41.20"E	IAF BRAZZAVILLE
RATEK	09°30'03.87"N 006°06'25.80"W	UQ594 - UG851
RATOD	10°03'57"N 013°38'53"E	UG857 - UM998
RATOS	00°36'31.80"N 009°14'49.50"E	
RATUS	05°46'49.93"N 025°32'01.11"E	UT419 - UG862
RAVOT	13°32'59"N 013°02'57"E	UG620 - UG727
RELEN	11°56'03.47"N 014°56'49.81"E	N'DJAMENA IAF
RILOS	13°15'07.16"N 002°31'39.62"E	
RIMEN	14°26'25.76"N 004°17'12.22"W	IAF MOPTI
RIMOB	05°00'49.73"N 017°52'02.84"E	UQ583 - UG624
RIMOT	09°20'57.30"N 013°34'48.40"E	GAROUA IAF
RINEL	05°04'33.60"N 004°00'08.10"W	ABIDJAN IAF
RIPOL	14°04'53"N 011°30'00"E	UG616 - UG622
RIPOP	05°57'02.23"N 001°12'40.07"E	LOME RNP RWY 04 IAF
RIPUL	13°43'05"N 005°39'52"W	A612/UA612 T/R Limite TMA BAMAKO partie 2
RIRAG	05°50'06.61"N 005°27'43.59"W	UV207 - UQ592 Abidjan UTA. Dakar FIR
RIROT	08°00'00"N 015°59'40"E	
RISOT	09°44'51.04"N 007°33'48.80"W	ODIENNE IAF
RISUB	12°49'48"N 009°21'00"E	R778/UR778
RITAT	13°28'25.60"N 002°00'04.90"E	NIAMEY IAF
RITIL	02°14'03"N 007°45'55"E	B737 T/R limite TMA SAO-TOME
RIVED	16°44'29.33"N 003°12'37.25"W	IAF TOMBOUCTOU
RIXAS	07°04'31.90"N 007°40'39.70"W	MAN IAF/IF
ROMAS	10°47'44"N 036°19'16"W	Limite FIR DAKAR OCEANIQUE - FIR CAYENNE (Entrée/Sortie SOOOFRA)

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
RULDO	08°00'00"N 016°55'00"E	A607/UA607 T/R Limite FIR N'DJAMENA/FIR BRAZZAVILLE
RULPO	12°30'52.30"N 001°35'20.40"W	OUAGADOUGOU IAF
RUPIG	15°35'31"S 055°30'00"E	R348/UR348
RUSMO	14°54'47.35"N 016°59'20.52"W	BLAISE DIAGNE DIASS-THIES IAF
RUVNI	04°06'12"N 019°38'18"E	L433 T/R Limite TMA BANGUI / TMA GBADOLITE
SABDU	18°58'50"N 014°53'57"W	R975 T/R Limite TMA NOUAKCHOTT
SABGO	05°49'41"N 001°47'00"E	TMA LOME
SABSA	03°07'27"N 018°03'02"E	A410 T/R Limite TMA BANGUI partie 1
SABSI	14°42'49"N 011°30'00"E	UR778
SADBA	08°56'30"N 027°20'06"W	UN873 FIR DAKAR OCEANIQUE
SADKA	22°52'41.80"N 010°26'06.70"W	UT365 - UM372 - UR722 - UA854
SAGRO	10°35'00"N 030°51'48"W	UN741
SAGVI	01°27'05.73"N 007°36'48.70"E	UB600 UTA SAO TOME in BRAZZAVILLE FIR
SAKLI	16°02'56.70"N 016°27'25.70"W	R975/UR975 Point within Dakar TMA and UTA
SAKNI	03°45'45.81"N 009°07'31.63"E	
SASSA	07°37'51.90"N 013°41'43.20"E	TMA N'GAOUNDERE
SBITA	25°05'33"N 005°00'04"W	UM725
SEMAX	03°22'15.80"N 004°33'13.70"W	
SEMEB	06°43'54.12"N 002°01'12"E	TMA COTONOU
SEMIR	10°41'22"N 014°03'48"E	UG857
SEMOK	16°00'00"N 014°53'58"E	A403
SEMOS	12°11'03.20"N 001°54'04.10"W	
SEMUL	05°00'00"S 008°00'00"E	UQ562 Brazzaville FIR (Congo)
SEMUR	14°35'20"N 005°33'40"W	UB727 - UM974 FIR DAKAR TERRESTRE
SENAB	04°54'35"N 001°11'30"E	
SENON	01°44'10.02"N 009°07'58.02"W	
SENOT	05°08'34.30"N 003°31'34.10"W	
SENOX	25°33'16"N 007°18'09"W	UA854 - UR981
SEPAK	03°38'13.71"N 011°57'41.38"E	
SEPAS	00°06'00.80"N 009°11'47.60"E	
SEPAT	14°12'29"N 006°00'29"W	UB727
SEPEL	17°50'02"N 015°07'18"W	UG615 - UR975
SEPOM	17°20'00"N 020°00'00"W	
SERAG	14°15'29.47"N 003°27'35.01"E	UM114 - UQ594
SERAL	02°20'57"N 017°45'26"E	A410/UA410 - UL434 T/R Limite TMA BANGUI partie 2
SERIM	03°07'24"S 020°24'30"W	
SEROD	06°20'42"N 022°58'30"W	FIR DAKAR OCEANIQUE - SENEGAL
SEROR	21°33'58"N 011°54'02"W	G851/UG851 - UA854 Nouakchott UTA (MAURITANIA)
SESAL	04°09'55.60"N 018°34'48.30"E	BANGUI IAF
SESAM	13°42'38"N 007°07'31"E	G854/UG854 T/R Limite FIR KANO/FIR NIAMEY
SESIG	04°57'14"N 003°00'00"W	UR979

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
SETID	13°19'55"N 011°40'00"W	A601 FIR DAKAR TERRESTRE
SETOG	13°58'07.82"N 009°05'51.31"E	IAF ZINDER RNP RWY 23
SETOL	03°48'58.43"S 011°24'07.49"E	UQ580 - UR987 Brazzaville FIR - Congo
SEVAM	04°00'00"N 005°50'21"W	
SEVOK	05°17'27.86"N 010°21'15.80"E	IAF BAFOUSSAM (FKKU)VOR RWY 33
SEXAT	05°38'35"N 010°45'09"E	L433/UL433 - G857/UG857 - UR986 Brazzaville FIR - Cameroon
SEXEM	10°47'40.41"N 006°52'34.54"W	G851/UG851 - G854/UG854 Dakar FIR (Mali)
SEXOR	01°36'40.55"N 017°28'41.75"E	UA410 - UT419
SIBAX	00°43'36"N 016°17'24"W	
SIBED	08°00'24.87"N 013°29'50.44"E	IAF GAROUA
SIBEX	02°57'33.08"S 010°59'21.62"E	UQ581 - UR987
SIBIG	14°32'31.24"N 017°27'08.24"W	IAF/IF DAKAR
SIGAL	12°18'00"N 014°28'48"E	G854/UG854 T/R Limite FIR KANO/N'DJAMENA/BRAZAVILLE
SIRPA	01°36'30"N 006°18'29"E	UQ584 - UR979
SIRTO	11°00'00"N 002°37'23.88"E	R981/UR981 T/R Limite TMA NIAMEY/ TMA COTONOU
SISNU	14°02'36.61"N 014°49'10.38"W	UA601 - UR620 - UR865 Dakar FIR (SENEGAL)
SISTA	01°20'29"S 007°55'49"E	UA400 - UQ559
SITBI	01°42'34.11"N 009°42'35.40"E	
SITMI	18°05'53.20"N 016°20'30.90"W	MAHWP NOUAKCHOTT OUMTOUNSY
SOAVI	13°35'36"S 046°12'43"E	UR775 - UB790
SOBNO	16°38'36"N 014°24'24"W	UQ596 Limite UTA Dakar/UTA Nouakchott-FIR DAKAR
SOGRO	03°51'42.27"N 008°54'57.61"E	MALABO IAF
SOKMA	17°48'51.16"N 014°01'35.73"E	UQ592 - UG862 Niamey FIR (NIGER)
SOLAL	11°53'06"S 041°49'36"E	UN305
SOLMA	19°23'03"N 004°48'50"W	UM108 - UT365 - UB735 - UR866
SOLVI	05°09'59.92"N 018°10'35.05"E	UQ583 - UA607
SOMSI	03°02'00"N 018°35'00"E	BANGUI vers MBANDAKA
SONKO	15°05'12"N 002°46'06"W	UA612 - UR866
SOPOG	06°01'15.29"N 025°15'53.52"E	UT139 - UG862
SOPVI	19°15'01"S 046°34'25"E	UB536
SORKA	13°07'52.35"N 001°56'12.42"E	
SUNIR	24°18'06"S 040°00'00"E	UT122 - UG653
TABNO	10°23'42"S 043°38'12"E	UG661
TAKUM	06°54'00"N 010°19'48"E	UR986
TAMIL	10°35'00"N 000°01'00"E	UA603 - UG855 - R984-1/UR984
TAMOL	07°33'08.23"N 004°58'40.58"W	BOUAKE IAF
TAMUL	19°59'00"N 011°10'16"W	UM372 - UR722 - UM725 - G851/UG851
TANAD	14°20'52.33"N 013°52'05.04"E	UT237 - UG622
TANAS	03°31'08.42"N 008°29'50.95"E	MALABO IAF
TANAX	16°39'50.24"N 003°10'39.65"W	IAF/IF TOMBOUCTOU
TANEB	18°28'57.50"N 016°04'31.70"W	IAF NOUAKCHOTT OUMTOUNSY
TANIS	04°22'55.50"S 015°05'41.30"E	IF BRAZAVILLE

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
TANIS	04°22'55.50"S 015°05'41.32"E	BRAZAVILLE IAF/IF
TANON	09°15'56.52"N 013°35'07.57"E	GAROUA IAF
TAPAK	13°58'56"N 010°40'08"E	UG622 - UR778
TAPEK	02°36'09.76"N 011°57'04.69"E	UQ583 - UR986
TAPIL	01°47'57"S 010°27'09"E	R987/UR987 T/R Limite TMA LIBREVILLE
TAPIX	09°13'51.17"N 005°22'32.02"W	KORHOGO IAF
TAPOS	03°31'33.50"N 011°31'08.10"E	YAOUNDE IAWP
TAPUS	19°27'39.44"N 008°27'19.63"W	UM122 - UY509 - UQ596 - UR977
TAPUT	09°14'18.71"N 018°32'46.74"E	SARH IAF
TAREN	13°18'47"N 000°00'38"W	UA600 - UA603
TARIM	15°10'23.88"N 029°32'30.12"W	SAL and Dakar Oceanic boundary point
TARIX	03°34'50.22"N 011°40'09.72"E	YAOUNDE IAF
TAROV	02°01'34.30"N 009°57'58.80"E	BATA IAF
TASIL	04°00'18"N 029°59'24"W	UN873
TASIN	03°37'13"S 011°18'28"E	R987 T/R Limite TMA POINTE NOIRE
TASOK	00°04'42.40"N 009°35'13.20"E	
TASOM	05°34'48"N 015°39'30"E	UA403 - UT475
TASUB	09°31'47.92"N 001°04'52.66"E	IAF NIAMTOUGOU
TASUT	14°55'36.54"N 017°30'13.85"W	IAF DAKAR
TATAB	12°30'34.60"N 001°25'34.60"W	OUAGADOUGOU IAF
TATAT	11°00'00"N 002°16'24"E	UA608
TATOR	04°34'01.21"N 006°43'29.06"W	SAN PEDRO IAF/IF
TAVAL	05°19'58.90"N 003°31'06.20"W	
TAVIL	18°08'44"N 001°25'44"W	UB727 - UR981
TAVOT	13°04'59"N 002°40'09"W	UM104 - UA600 - UA614
TEBKA	06°09'43.50"N 002°17'32.03"E	IAF COTONOU(DBBB) RNP RWY06
TEKSO	09°54'30"N 025°12'30"W	UN857 - Point in Dakar Oceanic FIR <u>UN857</u>
TEKTI	04°00'00"N 018°44'12"E	UA607
TEMKI	00°08'26"S 009°03'58"E	G857 T/C Limite TMA LIBREVILLE / TMA PORT GENTIL
TEMLA	00°37'16.98"S 009°51'10.50"E	UR526 - UQ582 UTA LIBREVILLE - FIR BRAZAVILLE - GABON
TENKI	00°44'08.12"S 009°57'43.95"E	R987 Brazzaville FIR (Gabon)
TENPO	14°42'35"N 009°34'39"W	UY509 - UM974
TENTA	01°30'00"S 006°35'00"E	UQ360
TENTU	09°04'00.12"N 002°55'59.88"E	R981/UR981 T/R Limite TMA COTONOU / FIR ACCRA
TERAS	20°44'25"N 001°47'40"E	UM608 - UB727
TERBI	05°46'09.88"N 010°19'25.90"E	IAF BAFOUSSAM (KKU) RNAV RWY 15
TERTA	03°27'41"N 001°11'30"E	
TESKI	02°23'01.30"N 004°52'52.90"W	
TESTI	20°15'25.30"N 000°59'17.40"E	UB727 - G859/UG859
TETRO	25°29'12"S 040°00'00"E	UG654
TEXAT	16°54'58.37"S 049°41'24.73"E	IAF FMMS-IAC-RNP19
TIDAL	18°08'13"S 044°58'58"E	UA400
TIDOB	15°57'42"S 054°31'28"E	UR348 - UA665



INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3	INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
TIGOK	15°00'00"S 053°52'17"E	UA665 FIR ANTANANARIVO - MADAGASCAR	TUTOL	16°14'24.45"N 000°12'33.83"W	IAF GAO
TIGUR	19°28'21"S 050°03'49"E	A401/UA401 T/R Limite TMA ANTANANARIVO	TUVAT	18°02'52"N 015°53'39.30"W	IAF NOUAKCHOTT OUMTOUNSY
TIGUS	17°27'03"S 050°58'10"E	UR348 - UB790	TUXID	10°00'23.37"N 005°07'28.94"W	UQ594 - UP685
TIKAN	14°39'30"S 046°16'41"E	UR775	TUXOL	17°31'06.59"N 013°21'19.29"E	UQ592 - UA607 - UM731 Niamey FIR (NIGER)
TIKAP	16°01'16"S 049°10'13"E	UL441 - UB790	UBALA	04°02'50.80"S 015°13'45.90"E	IAF BRAZZAVILLE
TIKEL	13°37'35"S 050°33'10"E	UL433 - UL441	UBALO	00°42'51"S 007°29'15"E	A400/UA400 T/R limite TMA SAO-TOME
TIKEM	15°30'43.20"S 046°10'25.70"E	MAHAJANGA IAF	UBATA	14°45'13.50"N 012°26'05.20"W	UM372 - UR722 - UM974
TILUX	23°36'04.72"S 043°44'40.28"E	IAF 09AD2-FMST-IAC-RNP04	UBATI	11°44'49"N 009°01'22"W	B727/UB727 UBATI : T/R Limite FIR ROBERTS/FIR DAKAR TMA BAMAKO
TIMAK	05°20'00"S 010°00'00"E	UQ560 - UQ580	UBEKA	03°46'31.58"N 011°57'54.74"E	
TIMOX	17°51'54"N 013°47'37"W	UR620 - UM725	UBEVA	13°44'37"N 004°44'50"E	UY333 Boundary point between Kano and Niamey FIRs
TINET	04°02'00"N 011°31'23.30"E	IAF YAOUNDE	UBOLA	00°29'08.50"N 009°49'38.60"E	
TINEV	06°05'50.01"N 001°04'06.54"E	LOME VOR RWY 04 IAF	UBOLI	03°45'57"S 011°04'23"E	B732 T/R limite TMA POINTE NOIRE
TIPAD	15°35'48.40"N 012°14'09.20"W	UM372 - UA600 - UR722	UBOSU	04°48'24"N 011°06'14"E	UQ584 - UR986 Brazzaville FIR (Cameroon)
TIPEM	14°29'03.50"N 020°48'04.04"E	UM215 - UM863	UBOXA	13°15'15.58"N 000°43'16.24"W	A600 Niamey FIR (Burkina Faso)
TISEN	24°11'04"N 006°09'16"W	UM725 - UR981	UBOXI	04°56'07.17"N 006°36'54.94"W	SAN PEDRO IAF/IF
TITAS	07°16'57.08"N 023°10'37.92"E	UQ200 - UM215 - UQ583 - UG655	UBUTU	07°11'42"N 008°10'48"W	B729/UB729
TITAT	09°13'06"N 017°00'30"W	Limite FIR DAKAR OCEANIQUE - FIR ROBERTS (entrée AORRA 3 et 4)	UBUVA	01°24'14.51"S 011°43'57.62"E	UT419 - UG856 UTA BRAZZAVILLE CONGO
TIVAL	01°49'42"S 014°54'21"E	UG727	UDEBO	10°55'31.02"N 018°51'49.02"W	
TIVOD	06°57'36"N 014°43'12"W	FIR DAKAR OCEANIQUE - ROBERTS (entrée AORRA 3 et 4)	UDRAS	05°35'44.20"N 003°41'11.10"W	
TIXOT	12°21'51.20"N 001°56'15.30"W		UGOBO	08°50'34"N 035°29'27"W	Limite FIR DAKAR OCEANIQUE - FIR CAYENNE (Entrée/Sortie SOOFR)
TOBAB	04°10'36"N 015°19'54"E	UR984 - UM998	ULGAS	13°34'36.20"N 001°45'13.79"E	
TOBAS	14°01'49"N 009°59'51"W	UA600	ULMAB	01°10'14"S 015°29'36"E	UA403 - UQ580 Brazzaville FIR
TOBEL	09°22'22.01"N 014°28'15.71"E	IAF GAROUA	ULNAL	04°51'43.21"S 010°25'17.44"E	UA400 - UQ580
TOBER	06°53'19.84"N 005°33'47.43"W	YAMOOUSSOUKRO IAF	ULNOT	17°06'26"N 015°40'09"W	UR865 - UR975
TOBUK	21°56'00"N 009°18'00"E	UB731 - R986 - UM998 T/R Limite FIR ALGER/FIR NIAMEY	ULPAK	25°10'02"N 007°46'09"W	UA854 - UR866
TONBA	21°35'18"N 019°51'12"E	UM7 - UL12 - UM215 - UR778	ULSAM	05°56'43.61"N 002°30'17.19"E	TMA COTONOU
TSARA	12°30'00"S 052°12'20"E	UA665	ULTIM	01°00'23"N 010°37'33"E	BANGUI vers LIBREVILLE
TUMMO	22°00'00"N 014°40'18"E	A403/UA403 T/R Limite FIR TRIPOLI/FIR N'DJAMENA	ULVAB	13°28'46"N 010°06'09"E	UR778 - UG854
TUMUT	11°00'00"N 001°58'42"W	G859/UG859 T/R Limite TMA OUAGADOUGOU/FIR ACCRA	UMOSA	08°00'00"N 015°25'56"E	A403/UA403 T/R Limite FIR N'DJAMENA/ FIR BRAZZAVILLE
TUPIS	13°26'57.98"N 001°44'38.51"E		UMOVO	11°00'00"N 000°53'42"W	R983/UR983
TUREB	12°20'17.99"N 003°27'31.95"E	UM114 - UQ592 Niamey FIR (NIGER)	UMUSO	03°45'36"N 010°49'00"E	R874 Limite TMA DOUALA et TMA YAOUNDE - FIR BRAZZAVILLE -CAMEROUN
TURED	13°00'00"N 018°00'00"W	A602/UA602 - UG853 FIR DAKAR TERRESTRE	UNADO	16°15'00"N 009°30'39"W	UG851
TUROT	04°34'18"N 012°09'54"W		UNAGA	20°24'09.23"N 006°12'51.18"W	UT365 - UQ596
TURUP	11°27'54"N 019°40'00"W	UA302 Limite FIR DAKAR TERRESTRE - FIR DAKAR OCEANIQUE	UNIKA	07°55'31.89"N 004°56'58.55"W	BOUAKE IAF
TUSEK	06°16'36"N 003°11'00"W	UG855	UNKAL	23°12'21.75"S 043°48'41.64"E	IAF FMST-IAC-RNP22
TUSOT	04°09'09.70"N 018°29'10.40"E	IAF BANGUI-M'Poko RNAV RWY 34	UNKIK	20°14'28.50"S 052°56'04.70"E	A401/UA401 T/R Limite TMA LA REUNION partie 1
TUSUR	19°54'47"N 017°06'31"W	B600 T/R Limite TMA NOUADHIBOU/TMA NOUAKCHOTT	UNOTA	15°50'57"N 000°17'35"E	UT365 - UR981
TUTAN	17°55'44.10"N 016°05'09.90"W	NOUAKCHOTT IAWP	UPAKI	16°56'55.53"N 008°14'06.06"E	IAF AGADEZ RNP RWY 25L
TUTAS	00°55'16.30"S 008°40'08.20"E		UPASA	04°03'48.20"S 015°14'12.30"E	BRAZZAVILLE IAF
TUTEL	05°04'53.76"N 003°59'59.75"W	ABIDJAN IAF/IF			
TUTLO	17°00'00"N 037°30'00"W	SANTA MARIA/SAL OCEANIC			

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
UPATU	00°33'44.50"N 015°36'26.10"E	UT143 - UA403 - UT419 FIR BRAZZAVILLE
UPAVO	07°26'39.67"N 023°39'53.16"E	UQ583 - UG862
UPESA	16°41'15.84"N 018°00'00"W	UG853 Dakar FIR (SENEGAL)
URAPI	09°51'30"S 003°53'36"W	
USDIS	09°30'45.98"N 007°21'18.55"W	ODIENNE IAF
USDOT	09°25'19.56"N 005°20'41.76"W	KORHOGO IAF/IF
USKAT	01°04'51.28"N 008°23'39.25"E	UQ583 - UB600 FIR BRAZZAVILLE
USKAV	02°13'20"N 017°42'33"E	UA410 - UM731
USLAG	23°20'00"N 011°43'45"E	
USLEN	07°45'31"N 003°31'40"W	UM104 - UA614 Limite TMA ABIDJAN - COTE DIVOIRE
USLOK	04°37'12"N 017°04'24"E	UL433 - UQ583 - UM731 Brazzaville FIR
USLOV	09°24'50"N 015°47'10"E	UM731 - UB736
USMOL	01°55'13.89"N 008°00'20.05"E	UB737 - UG856 Brazzaville FIR - Gabon
USPOK	14°23'54"N 014°20'33"E	UA607 - UG619 - UG622 - UM731
USRUT	23°39'24"N 002°43'18"W	UM108 - UM629 - UB735
USTAV	17°02'44.25"N 008°12'25.26"E	AGADEZ IAF
USTEL	05°02'51"N 004°00'50.30"W	ABIDJAN IAWP
USTER	03°40'30.40"N 011°27'04.93"E	YAOUNDE/Ville IAWP
UVDUK	11°40'22"S 051°39'48"E	UL441 - UA665
UVENA	18°36'19"S 054°24'06"E	UN304
UVGAD	16°27'47"S 046°34'21"E	A401/UA401 T/R Limite TMA MAHAJANGA / TMA ANTANANARIVO
UVGET	15°00'21"S 049°46'07"E	UL441 - UG661
VABAX	04°06'57.78"N 011°40'46.81"E	
VABEG	00°49'04"N 009°37'33.10"E	
VABOR	09°57'45.43"N 001°10'29.87"E	IAF NIAMTOUGOU
VADAK	05°39'02.90"N 003°47'38.20"W	
VADAM	04°49'28.38"N 006°29'06.51"W	SAN PEDRO IAF
VEMAR	14°30'00"S 051°25'35"E	UL433
VISCO	03°37'30.48"N 009°07'46.73"E	MALABO IAF
VISNA	08°40'00"N 014°03'11"E	UG624 - UM998
VISPA	17°41'31.20"N 015°50'04.70"W	
VISRO	07°57'48.10"N 005°06'05.59"W	BOUAKE IAF
VISTI	09°34'26.70"N 005°25'07.08"W	KORHOGO IAF
VITLI	04°20'47"N 008°34'00"E	UR984
VITSO	14°35'18.76"N 003°52'05.29"W	IAF MOPTI
VODLO	03°33'33.43"N 011°26'24.50"E	YAOUNDE IAF
VOHID	10°55'46"S 044°19'40"E	UN305 - UG661
VOKLA	11°06'36.90"N 004°32'13.60"W	BOBO - DIOULASSO IAF
VOKRI	06°33'15.20"N 002°28'45.38"E	IAF COTONOU(DBBB) ILSY RWY24
VOLBU	14°24'05"N 002°27'05"W	UM104 - UA614 - UR866 - UM974
VOLKO	07°12'42.03"N 020°50'35.93"E	UQ200 - UM214
VOLMI	00°31'27.14"N 012°40'49.81"E	UT143 - UR986 TMA LIBREVILLE
VOLMU	02°07'52.22"N 010°58'00"E	UQ583 - UA604 FIR BRAZZAVILLE
VOLNA	10°37'54"N 008°00'00"W	G854/UG854 T/R UIR ROBERTS/TMA BAMAKO

INDICATIF CODÉ 1	COORDONNÉES 2	ROUTE ATS ou AUTRE ROUTE 3
VOLTI	12°09'43"N 002°25'45"E	R981 T/R Limite TMA NIAMEY
VOMIN	06°54'14.46"N 005°09'41.52"W	YAMOUSOUKRO IAF
VOMLA	04°14'05.50"S 009°58'33.27"E	UA400 - UQ581 FIR BRAZZAVILLE
VONTI	01°48'44"S 015°26'44"E	A403/UA403 T/R Limite TMA POOL partie 2
VOPAL	06°00'47.83"N 001°07'57.64"E	LOME RNP RWY 04 IAF
VOPAT	02°27'52.68"S 013°02'49.98"E	UQ580 - G856/UG856 - R988/UR988 FIR BRAZZAVILLE
VOPLA	03°51'24.20"N 017°17'43.30"E	BANGUI vers LIBREVILLE
VOPSI	14°51'29.40"N 005°03'53.76"E	IAF TAHOUA
VOPUL	13°36'23.24"N 007°18'47.11"E	IAF MARADI
VORAX	04°32'16"S 013°34'38"E	B732 T/R limite TMA BRAZZAVILLE
VORDA	13°54'41.51"N 014°06'05.28"E	UT237 - UG619
VORET	01°03'48"S 008°09'17"E	UQ559
VORIS	00°23'16.20"N 009°35'52.80"E	
VORUT	04°00'00"N 004°52'22"W	
VOSGA	01°55'27"N 004°08'38"W	
VOSIP	13°04'59.65"N 000°52'25.79"E	UQ594 - UM629 - UG854 UTA NIAMEY NIGER
VOSLA	17°47'55.57"N 014°35'00.66"W	
VOSLI	10°09'19"N 015°35'04"E	UQ589 - UW605 - UM731
VOSNU	20°43'35.78"N 005°28'35.78"W	UQ596 - UR866
VOTAB	14°45'48"N 014°37'45"W	UR620 - UM974
VOTEM	08°30'00"N 002°20'30"E	UA608 TMA COTONOU
VOTIS	16°48'54.51"N 007°50'33.04"E	IAF AGADEZ RNP RWY 07L
VOTUR	04°18'15"N 017°09'26"E	UM731 - UR984
VOVIK	09°29'15.07"N 018°44'00.80"E	UT325 - UB736
VOXIL	13°49'42.03"N 001°55'50.43"E	
VOXIR	05°55'52.11"N 005°21'17.98"W	UQ592 - UB729 Dakar FIR - Abidjan
XUKON	14°45'40.80"N 013°34'27.80"W	UB728 - UM974
XULAK	12°10'30"N 021°20'51"E	UM215 - UW605 - UG655
XULED	00°45'33.24"S 008°00'19.80"E	UQ558 IAF FOOL SID-RNAV16
XUMIL	18°34'04"N 001°44'39"W	UM104 - UA614 - UR981
XUPAM	08°43'47.16"N 019°42'59.09"E	UT325 - UQ584
XURIK	24°53'29"S 047°19'58"E	UA402 - UG652
XURUT	02°00'00"S 006°35'00"E	UQ558
XUVIT	15°27'24.12"N 030°41'35.88"W	SAL and Dakar Oceanic FIR boundary point
ZANOUE	06°32'50"N 003°29'36"W	G859 T/R Limite TMA ABIDJAN
ZAWAT	19°00'09"N 003°32'51"E	UM114
ZIMOG	20°09'13.44"N 000°45'11.32"E	IAF TESSALIT



ENR 4 AIDES ET SYSTÈMES DE RADIONAVIGATIONS
*RADIO NAVIGATION AIDS/SYSTEMS***ENR 4.1 AIDES DE RADIO NAVIGATION DE ROUTE**
RADIO NAVIGATION AIDS - EN-ROUTE

NOM et TYPE de la Station/Déclinaison Name of station Magnetic Variation	IDENTIFICATION ID	FRÉQUENCE (MHZ-KHZ) Frequency	HEURES DE SERVICE Hours of Operation	COORDONNÉES Coordinates	ALTITUDE DE L'ANTENNE Antenna elevation	OBSERVATIONS Remarks
1	2	3	4	5	6	7
←						
TAMBACOUNDA VOR 6°W (2020)	TD	114.5 MHz	H24	13°43'39.70"N 013°39'50.30"W		P : 50 W 550 M seuil 06 QDR 235° HGT : 5 M

PAGE LAISSÉE INTENTIONNELLEMENT VIDE

ENR 5.4 OBSTACLES À LA NAVIGATION AÉRIENNE DE ROUTE
AIR NAVIGATION OBSTACLES EN-ROUTE

NUMÉRO D'ORDRE Order N°	DÉSIGNATION Designation	TYPE D'OBSTACLE Type of Obstacle	COORDONNÉES Coordinates	ALTITUDE / HAUTEUR SOL (mètres) elevation/height (in Meters)	BALISAGE Obstacle light		OBSERVATIONS Remarks
					JOUR Day	NUIT Night	
0	1	2	3	4	5		6
15-001	ALEDJO-KADARA	Pylône	09°14'30"N 001°12'11"E	1030 m / 210 m	OUI	OUI	coordonnées non WGS-84
15-002	ATAKPAME	Pylône	07°32'47"N 001°07'12"E	510 m / 90 m	OUI	OUI	coordonnées non WGS-84
15-003	ATTALOTE	Pylône	10°01'05"N 000°48'18"E	330 m / 65 m	OUI	OUI	coordonnées non WGS-84
15-004	LOME	Immeuble	06°07'43.30"N 001°12'53.60"E	119 m / 114 m	OUI	OUI	
15-005	LOME	Pylône	06°16'44.70"N 001°12'17.20"E	122 m / 105 m	OUI	OUI	Antene BS
15-006	MONT AGOU	Pylône	06°52'30"N 000°45'00"E	1042 m / 100 m	OUI	OUI	coordonnées non WGS-84
15-007	SANSANNE-MANGO	Pylône	10°21'17"N 000°28'12"E	210 m / 80 m	OUI	OUI	coordonnées non WGS-84
15-008	SOKODE	Pylône	08°59'33"N 001°07'43"E	524 m / 84 m	OUI	OUI	coordonnées non WGS-84
15-009	LOME	Pylône	06°08'09.40"N 001°13'32.60"E	61 m / 50 m	OUI	OUI	
15-010	LOME	Pylône	06°10'39.70"N 001°14'36.90"E	80 m / 54 m	OUI	OUI	Radio Maria
15-011	DEFALE	Pylône	09°50'19.85"N 001°04'13.43"E	615 m / 150 m	OUI	NON	Antenne TVT
→ 15-012	BASE MARINE	RADAR	06°08'22.78"N 001°16'46.20"E	76.45 m / 73.89 m	OUI	OUI	NIL
→ 15-013	BCEAO	Building+Antenna	06°07'39.36"N 001°12'45.68"E	84.37 m / 79.37 m	OUI	OUI	NIL
→ 15-014	BIDC DECKON	Building+Antenna	06°08'11.74"N 001°13'27.57"E	67.03 m / 61.42 m	OUI	OUI	NIL

NUMÉRO D'ORDRE Order N°	DÉSIGNATION Designation	TYPE D'OBSTACLE Type of Obstacle	COORDONNÉES Coordinates	ALTITUDE / HAUTEUR SOL (mètres) elevation/height (in Meters)	BALISAGE Obstacle light		OBSERVATIONS Remarks
					JOUR Day	NUIT Night	
0	1	2	3	4	5		6
15-015	BOAD DECKON	Building+Antenna	06°08'12.16"N 001°13'23.87"E	63.12 m / 57.79 m	OUI	OUI	NIL
15-016	CHATEAU D'EAU PORT	Building+Antenna	06°08'45.44"N 001°16'56.24"E	58.73 m / 53.73 m	OUI	OUI	NIL
15-017	EDA-OBA	Building+Antenna	06°09'14.25"N 001°13'43.16"E	70.98 m / 56.71 m	OUI	OUI	NIL
15-018	GROUPE MEDIA PYRAMIBE	Building+Antenna	06°10'57.73"N 001°12'24.10"E	87.65 m / 67.52 m	OUI	NON	NIL
15-019	IOKA	Building+Antenna	06°07'59.61"N 001°12'54.56"E	58.37 m / 53.37 m	OUI	OUI	NIL
15-020	LAMPADAIRE TOGO TERMINAL	Pylon	06°08'56.87"N 001°17'13.32"E	68.43 m / 62.9 m	OUI	OUI	NIL
15-021	LCT	Grue portuaire	06°08'13.03"N 001°16'34.68"E	118.09 m / 116.53 m	OUI	OUI	NIL
15-022	LONATO	Building+Antenna	06°08'01.75"N 001°12'54.68"E	58.27 m / 53.27 m	OUI	OUI	NIL
15-023	MOOV ADAKPAME	Antenna	06°10'18.99"N 001°17'27.82"E	60.5 m / 52.5 m	OUI	OUI	NIL
15-024	MOOV 1 KEGUE	Antenna	06°12'50.58"N 001°14'00.10"E	91.08 m / 62.08 m	OUI	OUI	NIL
15-025	MOOV ADAMAVO	Antenna	06°10'05.91"N 001°18'30.36"E	59.12 m / 52.47 m	OUI	OUI	NIL
15-026	NTA	Antenna	06°10'56.74"N 001°15'17.60"E	75.05 m / 54.34 m	OUI	OUI	NIL
15-027	PROJECTEUR STADE DE KEGUE	Pylon	06°12'05.35"N 001°14'26.48"E	84.78 m / 56.95 m	OUI	OUI	NIL
15-028	SGI	Antenna	06°11'19.31"N 001°12'43.98"E	114.56 m / 88.67 m	OUI	OUI	NIL



NUMÉRO D'ORDRE Order N°	DÉSIGNATION Designation	TYPE D'OBSTACLE Type of Obstacle	COORDONNÉES Coordinates	ALTITUDE / HAUTEUR SOL (mètres) elevation/height (in Meters)	BALISAGE Obstacle light		OBSERVATIONS Remarks
					JOUR Day	NUIT Night	
0	1	2	3	4	5		6
→ 15-029	TELEVISION ZION	Building+Antenna	06°08'54.85"N 001°12'19.15"E	72.19 m / 52.37 m	OUI	OUI	NIL
→ 15-030	TEOLIS	Antenna	06°08'48.06"N 001°13'46.79"E	59.29 m / 53.06 m	OUI	OUI	NIL
→ 15-031	TOGOCEL ATTIKPODJI	Antenna	06°07'48.14"N 001°13'56.59"E	57.79 m / 52.06 m	OUI	OUI	NIL
→ 15-032	TOGOCEL GBENYEDI 2	Antenna	06°08'53.74"N 001°15'08.26"E	56.55 m / 51.24 m	OUI	OUI	NIL
→ 15-033	TOGOCEL KANYIKOPE 2	Antenna	06°09'56.50"N 001°16'46.13"E	61.02 m / 52.02 m	OUI	OUI	NIL
→ 15-034	TOGOCOM NATCHABA	Antenna	06°11'05.11"N 001°14'11.16"E	88.24 m / 64.24 m	OUI	OUI	NIL
→ 15-035	TOGOCOM NOVISSI	Antenna	06°10'23.27"N 001°14'06.95"E	74.26 m / 52.21 m	OUI	OUI	NIL
→ 15-036	TOGOCOM POSTE PORT	Antenna	06°08'38.86"N 001°16'32.32"E	58.38 m / 53.38 m	OUI	OUI	NIL
→ 15-037	TOGOCOM TIGANME	Antenna	06°12'22.14"N 001°15'01.80"E	69.43 m / 52.07 m	OUI	OUI	NIL
→ 15-038	TOGOCOM 1 HOUTI	Antenna	06°10'05.41"N 001°14'40.07"E	70.21 m / 50.7 m	OUI	OUI	NIL
→ 15-039	TOGOCOM COLLEGE PROTESTANT	Antenna	06°08'45.48"N 001°12'14.29"E	80.99 m / 64.62 m	OUI	OUI	NIL
→ 15-040	TOGOCOM PORT	Antenna	06°08'25.80"N 001°16'36.96"E	55.09 m / 51.39 m	OUI	OUI	NIL
→ 15-041	TOGOCOM UNIVERSITE DE LOME	Antenna	06°09'55.48"N 001°12'53.71"E	72.59 m / 53.28 m	OUI	OUI	NIL
→ 15-042	BANQUE (BTCI)	ANTENNE BANQUE (BTCI)	06°08'11.72"N 001°13'32.74"E	63.02 m / 57.02 m	OUI	OUI	NIL

NUMÉRO D'ORDRE Order N°	DÉSIGNATION Designation	TYPE D'OBSTACLE Type of Obstacle	COORDONNÉES Coordinates	ALTITUDE / HAUTEUR SOL (mètres) elevation/height (in Meters)	BALISAGE Obstacle light		OBSERVATIONS Remarks
					JOUR Day	NUIT Night	
0	1	2	3	4	5		6
→ 15-043	BSIC	Building +Antenna	06°07'34.22"N 001°12'34.88"E	63.04 m / 58.12 m	OUI	OUI	
→ 15-044	HOTEL DE 2 FEVRIER	Building + Antenna	06°07'44.97"N 001°12'54.27"E	120.96 m / 115.96 m	OUI	OUI	
→ 15-045	LCF (LA CHAINE DU FUTURE)	Building + Antenna	06°09'52.03"N 001°13'43.57"E	75.15 m / 54.38 m	OUI	OUI	
→ 15-046	RADIO MARIA	Antenna	06°10'39.60"N 001°14'37.25"E	84.49 m / 61.49 m	OUI	OUI	
→ 15-047	RADIO ZEPHIR	RADIO ZEPHIR	06°10'53.24"N 001°15'11.82"E	73.37 m / 52.37 m	OUI	OUI	
→ 15-048	SIEGE ECOBANK	Building + Antenna	06°08'10.78"N 001°15'32.04"E	62.06 m / 57.06 m	OUI	OUI	
→ 15-049	TOGOCOM AKODESSEWA	Antenna	06°09'09.33"N 001°16'38.73"E	61.46 m / 55.46 m	OUI	NON	





West and Central Africa ENROUTE CHART—ICAO Lower Airspace

ICAO Space Indicator	ACAS Address	ADDRESSES
DIII	ABICAVA	
	BANAKO	
	BRAZZAVILLE	FCCC BZVCANA
	COTONOU	GOOO DKRCANA
	DAKAR	GOOO DKRCANA
	DAKAR OCEANIQUE	GOOO DKRCANA
	DOUALA	
	LIBREVILLE	
	NDJAMENA	FTTT NDJANA FT12ZX FT12ZX-DRRZZX
	NAAMEY	DRRR NIMCANA
	NOUADIBOU	GANN NKCCANA
	NOUAKCHOTT	GANN NKCCANA
	OUAGADOUGOU	GANN NKCCANA
	ROBERTS	SAL
	SAO-TOME	

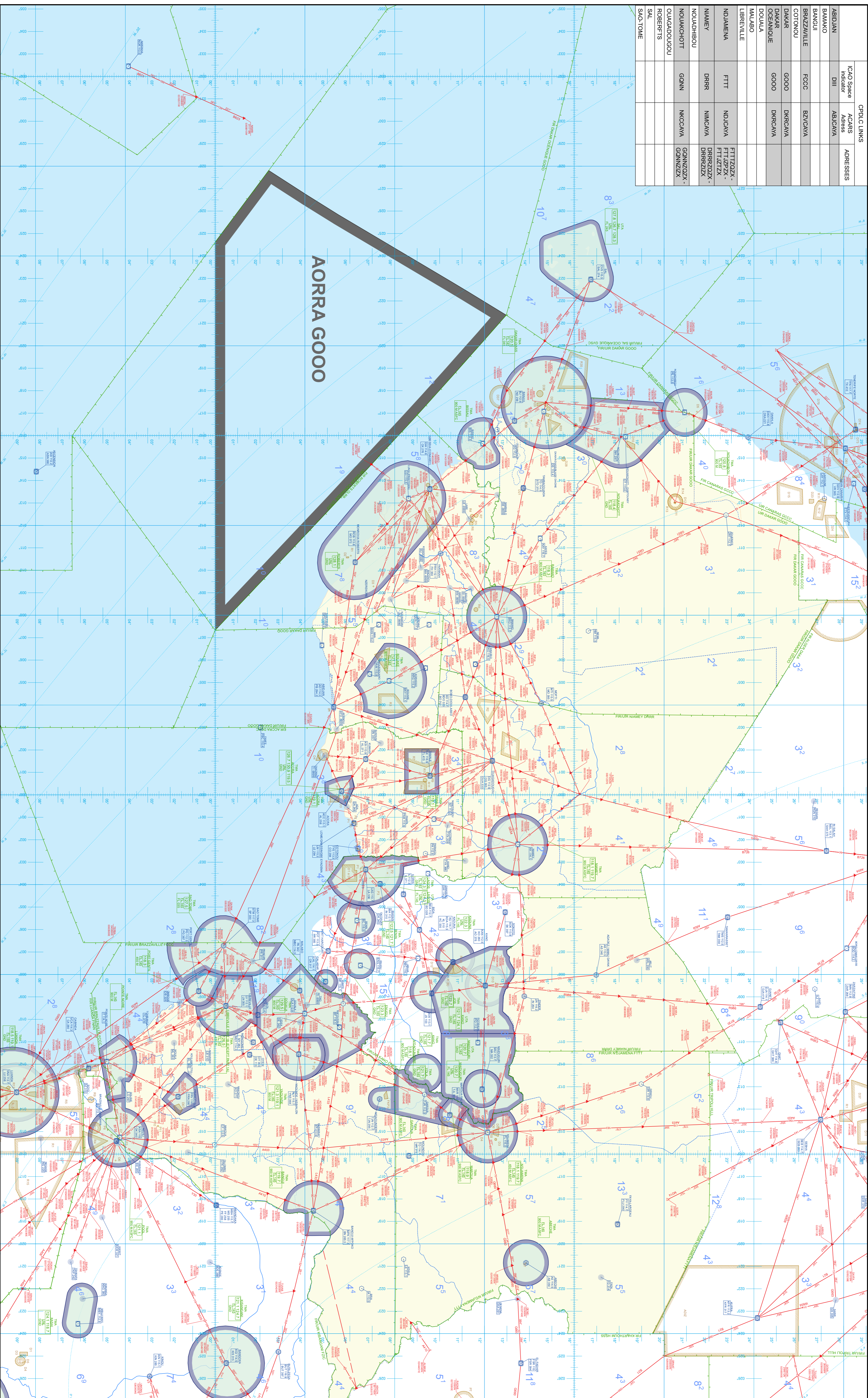
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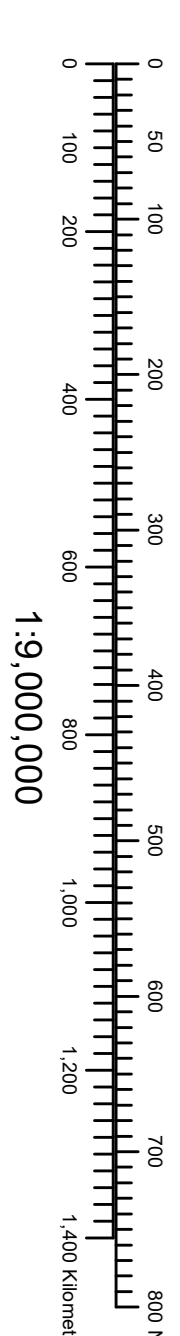
(2019) VHF ACC Frequency
 FL 245 Upper Limit
 UNL FL 245 Upper/Lower Limit
 Bearing in Magnetic Degrees
 Distance in Nautical Miles
 Isogonic Lines : 2020
 Scale : 1:3 000 000 on equator

- ATIS/MT mandatory report
- ATIS mandatory report
- ATIS non mandatory report
- VOR-DME
- VOR
- NDB
- ASECNA FIR
- Controlled Airspace
- A Class
- B, C, D Class
- P, R, D Zones
- FIR Borders
- Air Routes
- Free Route Airspace

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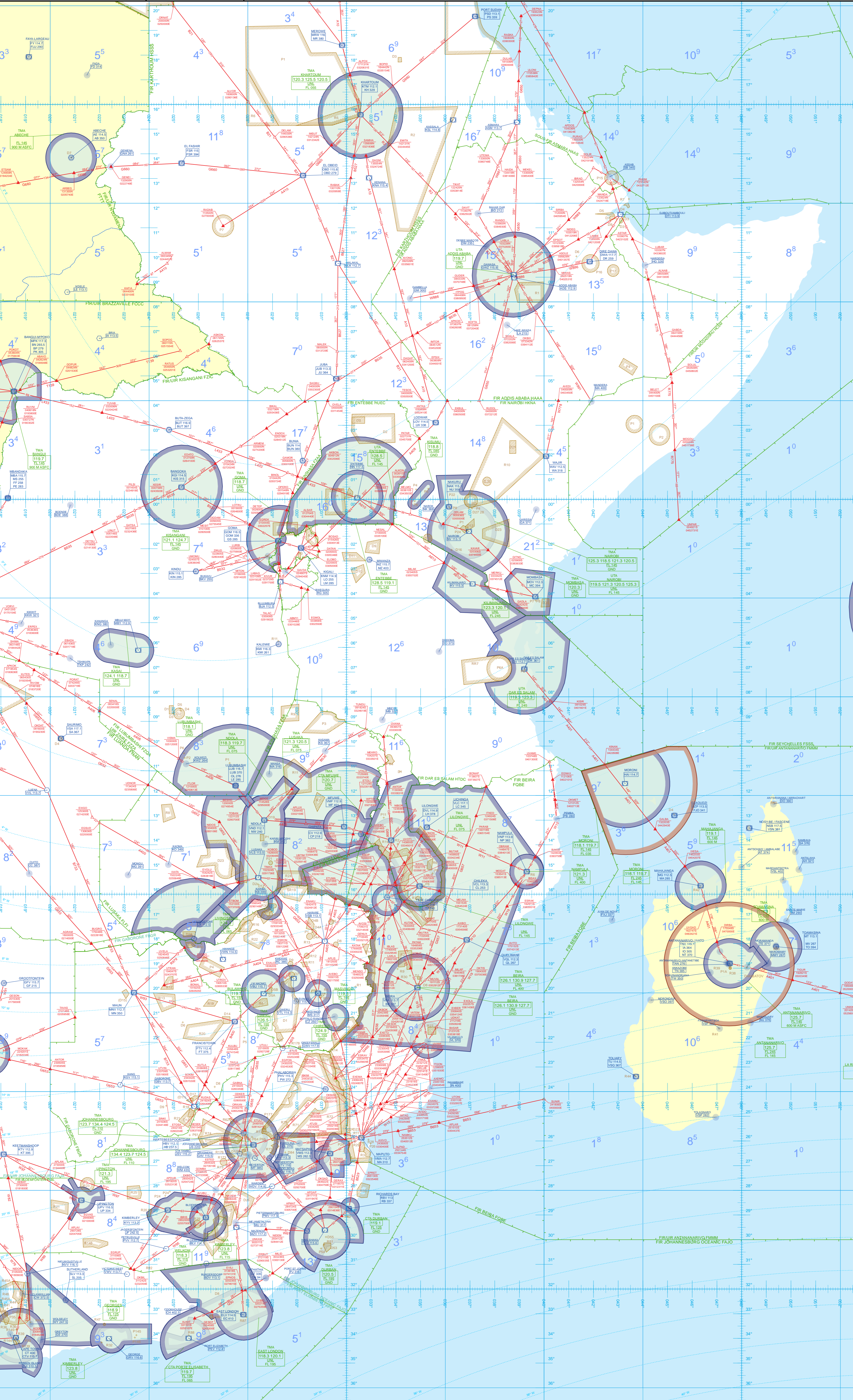
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Fax
(33) 1 44 95 07 28

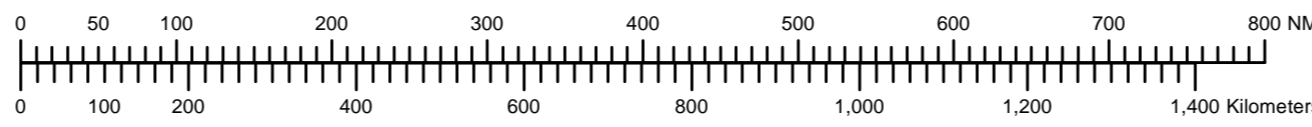
Isogonic Lines : 2020
Scale : 1:9.000.000 on equator
Bearings in Magnetic Degrees.
Distances in Nautical Miles.

- 120.5 VHF ACC Frequency
- FL 245 Upper Limit
- UNL Upper/Lower Limit
- FL 245 Upper/Lower Limit
- ASECNA FIR
- Controlled Airspace
- A Class
- B, C, D Class
- P, R, D Zones
- FIR Borders
- Air Routes
- ▲ ATS/MET mandatory report
- ▲ ATS mandatory report
- ▲ ATS mandatory report
- VOR-DME
- VOR
- NDB

	CPDLC LINKS		
	ICAO Space indicator	ACARS Address	ADRESSES
ANTANANARIVO	FMMM	TNRCAVA	
BEIRA			
GABORONE			
GILLOT RADIO			
HARARE			
JOHANNESBURG			
LILONGWE			
LUSAKA			
MATSAPA			
MAURITIUS			
MORONI			
SEYCHELLES			
WINDHOEK			



AMDT 12/23



1:9,000,000

00ENR6-ASECNA-ENRC-FML



West and Central Africa ENROUTE CHART—ICAO Upper Airspace-

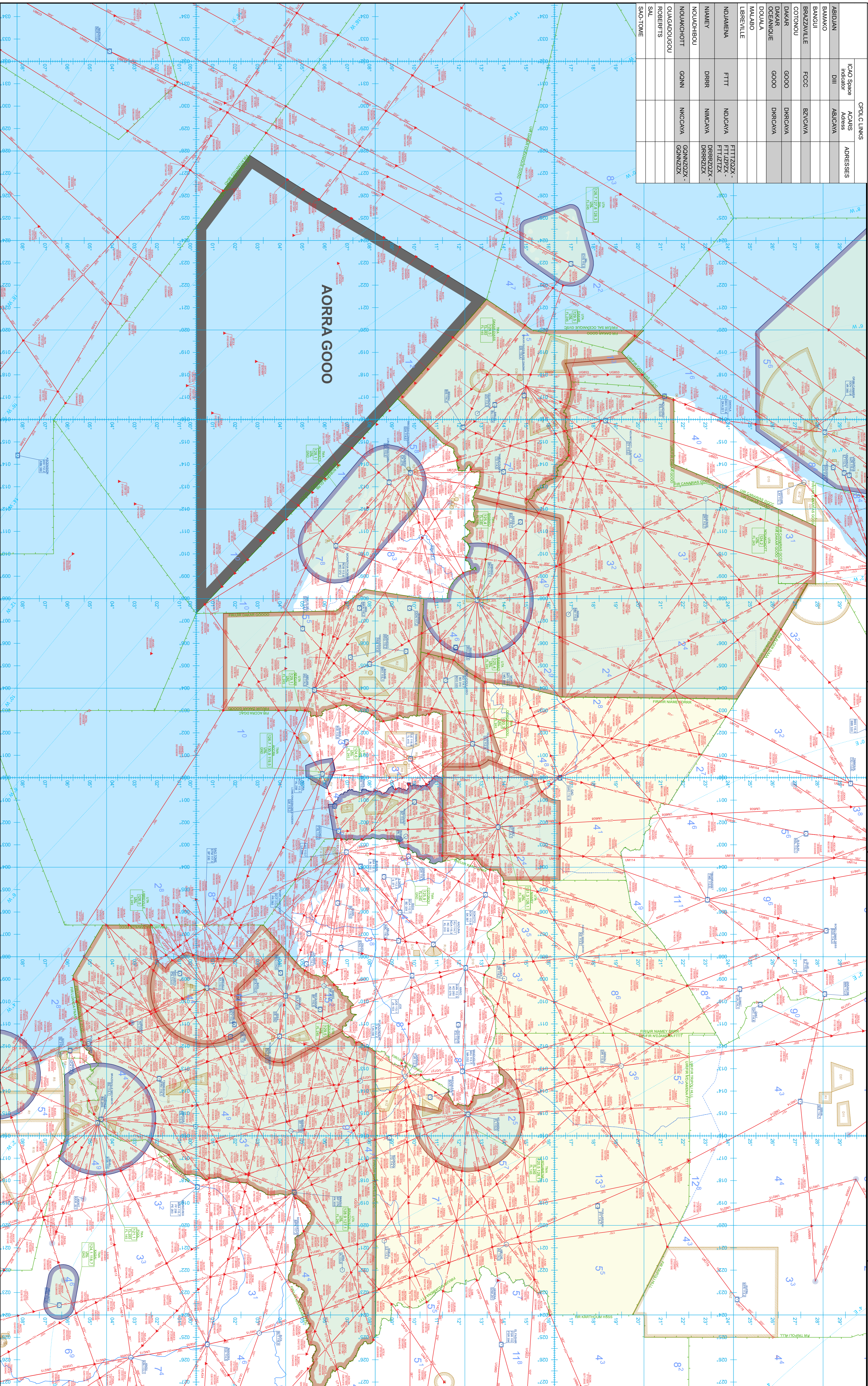
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OBSERVATIONS : For RadioNavigation use
EFFECTIVE DATE : NOVEMBER 30 2023.

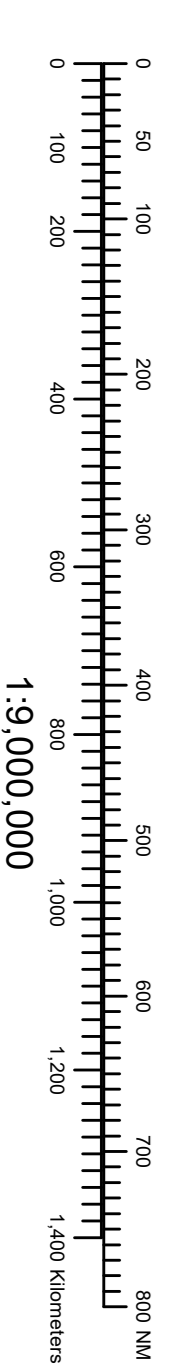
- (2023) VHF ACC Frequency
- FL 245 Upper Limit
 - FL 245 Upper/Lower Limit
 - FL 245 Lower Limit
- Measured in Magnetic Degrees
Distance in Nautical Miles
Isospiral Lines : 2020
Scale : 1:5,000,000 on equator
- ASECNA FIR
 - Controlled Airspace
 - A Class
 - B, C, D Class
 - P, R, D Zones
 - FIR Borders
 - Air Routes
 - Free Route Airspace
 - ATS/NET mandatory report
 - ATS mandatory report
 - ATS non mandatory report
 - VOR-DME
 - VOR
 - NDB

Chart edited by
ASECNA
Aeronautical Information Service
75, rue La Boétie
75008 PARIS - FRANCE
Phone : (33) 1 44 95 07 19
Fax : (33) 1 44 95 07 28

ICAO Space Indicator	ADRESSES
ABIDJAN	ABICAYA
BAMAKO	
BRAZZAVILLE	BZICAYA
COTONOU	DKICAYA
DAKAR	DKICAYA
OCCANIQUE	DKICAYA
DOUALA	
MALABO	
LIBREVILLE	
NDJAMENA	FTTTXX - FTUZZX - FTUZZX - FTUZZX
NAAMEY	DRRR - NIKICAYA - DRRRZZX - DRRRZZX
NOUADHIOU	GANN - NKCCAYA - GANNZZX - GANNZZX
OUAGADOUGOU	
ROBERTS	
SAO-TOME	



AMD17223



00ENR6-ASECNA-ENRC-OCU



MADAGASCAR

ENROUTE CHART—ICAO Upper Airspace

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EFFECTIVE DATE : NOVEMBER 30 2023.

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ASECNA
Service Information Aéronautique
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Telephone
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Fax
(33) 1 44 95 07 28

Isogonic Lines : 2020

Bearings in Magnetic Degrees.

Scale : 1:9.000.000 on equator

Distances in Nautical Miles.

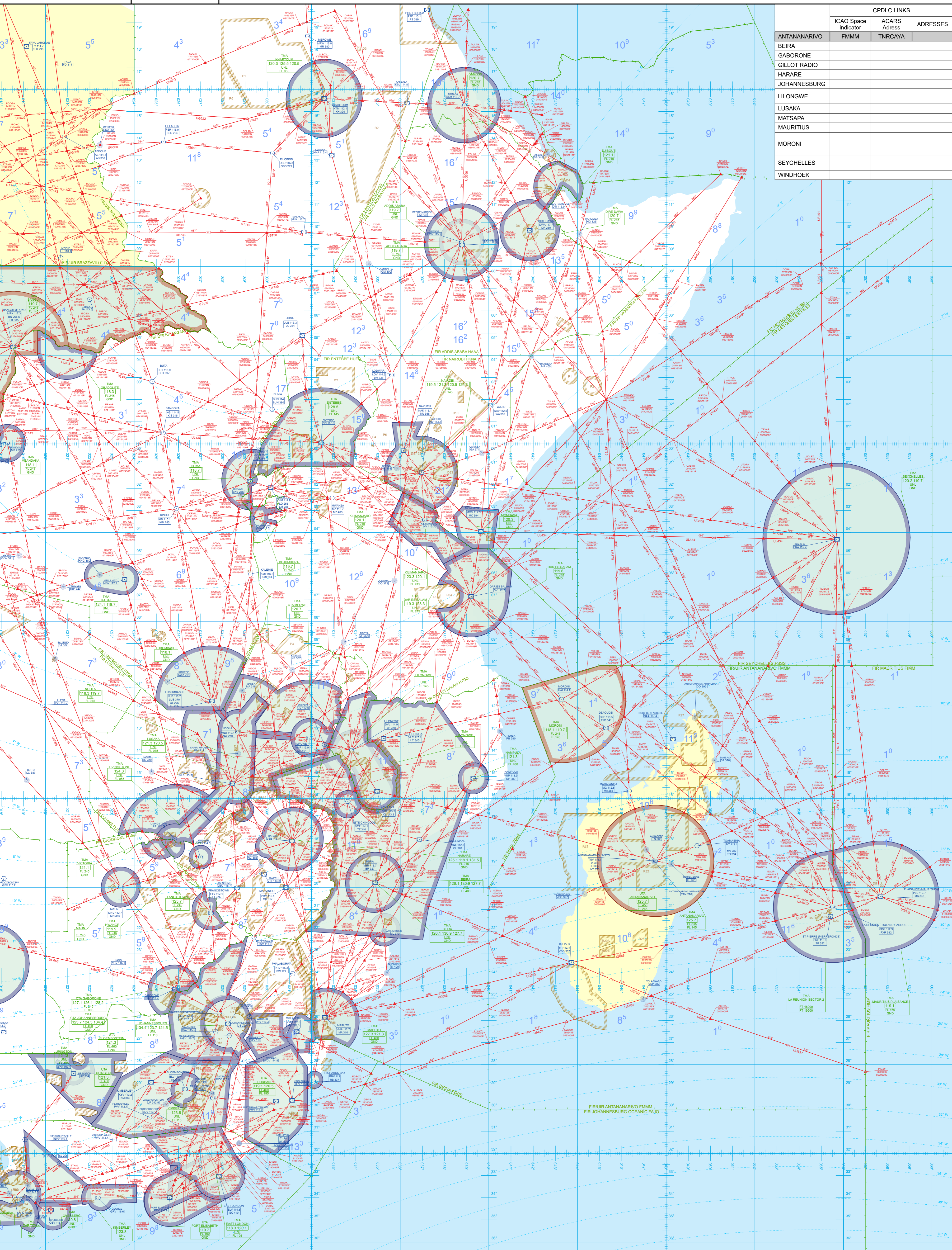
120.5 VHF ACC Frequency
FL 245 Upper Limit
UNL
FL 245 Upper/Lower Limit

ASECNA FIR
Controlled Airspace
A Class
B, C, D Class

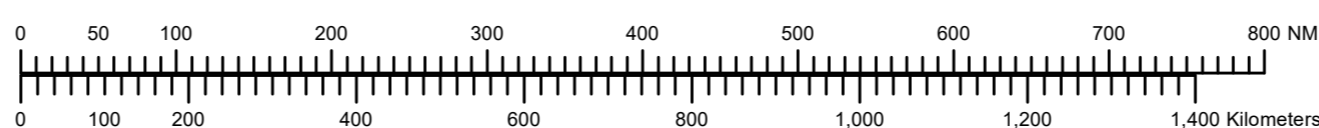
P, R, D Zones
FIR Borders
Air Routes

ATS/MET mandatory report
ATS mandatory report
ATS mandatory report

VOR-DME
VOR
NDB



	CPDLC LINKS		
	ICAO Space Indicator	ACARS Address	ADDRESSES
ANTANANARIVO	FMMM	TNRCAVA	
BEIRA			
GABORONE			
GILLOT RADIO			
HARARE			
JOHANNESBURG			
LILONGWE			
LUSAKA			
MATSAPA			
MAURITIUS			
MORONI			
SEYCHELLES			
WINDHOEK			



AD 2.8	AIRES DE TRAFIC, VOIES DE CIRCULATION ET EMBLEMES DE VÉRIFICATION <i>APRONS, TAXIWAYS AND CHECK LOCATIONS</i>	AD 2.DXXX-5
AD 2.9	GUIDAGE ET CONTRÔLE DES MOUVEMENTS À LA SURFACE ET BALISAGE <i>SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING</i>	AD 2.DXXX-6
AD 2.10	OBSTACLES D'AÉRODROME <i>AERODROME OBSTACLES</i>	AD 2.DXXX-1
AD 2.11	RENSEIGNEMENTS MÉTÉOROLOGIQUES FOURNIS <i>METEOROLOGICAL INFORMATION PROVIDED</i>	AD 2.DXXX-20
AD 2.12	CARACTÉRISTIQUES PHYSIQUES DES PISTES <i>RUNWAY PHYSICAL CHARACTERISTICS</i>	AD 2.DXXX-21
AD 2.13	DISTANCES DÉCLARÉES <i>DECLARED DISTANCES</i>	AD 2.DXXX-23
AD 2.14	DISPOSITIF LUMINEUX D'APPROCHE ET BALISAGE LUMINEUX DE PISTE <i>APPROACH AND RUNWAY LIGHTING</i>	AD 2.DXXX-24
AD 2.15	AUTRES DISPOSITIFS LUMINEUX, ALIMENTATION AUXILIAIRE <i>OTHER LIGHTING, SECONDARY POWER SUPPLY</i>	AD 2.DXXX-24
AD 2.16	AIRE D'ATTERRISSAGE D'HÉLICOPTÈRES <i>HELICOPTER LANDING AREA</i>	AD 2.DXXX-25
AD 2.17	ESPACE AÉRIEN ATS <i>ATS AIRSPACE</i>	AD 2.DXXX-26
AD 2.18	INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES DE LA CIRCULATION AÉRIENNE <i>ATS RADIOCOMMUNICATION FACILITIES</i>	AD 2.DXXX-26
AD 2.19	AIDES DE RADIONAVIGATION ET D'ATTERRISSAGE <i>RADIO NAVIGATION AND LANDING AIDS</i>	AD 2.DXXX-27

AÉROPORT INTERNATIONAL DE NIAMTOUGOU (AIN)

AD 2.1	INDICATEUR D'EMPLACEMENT ET NOM DE L'AÉRODROME <i>AERODROME LOCATION INDICATOR AND NAME</i>	AD 2.DXNG-1
AD 2.2	DONNÉES GÉOGRAPHIQUES ET ADMINISTRATIVES RELATIVES A L'AÉRODROME <i>AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA</i>	AD 2.DXNG-1
AD 2.3	HEURES DE FONCTIONNEMENT <i>OPERATIONAL HOURS</i>	AD 2.DXNG-2
AD 2.4	SERVICES D'ESCALE ET D'ASSISTANCE <i>HANDLING SERVICES AND FACILITIES</i>	AD 2.DXNG-2
AD 2.5	SERVICES AUX PASSAGERS <i>PASSENGER FACILITIES</i>	AD 2.DXNG-3
AD 2.6	SERVICES DE SAUVETAGE ET DE LUTTE CONTRE L'INCENDIE <i>RESCUE AND FIRE FIGHTING SERVICES</i>	AD 2.DXNG-3
AD 2.7	DISPONIBILITÉS SAISONNIÈRES - DÉNEIGEMENT <i>SEASONAL AVAILABILITY - CLEARING</i>	AD 2.DXNG-3
AD 2.8	AIRES DE TRAFIC, VOIES DE CIRCULATION ET EMBLEMES DE VÉRIFICATION <i>APRONS, TAXIWAYS AND CHECK LOCATIONS</i>	AD 2.DXNG-4
AD 2.9	GUIDAGE ET CONTRÔLE DES MOUVEMENTS À LA SURFACE ET BALISAGE <i>SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING</i>	AD 2.DXNG-4
AD 2.10	OBSTACLES D'AÉRODROME <i>AERODROME OBSTACLES</i>	AD 2.DXNG-1
AD 2.11	RENSEIGNEMENTS MÉTÉOROLOGIQUES FOURNIS <i>METEOROLOGICAL INFORMATION PROVIDED</i>	AD 2.DXNG-6
AD 2.12	CARACTÉRISTIQUES PHYSIQUES DES PISTES <i>RUNWAY PHYSICAL CHARACTERISTICS</i>	AD 2.DXNG-7
AD 2.13	DISTANCES DÉCLARÉES <i>DECLARED DISTANCES</i>	AD 2.DXNG-7
AD 2.14	DISPOSITIF LUMINEUX D'APPROCHE ET BALISAGE LUMINEUX DE PISTE <i>APPROACH AND RUNWAY LIGHTING</i>	AD 2.DXNG-7
AD 2.15	AUTRES DISPOSITIFS LUMINEUX, ALIMENTATION AUXILIAIRE <i>OTHER LIGHTING, SECONDARY POWER SUPPLY</i>	AD 2.DXNG-8



AD 2.16	AIRE D'ATTERRISSAGE D'HÉLICOPTÈRES <i>HELICOPTER LANDING AREA</i>	AD 2.DXNG-8
AD 2.17	ESPACE AÉRIEN ATS <i>ATS AIRSPACE</i>	AD 2.DXNG-9
AD 2.18	INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES DE LA CIRCULATION AÉRIENNE <i>ATS RADIOCOMMUNICATION FACILITIES</i>	AD 2.DXNG-10
AD 2.19	AIDES DE RADIONAVIGATION ET D'ATTERRISSAGE <i>RADIO NAVIGATION AND LANDING AIDS</i>	AD 2.DXNG-10

MORONI/PRINCE SAID IBRAHIM

AD 2.1	INDICATEUR D'EMPLACEMENT ET NOM DE L'AÉRODROME <i>AERODROME LOCATION INDICATOR AND NAME</i>	AD 2.FMCH-1
AD 2.2	DONNÉES GÉOGRAPHIQUES ET ADMINISTRATIVES RELATIVES A L'AÉRODROME <i>AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA</i>	AD 2.FMCH-1
AD 2.3	HEURES DE FONCTIONNEMENT <i>OPERATIONAL HOURS</i>	AD 2.FMCH-2
AD 2.4	SERVICES D'ESCALE ET D'ASSISTANCE <i>HANDLING SERVICES AND FACILITIES</i>	AD 2.FMCH-2
AD 2.5	SERVICES AUX PASSAGERS <i>PASSENGER FACILITIES</i>	AD 2.FMCH-3
AD 2.6	SERVICES DE SAUVETAGE ET DE LUTTE CONTRE L'INCENDIE <i>RESCUE AND FIRE FIGHTING SERVICES</i>	AD 2.FMCH-3
AD 2.7	DISPONIBILITÉS SAISONNIÈRES - DÉNEIGEMENT <i>SEASONAL AVAILABILITY - CLEARING</i>	AD 2.FMCH-3
AD 2.8	AIRES DE TRAFIC, VOIES DE CIRCULATION ET EMBLEMES DE VÉRIFICATION <i>APRONS, TAXIWAYS AND CHECK LOCATIONS</i>	AD 2.FMCH-4
AD 2.9	GUIDAGE ET CONTRÔLE DES MOUVEMENTS À LA SURFACE ET BALISAGE <i>SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKING</i>	AD 2.FMCH-4
AD 2.10	OBSTACLES D'AÉRODROME <i>AERODROME OBSTACLES</i>	AD 2.FMCH-5
AD 2.11	RENSEIGNEMENTS MÉTÉOROLOGIQUES FOURNIS <i>METEOROLOGICAL INFORMATION PROVIDED</i>	AD 2.FMCH-5
AD 2.12	CARACTÉRISTIQUES PHYSIQUES DES PISTES <i>RUNWAY PHYSICAL CHARACTERISTICS</i>	AD 2.FMCH-6
AD 2.13	DISTANCES DÉCLARÉES <i>DECLARED DISTANCES</i>	AD 2.FMCH-6
AD 2.14	DISPOSITIF LUMINEUX D'APPROCHE ET BALISAGE LUMINEUX DE PISTE <i>APPROACH AND RUNWAY LIGHTING</i>	AD 2.FMCH-6
AD 2.15	AUTRES DISPOSITIFS LUMINEUX, ALIMENTATION AUXILIAIRE <i>OTHER LIGHTING, SECONDARY POWER SUPPLY</i>	AD 2.FMCH-7
AD 2.16	AIRE D'ATTERRISSAGE D'HÉLICOPTÈRES <i>HELICOPTER LANDING AREA</i>	AD 2.FMCH-8
AD 2.17	ESPACE AÉRIEN ATS <i>ATS AIRSPACE</i>	AD 2.FMCH-9
AD 2.18	INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES DE LA CIRCULATION AÉRIENNE <i>ATS RADIOCOMMUNICATION FACILITIES</i>	AD 2.FMCH-9
AD 2.19	AIDES DE RADIONAVIGATION ET D'ATTERRISSAGE <i>RADIO NAVIGATION AND LANDING AIDS</i>	AD 2.FMCH-10

BISSAU / OSVALDO VIEIRA

AD 2.1	INDICATEUR D'EMPLACEMENT ET NOM DE L'AÉRODROME <i>AERODROME LOCATION INDICATOR AND NAME</i>	AD 2.GGOV-1
AD 2.2	DONNÉES GÉOGRAPHIQUES ET ADMINISTRATIVES RELATIVES A L'AÉRODROME <i>AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA</i>	AD 2.GGOV-1



AD 1.3 RÉPERTOIRE DES AÉRODROMES ET PISTES
LIST OF AERODROMES AND RWY

COORDONNEES COORDINATES SITUATION LOCATION	ALT	AIRES D'ATTERRISSAGE / LANDING AREAS							BALISAGE	SERVICE AU SOL FACILITIES	HEURES VACATIONS ATS OPS HOURS	INSTALLATION VHF et AIDES-RADIO	EXPLOITANT OPERATOR
	M	DIMENSIONS (M)			PISTE / RWY				11-Appr 12-Seuil 13-Piste 14-Autre				
	TEMP °C	QFU N° RWY	PISTE RWY	PA SWY	PD CWY	PENTE SLOPE	NATURE SURFACE	RESISTANCE STRENGTH					
2	3	4	5	6	7	8	9	10	11 à 14	15	16	17	18
ANSONGO					(GAAO)	Ondulation du géoïde (GUND)					Déc.	1° W	(2020)
15°42'N 000°30'E (*)(**)	260	003 ° ---- 183 °	1100x80	200x80 ---- NIL			BLA	5.7 TN (a)(b)					AVA
(**)		093 ° ---- 273 °	1000x80	100x80 ---- 200x80			BLA	5.7 TN (a)(b)					
OBSERVATIONS / REMARKS													
NIL													
BAFOULABE					(GABF)	Ondulation du géoïde (GUND)					Déc.	5° W	(2020)
13°48'15.637"N 010°51'04.092"W	116	058 ° ---- 238 °	900x30	60x30 ---- 100x30			BLA	5.7 TN (a)(b)					AVA
OBSERVATIONS / REMARKS													
NIL													
BANDIAGARA					(GABD)	Ondulation du géoïde (GUND)					Déc.	2° W	(2020)
14°20'N 003°36'W (*)	400+-	091 ° ---- 271 °	900x40	100x40 ---- NIL			BLA	5.7 TN (a)(b)					AVA.
OBSERVATIONS / REMARKS													
NIL													
BOUGOUNI					(GABG)	Ondulation du géoïde (GUND)					Déc.	4° W	(2020)
11°26'34.456"N 007°30'22.158"W	347 34.0	038 ° ---- 218 °	800x20	200x20 ---- 180x20			BLA	5.7 TN (a)(b)					AVA
OBSERVATIONS / REMARKS													
NIL													
BOUREM					(GABR)	Ondulation du géoïde (GUND)					Déc.	1° W	(2020)
17°02'N 000°24'W (*)	287	066 ° ---- 246 °	1550x50				BLA	5.7 TN (a)(b)					AVA
OBSERVATIONS / REMARKS													
NIL													
DOUENTZA					(GADZ)	Ondulation du géoïde (GUND)					Déc.	2° W	(2020)
15°00'N 002°55'W (*)	300+-	087 ° ---- 267 °	800x40				BLA	5.7 TN (a)(b)					AVA
OBSERVATIONS / REMARKS													
NIL													
GOUNDAM					(GAGM)	Ondulation du géoïde (GUND)					Déc.	2° W	(2020)
16°21'N 003°36'W (*)	264	046 ° ---- 226 °	1500x30	100x30 ---- 100x30			BL	DC 4 (b)					AVA
OBSERVATIONS / REMARKS													
NIL													
KENIEBA					(GAKA)	Ondulation du géoïde (GUND)					Déc.	5° W	(2020)
12°50'35.803"N 011°14'59.897"W	137 35.3	045 ° ---- 225 °	1150x30	30x30 ---- 50x30			BL	5.7 TN (a)(b)					AVA

OBSERVATIONS / REMARKS

Tour de piste à droite recommandé pour atterrissage au QFU 225 °

KIDAL				(GAKL)	Ondulation du géoïde (GUND)				Déc.	1° W	(2020)
18°24'27.720"N 001°24'57.527"E	456 36.7	058 ° ---- 238 °	1810x40	100x40		BL	C130)			118.7Mhz Mhz AFIS PAPI 06 – 24 (3.5°)	Aérodrome à usage Militaire Aerodrome for military use

OBSERVATIONS / REMARKS

ARP : 18°25'08.886"N - 001°24'35.991"E
 Situation par rapport à la ville de Kidal : 3.7 KM au sud
Situation in relation to the city of Kidal
 Coordonnées/Altitude du seuil 06 : 18°24'11.809"N - 001°24'31.049"E /1468ft
Coordinates/threshold 06 elevation
 Coordonnées/Altitude du seuil 24 : 18°24'42.802"N - 001°25'23.463"E/ 1458ft
Coordinates/threshold 06 elevation
 Voie de circulation : Yes
 Taxiway

Indicateur de direction du vent : *Wind* - 340 mètres à gauche du THR 06 (18°20'57"N-001°24'38"E) ;
direction indicator 340 meters to the THR 06 (18°20'57"N-001°24'38"E) ;
 - 340 mètres à gauche du THR 24 (18°24'34"N-001°25'16"E)
 340 meters to the left of THR 24 (18°24'34"N-001°25'16"E)

KITA				(GAKT)	Ondulation du géoïde (GUND)				Déc.	4° W	(2020)
13°04'N 009°29'W (*)	342 35.1	106 ° ---- 286 °	800x30			BL	5.7 TN (a)(b)				AVA

OBSERVATIONS / REMARKS

Utilisable quelques heures après pluie

KOLOKANI				(GAKN)	Ondulation du géoïde (GUND)				Déc.	4° W	(2020)
13°32'N 008°03'W (*)	444	104 ° ---- 284 °	800x30			BLA	5.7 TN (a)(b)				AVA

OBSERVATIONS / REMARKS

NIL

KOUTIALA				(GAKO)	Ondulation du géoïde (GUND)				Déc.	3° W	(2020)
12°21'03,259"N 005°25'49,837"W	378 33.9	075 ° ---- 255 °	1200x30			BLA	5.7 TN (a)(b)				AVA

OBSERVATIONS / REMARKS

Par vent faible atterrissage au QFU 075

MANANTALI / BENGASSI				(GAMN)	Ondulation du géoïde (GUND)				Déc.	5° W	(2020)
13°15'21,202"N 010°29'53,913"W (*)	164+-	095 ° ---- 275 °	1500x30		0.4	BL	AN 26 (b) ou INF 27 TN	13 : X 14 : AVASIS			

OBSERVATIONS / REMARKS

Inutilisable hors piste.
 Piste balisée électriquement

MARKALA				(GAMA)	Ondulation du géoïde (GUND)				Déc.	3° W	(2020)
13°42'N 006°04'W (*)	290	061 ° ---- 241 °	900x45			BLA	5.7 TN (a)(b)				AVA

OBSERVATIONS / REMARKS

Utilisable quelques heures après pluie

MENAKA				(GAMK)	Ondulation du géoïde (GUND)				Déc.	2° W	(2020)
15°51'N 002°26'E (*)	274 37.8	062 ° ---- 242 °	1200x45			BLA	5.7 TN (a)(b)				AVA

OBSERVATIONS / REMARKS

NIL

NARA / KEIBANE				(GANK)	Ondulation du géoïde (GUND)				Déc.	3° W	(2020)



AD 1.3 RÉPERTOIRE DES AÉRODROMES
INDEX TO AERODROMES

Nom de l'aérodrome Indicateur d'emplacement <i>Aerodrome name location Indicator</i>	Type de trafic autorisé à utiliser sur l'aérodrome <i>Type of traffic permitted to use the aerodrome</i>			Renvoi à la Section AD Observations <i>Reference to AD section Remarks</i>
	International National (INTL-NTL)	IFR - VFR	S = Régulier / <i>Scheduled</i> NS = Non Régulier <i>Non Scheduled</i> P = Privé / <i>Private</i>	
1	2	3	4	5
Abeche FTTC	NTL	IFR-VFR	S	14 AD-2.FTTC
Abou - Deia	NTL	VFR	P	14 AD 1.3
Ade	NTL	VFR	P	14 AD 1.3
Adre	NTL	VFR	P	14 AD 1.3
Am - Dam	NTL	VFR	P	14 AD 1.3
Am-Timan FTTN *	NTL	VFR	P	14 AD 1.3
Amdjarass FTAA *				11 AD 1.3-31
Ati FTTI	NTL	VFR	P	14 AD 1.3
Bardai / Zougra FTTZ *	NTL	VFR	P	14 AD 1.3
Biltine FTTE	NTL	VFR	P	14 AD 1.3
Bokoro FTTK *	NTL	VFR	P	14 AD 1.3
Bol / Berim FTTL	NTL	VFR	P	14 AD 1.3
Bongor FTTB	NTL	VFR	P	14 AD 1.3
Bouso FTTS *	NTL	VFR	P	14 AD 1.3
Daguessa	NTL	VFR	P	14 AD 1.3
Djedaa	NTL	VFR	P	14 AD 1.3
Doba	NTL	VFR	P	14 AD 1.3
Fada FTTF *	NTL	VFR	P	14 AD 1.3
Faya-Largeau FTTY	NTL	IFR-VFR	P	14 AD 1.3
Fianga	NTL	VFR	P	14 AD 1.3
Gounou-Gaya	NTL	VFR	P	14 AD 1.3
Goz-Beida FTTG	NTL	VFR	S	14 AD 1.3
Guereda	NTL	VFR	P	14 AD 1.3
Haraze	NTL	VFR	P	14 AD 1.3
Iriba	NTL	VFR	P	14 AD 1.3
Kelo	NTL	VFR	P	14 AD 1.3
Koro Toro	NTL	VFR	P	14 AD 1.3
Koukou Angarana	NTL	VFR	P	14 AD 1.3
Koumra	NTL	VFR	NS	14 AD 1.3
Kyabe	NTL	VFR	NS	14 AD 1.3
Lai FTTH	NTL	VFR	NS	14 AD 1.3
Lere	NTL	VFR	P	14 AD 1.3

Les indicateurs d'emplacement marqués d'un astérisque (*) ne doivent pas être employés dans la formule d'adresse des messages AFS
The location indicators marked with an asterisk (*) cannot be used in the address component of AFS messages

Nom de l'aérodrome Indicateur d'emplacement <i>Aerodrome name location Indicator</i>	Type de trafic autorisé à utiliser sur l'aérodrome <i>Type of traffic permitted to use the aerodrome</i>			Renvoi à la Section AD Observations <i>Reference to AD section Remarks</i>
	International National (INTL-NTL)	IFR - VFR	S = Régulier / <i>Scheduled</i> NS = Non Régulier <i>Non Scheduled</i> P = Privé / <i>Private</i>	
1	2	3	4	5
Mao FTTU	NTL	VFR	NS	14 AD 1.3
Massakory	NTL	VFR	P	14 AD 1.3
Massenya	NTL	VFR	P	14 AD 1.3
Mbaibokoum	NTL	VFR	P	14 AD 1.3
Melfi	NTL	VFR	P	14 AD 1.3
Moissala	NTL	VFR	P	14 AD 1.3
Mongo FTTM *	NTL	VFR	S	14 AD 1.3
Moundou FTTD	INTL-NTL	IFR-VFR	S	14 AD 1.3
Moussoro	NTL	VFR	NS	14 AD 1.3
Moyto	NTL	VFR	P	14 AD 1.3
N'Djamena / Hassan Djamous FTTJ	INTL-NTL	IFR-VFR	S	14 AD-2.FTTJ
N'Gouri	NTL	VFR	P	14 AD 1.3
Oum Hadjer	NTL	VFR	P	14 AD 1.3
Ounianga / Kebir	NTL	VFR	P	14 AD 1.3
Pala FTTP	NTL	VFR	P	14 AD 1.3
Salal	NTL	VFR	P	14 AD 1.3
Sarh FTTA	NTL	IFR-VFR	S	14 AD-2.FTTA
Zakouma	NTL	VFR	P	14 AD 1.3
Zouar FTTR *	NTL	VFR	P	14 AD 1.3

Les indicateurs d'emplacement marqués d'un astérisque (*) ne doivent pas être employés dans la formule d'adresse des messages AFS
The location indicators marked with an asterisk (*) cannot be used in the address component of AFS messages



AD 1.3 RÉPERTOIRE DES AÉRODROMES ET PISTES
LIST OF AERODROMES AND RWY

COORDONNEES COORDINATES SITUATION LOCATION	ALT	AIRES D'ATTERRISSAGE / LANDING AREAS							BALISAGE	SERVICE AU SOL FACILITIES	HEURES VACATIONS ATS OPS HOURS	INSTALLATION VHF et AIDES-RADIO	EXPLOITANT OPERATOR	
	M	DIMENSIONS (M)			PISTE / RWY				11-Appr 12-Seuil 13-Piste 14-Autre					
	TEMP °C	QFU N° RWY	PISTE RWY	PA SWY	PD CWY	PENTE SLOPE	NATURE SURFACE	RESISTANCE STRENGTH						
2	3	4	5	6	7	8	9	10	11 à 14	15	16	17	18	
ABOU - DEIA					(FT01)		Ondulation du géoïde (GUND)					Déc.	2° E	(2020)
11°28'00"N 019°17'00"E (*)	480	010° ---- 190°	1400x42				BA	DC 3	12 : balisage				AVA	
OBSERVATIONS / REMARKS														
Inutilisable en saison des pluies														
ADE					(FT02)		Ondulation du géoïde (GUND)					Déc.	3° E	(2020)
12°40'00"N 021°55'00"E (*)	631	089° ---- 269°	1050x25				BA/BGR	DC 3 (X)					AVA	
OBSERVATIONS / REMARKS														
NIL														
ADRE					(FT03)		Ondulation du géoïde (GUND)					Déc.	3° E	(2020)
13°29'00"N 022°11'00"E (*)	787	070° ---- 250°	1300x30	100x30 ---- NIL			BAS	DC 3 (X)					AVA	
OBSERVATIONS / REMARKS														
Consignes particulières (Voir carte à vue)														
AM - DAM					(FT04)		Ondulation du géoïde (GUND)					Déc.	2° E	(2020)
12°44'N 020°30'E (*)	450	082° ---- 262°	1200x43	100x43 ---- 100x43			BA	DC 3					AVA	
OBSERVATIONS / REMARKS														
Inutilisable en saison des pluies														
AMDJARASS					(FTAA)		Ondulation du géoïde (GUND)					Déc.	2° E	(2020)
155815N 0224621E (*)	843	088° ---- 268°	3000x45				Enrobé bitumineux	B 747- 400	Balisage Lumineux Cat I 11 12 13	SSIS Niveau Assuré: 4	0600-1700	A/G VHF 118.1MHZ	AVA	
THR09	841	155816.57N - 0224523.72E												
THR27	834	155814.44N - 0224704.55E												
OBSERVATIONS / REMARKS														
AERODROME D'ETAT ORGANISME: AMDJARASS TOUR CODE DE REFERENCE: 4E MISE EN OEUVRE DU SERVICE DE LUTTE CONTRE INCENDIE MOYENS: 01 VIMP 9000 LITRES EAU + 1000 LITRES EMULSEUR + 250 KG POWDRE														
AM-TIMAN					(FTTN)		Ondulation du géoïde (GUND)					Déc.	2° E	(2020)
11°02'22.445"N 020°16'36.365"E	433	028° ---- 208°	1850x20	60x20 ---- 60x20			BB	DC 3 TRANSALL (X)			0600-1600		AVA	
OBSERVATIONS / REMARKS														
Demi-tour obligatoire sur les raquettes de retournement														
ATI					(FTTI)		Ondulation du géoïde (GUND)					Déc.	2° E	(2020)
13°14'23,60"N 018°19'03,75"E (*)	332	087° ---- 267°	1830x20	100x20 ---- 100x20			BB/BSA	DC 4 (X)			0600-1600	VHF : 128.1 MHZ Deported VHF :120.5 MHZ	AVA	
OBSERVATIONS / REMARKS														

NIL												
BARDAI / ZOUGRA				(FTTZ)	Ondulation du géoïde (GUND)				Déc.		3° E	(2020)
21°27'00"N 017°03'00"E (*)	1074	067° ---- 247°	1800x58			BSA BGR	N 2501 (X)					MIL
OBSERVATIONS / REMARKS												
Consigne particulières (Voir carte à vue) Utilisation subordonnée à l'autorisation du Gouvernement TCHADIEN												
BOKORO				(FTTK)	Ondulation du géoïde (GUND)				Déc.		2° E	(2020)
12°23'00"N 017°04'00"E (*)	300	046° ---- 226°	1145x24			BL/BB	DC 3 (X)					AVA
OBSERVATIONS / REMARKS												
NIL												
BOL / BERIM				(FTTL)	Ondulation du géoïde (GUND)				Déc.		2° E	(2020)
13°26'37,59"N 014°44'22,38"E (*)	291	049° ---- 229°	800x20			PM (1)	MH 1521			0600-1600		AVA
OBSERVATIONS / REMARKS												
(1) Sur bande axiale de 15 M												
BONGOR				(FTTB)	Ondulation du géoïde (GUND)				Déc.		1° E	(2020)
10°17'00"N 015°23'00"E (*)	328	086° ---- 266°	1600x30	100x30 ---- 100x30		BR	DC 4 (X)					AVA
OBSERVATIONS / REMARKS												
Fermé à la CAP Closed to air traffic												
BOUSSO				(FTTS)	Ondulation du géoïde (GUND)				Déc.		2° E	(2020)
10°29'00"N 016°43'00"E (*)	335	030° ---- 210°	1200x35			BB	DC 3					AVA
OBSERVATIONS / REMARKS												
NIL												
DAGUESSA				(FT06)	Ondulation du géoïde (GUND)				Déc.		3° E	(2020)
12°02'00"N 022°25'00"E (*)	555	129° ---- 309°	1240x48			Terre dure	DC 3 (X)					AVA
OBSERVATIONS / REMARKS												
NIL												
DJEDAA				(FT07)	Ondulation du géoïde (GUND)				Déc.		2° E	(2020)
13°33'00"N 018°36'00"E (*)	330	088° ---- 268°	1150x40			Terre dure	DC 3 (X)					AVA
		138° ---- 318°	690x40									
OBSERVATIONS / REMARKS												
NIL												
DOBA				(FT08)	Ondulation du géoïde (GUND)				Déc.		1° E	(2020)
08°42'00"N 016°51'00"E (*)	387	030° ---- 210°	1500x27	100x27 ---- NIL		BL	DC 4 (X)					AVA
OBSERVATIONS / REMARKS												
NIL												
FADA				(FTTF)	Ondulation du géoïde (GUND)				Déc.		3° E	(2020)
17°11'28,28"N 021°30'13,40"E (*)	563	108° ---- 288°	1800x30	100 ---- 80		BL	80 TN (X)			0600-1600	NDB "FD" 314 KHZ	AVA



FOOG — AD 2.16 AIRE D'ATTERRISSAGE D'HÉLICOPTÈRES
HELICOPTER LANDING AREA

1	Coordonnées TLOF ou THR de la FATO <i>Coordinates TLOF or THR of FATO</i> Ondulation du Géoïde / <i>Geoid undulation</i>	00°43'16.72"S - 008°45'06.09"E		
2	Altitude TLOF/FATO (M/Ft) <i>TLOF and FATO elevation (M/Ft)</i>	3M / 10FT		
3	TLOF + FATO : Aire, dimensions, revêtement, résistance, balisage <i>TLOF and FATO area dimensions, surface, strength, marking</i>	35x15 M		
		Enrobé bitumineux	Bituminous concrete	
		1575 M2 - 3 aires de 35 X 15 M Résistance : 10 TN	1575 M2 - 3 areas of 35 X 15 M Strength : 10 TN	
		Balisage diurne	Day markings	
4	Relèvements vrai et magnétique de la FATO <i>True and magnetic bearing of FATO</i>	202.3° GEO 207° MAG		
5	Distances déclarées disponibles <i>Declared distances available</i>	NIL		
6	Dispositif lumineux d'approche et de FATO <i>Approach and FATO lighting</i>	NIL		
		Feux de FATO : Rouge	FATO Lights: Red	
		NIL		
7	Observations / <i>Remarks</i>	NIL		

FOOG — AD 2.17 ESPACE AÉRIEN ATS
ATS AIRSPACE

Désignation et limites latérales <i>Designation and laterals limits</i>	Limites verticales <i>Vertical limits</i>	Classification de l'espace aérien <i>Airspace classification</i>	Indicatif d'appel et langues de l'organe <i>ATS unit call sign/Languages</i>	Altitude de transition <i>Transition altitude</i>	Observations <i>Remarks</i>
1	2	3	4	5	6
CTR PORT GENTIL Cercle de 20 NM de rayon centré sur PORT GENTIL DVOR/DME "PG" 00°43'43.60"S - 008°44'50.90"E	450 M AMSL ----- SOL - MER	D	PORT GENTIL TOUR - Français (Fr) - Anglais (En)	3100 FT	
<p>Aérodrome interdit au aéronefs non munis de radiocommunications bilatérales. Chemins d'entrée et de sortie de la CTR. Demi-tour obligatoire aux extrémités de piste</p> <p>AD prohibited for ACFT not equipped with bilateral radio communications. Routes to enter and to leave the CTR. U-turn to be done at the end of runway</p>					

FOOG — AD 2.18 INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES
DE LA CIRCULATION AÉRIENNE
ATS RADIOCOMMUNICATION FACILITIES

Désignation du service Service designation	Indicatif d'appel Call sign	Fréquences (MHZ - KHZ) Frequency	Heure de fonctionnement Hours of operation	Observations Remarks
1	2	3	4	5
TWR	PORT GENTIL TOUR	118.3 MHz	0500 - 2300 et O/R avant 1600 à FOOGZPXZ,FOOLZPXZ et en info à FCCCZIXZ et FCBBZIXZ(FR-EN)	P : 25 W Assure APP
TWR	PORT GENTIL TOUR	8903 KHz	0500 - 2300 et O/R avant 1600 à FOOGZPXZ,FOOLZPXZ et en info à FCCCZIXZ et FCBBZIXZ(FR-EN)	P : 100 W Assure APP

FOOG — AD 2.19 AIDES DE RADIONAVIGATION ET D'ATERRISSAGE
RADIO NAVIGATION AND LANDING AIDS

Type d'Aide/Déclinaison Type of Aid/Magnetic Variation	Identification Identification	Fréquences (MHZ-KHZ) Frequency	Heures de fonctionnement Hours of operation	Coordonnées antenne émission Site of antenna coordinates	Altitude de l'antenne Elevation of DME antenna	Observations Remarks
1	2	3	4	5	6	7
DVOR/DME 2°W (2020)	PG	112.3 MHz Ch 70X	H24	00°43'43.60"S 008°44'50.90"E	9M (30FT)	P DVOR : 100 W P DME : 1KW 376 M seuil 03 QDR 203°
ILS/GP 21 2°W (2020)	PO	331.4 MHz	H24	00°42'24.30"S 008°45'27.20"E	15M (49FT)	P : 100 W 296,9 M seuil 21 QDR 025° CAT. II jusqu'au seuil de piste
ILS/LOC 21 CAT. II 2°W (2020)	PO	109.1 MHz	H24	00°43'40.90"S 008°44'51.84"E	7M (23FT)	300 M seuil 03 QDR 024°
ILS/DME 2°W (2020)	PO	Ch 28X	H24	00°42'24.30"S 008°45'27.20"E	15M (49FT)	NIL

FOOG — AD 2.20 REGLEMENT LOCAUX DE L'AERODROME
LOCAL REGULATIONS OF THE AERODROME

NIL	
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FOOG — AD 2.21 PROCEDURES ANTIBRUIT
ANTI NOISE PROCEDURES

NIL	
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FOOG — AD 2.22 PROCEDURES DE VOL
FLIGHT PROCEDURES

NIL	
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FOON — AD 2.18 INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES
DE LA CIRCULATION AÉRIENNE
ATS RADIOCOMMUNICATION FACILITIES

Désignation du service Service designation	Indicatif d'appel Call sign	Fréquences (MHZ - KHZ) Frequency	Heure de fonctionnement Hours of operation	Observations Remarks
1	2	3	4	5
TWR	FRANCEVILLE TOUR	118.2 MHz	0600 - 1800 O/R avant 1600	P : 50 W Assure APP
TWR	FRANCEVILLE TOUR	8903 KHz	0600 - 1800 O/R avant 1600	P : 100 W

FOON — AD 2.19 AIDES DE RADIONAVIGATION ET D'ATTERRISSAGE
RADIO NAVIGATION AND LANDING AIDS

Type d'Aide/Déclinaison Type of Aid/Magnetic Variation	Identification Identification	Fréquences (MHZ-KHZ) Frequency	Heures de fonctionnement Hours of operation	Coordonnées antenne émission Site of antenna coordinates	Altitude de l'antenne Elevation of DME antenna	Observations Remarks
1	2	3	4	5	6	7
ILS/GP 15 1°W (2020)	FRA	334.4 MHz	H24	01°38'51.93"S 013°25'49.63"E	459M (1506FT)	Angle desc : 3° Cat. II jusqu'au seuil Glide path slope 3° Cat. II until the THR of RWY
ILS/LOC 15 CAT. II 1°W (2020)	FRA	110.1 MHz	H24	01°40'08.05"S 013°26'50.32"E	434M (1424FT)	214 M seuil 33 QDR 145°
ILS/DME 1°W (2020)	FRA	Ch 38X	H24	01°38'51.93"S 013°25'49.63"E	459M (1506FT)	P : 100 W
← VOR/DME 1°W (2020)	FRV	116.1 MHz Ch 108X	H24	01°39'11.10"S 013°26'38.10"E	481M (1578FT)	P.VOR : 50 W P.DME : 1 KW

FOON — AD 2.20 REGLEMENT LOCAUX DE L'AERODROME
LOCAL REGULATIONS OF THE AERODROME

NIL	
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FOON — AD 2.21 PROCEDURES ANTIBRUIT
ANTI NOISE PROCEDURES

NIL	
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FOON — AD 2.22 PROCEDURES DE VOL
FLIGHT PROCEDURES

NIL	
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FOON — AD 2.23 RENSEIGNEMENTS SUPPLEMENTAIRES
ADDITIONAL INFORMATION

NIL	
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FOON — AD 2.24 CARTES RELATIVES A L'AERODROME
AERODROME CHART

Voir Partie 3.2 - Cartes relatives aux aérodromes

See Part 3.2 - Charts related to aerodromes



GOSS — AD 2.16 AIRE D'ATTERRISSAGE D'HÉLICOPTÈRES
HELICOPTER LANDING AREA

1	Coordonnées TLOF ou THR de la FATO <i>Coordinates TLOF or THR of FATO</i> Ondulation du Géοiდე / <i>Geoid undulation</i>	NIL
2	Altitude TLOF/FATO (M/Ft) <i>TLOF and FATO elevation (M/Ft)</i>	NIL
3	TLOF + FATO : Aire, dimensions, revêtement, résistance, balisage <i>TLOF and FATO area dimensions, surface, strength, marking</i>	NIL
		NIL
		NIL
		NIL
4	Relèvements vrai et magnétique de la FATO <i>True and magnetic bearing of FATO</i>	NIL
5	Distances déclarées disponibles <i>Declared distances available</i>	NIL
6	Dispositif lumineux d'approche et de FATO <i>Approach and FATO lighting</i>	NIL
		NIL
		NIL
7	Observations / <i>Remarks</i>	NIL

GOSS — AD 2.17 ESPACE AÉRIEN ATS
ATS AIRSPACE

Désignation et limites latérales <i>Designation and laterals limits</i>	Limites verticales <i>Vertical limits</i>	Classification de l'espace aérien <i>Airspace classification</i>	Indicatif d'appel et langues de l'organe <i>ATS unit call sign/Languages</i>	Altitude de transition <i>Transition altitude</i>	Observations <i>Remarks</i>
1	2	3	4	5	6
NIL	NIL	NIL	NIL	3100 FT	NIL

GOSS — AD 2.18 INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES DE LA CIRCULATION AÉRIENNE
ATS RADIOCOMMUNICATION FACILITIES

Désignation du service <i>Service designation</i>	Indicatif d'appel <i>Call sign</i>	Fréquences (MHZ - KHZ) <i>Frequency</i>	Heure de fonctionnement <i>Hours of operation</i>	Observations <i>Remarks</i>
1	2	3	4	5
ALRS	SAINT LOUIS INFORMATION	121.5 MHz		NIL
FIS	SAINT LOUIS INFORMATION	118.7 MHz	LUN au SAM : 0700-1900 DIM, Jours fériés et nuit : O/R From Monday to Saturday from 0700 to 1900, Sundays, holidays O/R	NIL

GOSS — AD 2.19 AIDES DE RADIONAVIGATION ET D'ATTERRISSAGE
RADIO NAVIGATION AND LANDING AIDS

Type d'Aide/Déclinaison <i>Type of Aid/Magnetic Variation</i>	Identification <i>Identification</i>	Fréquences (MHZ-KHZ) <i>Frequency</i>	Heures de fonctionnement <i>Hours of operation</i>	Coordonnées antenne émission <i>Site of antenna coordinates</i>	Altitude de l'antenne <i>Elevation of DME antenna</i>	Observations <i>Remarks</i>
1	2	3	4	5	6	7
←						
→	NIL	NIL	NIL	NIL	NIL	NIL

GOSS — AD 2.20 REGLEMENT LOCAUX DE L'AERODROME
LOCAL REGULATIONS OF THE AERODROME

Description	Observations
Description détaillée des règlements applicables à l'utilisation de l'aérodrome	NIL

GOSS — AD 2.21 PROCEDURES ANTIBRUIT
ANTI NOISE PROCEDURES

NIL	
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GOSS — AD 2.22 PROCEDURES DE VOL
FLIGHT PROCEDURES

NIL	
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GOSS — AD 2.23 RENSEIGNEMENTS SUPPLEMENTAIRES
ADDITIONAL INFORMATION

NIL	
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GOSS — AD 2.24 CARTES RELATIVES A L'AERODROME
AERODROME CHART

Voir Partie 3.2 - Cartes relatives aux aérodromes

See Part 3.2 - Charts related to aerodromes



DXXX — AD 2.10 OBSTACLES D'AÉRODROME
AERODROME OBSTACLES

ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	VOR/DME	Antenna	06°11'02.77"N 001°16'07.63"E	29.54M 8.54M	Marked - Red lighted	NIL
Zone 2	ILS/LLZ	Antenna	06°09'10.99"N 001°14'38.03"E	14.39 M 3.14 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE HAODJUE DEKON	Building + Antenna	06°08'09.27" 001°13'45.79"	49.27 M 43.27 M	Marked - Red lighted	NIL
Zone 2	SANYA Moto	Building + Antenna	06°08'06.95"N 001°13'54.51"E	48.63 M 42.63 M	Marked - Red lighted	NIL
Zone 2	MOOV BE CHATEAU	Antenna	06°08'10.14"N 001°14'53.37"E	49.98 M 43.98M	Marked - Red lighted	NIL
Zone 2	TOGOCOM DE BE	Antenna	06°08'27.08"N 001°14'44.48"E	46.28 M 40.28 M	Marked - Red lighted	NIL
Zone 2	Château d'eau BE	Building+ Antenna	06°08'08.69"N 001°14'57.79"E	47.77 M 42.02 M	Marked - Red lighted	NIL
Zone 2	LCF (La chaine du future)	Building + Antenna	06°09'52.03"N 001°13'43.57"E	75.15 M 54.38 M	Marked - Red lighted	NIL
Zone 2	Hôtel de 2 Février	Building+ Antenna	06°07'44.97"N 001°12'54.27"E	120.96 M 115.96 M	Marked - Red lighted	NIL
Zone 2	Banque (BTCI)	Building + Antenna	06°08'11.72"N 001°13'32.74"E	63.02 M 57.02 M	Marked - Red lighted	NIL
Zone 2	Radio Maria	Antenna	06°10'39.60"N 001°14'37.25"E	84.49 M 61.49 M	Marked - Red lighted	NIL
Zone 2	Siège ECOBANK	Building + Antenna	06°08'10.78"N 001°15'32.04"E	62.06 M 57.06 M	Marked - Red lighted	NIL
Zone 2	Hôtel IBIS	Building+ Antenna	06°07'18.43"N 001°13'04.71"E	33.57 M 29.25 M	Marked - Red lighted	NIL
Zone 2	Palm Beach	Building + Antenna	06°07'21.91"N 001°13'21.46"E	46.13 M 41.13 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM de Cerfer	Antenna	06°09'46.84"N 001°14'31.90"E	55.62 M 35.96 M	Marked - Red lighted	NIL

ZONE Area	IDENTIFICATION OU DESIGNATION obstacle/identification or designation	TYPE D'OBSTACLE Type of Obstacle	COORDONNÉES Coordinates	ALTITUDE / HAUTEUR SOL (mètres) elevation/height (in Meters)	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX obstacle marking, type and color of obstacle lighting	DISPONIBILITÉ ÉLECTRONIQUE electronic availability
0	1	2	3	4	5	6
Zone 2	TOGOCOM Hedzranawoe	Antenna	06°11'30.97"N 001°15'03.24"E	68.16 M 45.85 M	Marked - Red lighted	NIL
Zone 2	Radio Zephir	Antenna	06°10'53.24"N 001°15'11.82"E	73.37 M 52.37 M	Marked - Red lighted	NIL
Zone 2	MOOV Atiegou	Antenna	06°12'09.76"N 001°15'39.38"E	42.5 M 33.04 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM Atiegou	Antenna	06°12'11.01"N 001°15'41.09"E	44.49 M 36.36 M	Marked - Red lighted	NIL
Zone 2	MOOV ANFAME	Antenna	06°10'46.73"N 001°16'40.38"E	54.04 M 41.42 M	Marked - Red lighted	NIL
Zone 2	Château d'eau Akodessewa	Building	06°08'46.03"N 001°16'28.54"E	34.43 M 28.83 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM Akodessewa	Antenna	06°09'09.33"N 001°16'38.73"E	61.46 M 55.46 M	Marked - Red lighted	NIL
Zone 2	Lampadaire 1	Pylon	06°10'04.36"N 001°15'06.65"E	39.88 M 20.86 M	Marked - Red lighted	NIL
Zone 2	Lampadaire 2	Pylon	06°10'02.86"N 001°15'05.38"E	39.9 M 20.9 M	Marked - Red lighted	NIL
Zone 2	Lampadaire 3	Pylon	06°10'01.26"N 001°15'04.02"E	39.91 M 20.91 M	Marked - Red lighted	NIL
Zone 2	Hall ANCIEN de départ	Building+ Antenna	06°10'03.10"N 001°15'03.55"E	43.22 M 24.22 M	Marked - Red lighted	NIL
Zone 2	Tour de Contrôle	Building+ Antenna	06°10'06.59"N 001°15'07.71"E	48.51 M 29.1 M	Marked - Red lighted	NIL
Zone 2	ALD/ILS/DME	Antenna	06°10'23.28"N 001°15'41.30"E	30.62 M 16.62 M	Marked - Red lighted	NIL
Zone 2	PALAIS DES CONGRES	Building+Antenna	060750.65N 0011301.92E	32.41M 27.41 M	Marked - Red lighted	NIL
Zone 2	BOUBA SHOP	Building+Antenna	060711.28N 0011238.67E	39.93 M 35.4 M	Marked - Red lighted	NIL
Zone 2	MOOV KODJOVIAKOPE	Antenna	060711.16N 0011216.67E	46.07 M 41.07 M	Marked - Red lighted	NIL
Zone 2	BANK OF AFRICA	Building+Antenna	060722.27N 0011327.01E	40.49 M 36.19 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	MARINA BAY	Building+Antenna	060739.09N 0011409.83E	45.18 M 40.79 M	Marked - Red lighted	NIL
Zone 2	FESTIVAL DES GLACES	Building+Antenna	060745.63N 0011415.89E	38.72 M 33.72 M	Marked - Red lighted	NIL
Zone 2	PAN DORA	Building	060755.18N 0011412.55E	37.66 M 31.66 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE EN FACE DU FESTIVAL DES GLACES	Building	060747.44N 0011413.44E	36.4 M 31.39 M	Marked - Red lighted	NIL
Zone 2	ANAC	Antenna	060955.70N 0011444.88E	58.77 M 42.14 M	Marked - Red lighted	NIL
Zone 2	MOOV HOUTI	Antenna	061006.85N 0011439.22E	56.69 M 36.69 M	Marked - Red lighted	NIL
Zone 2	MOOV 2 ATIEGOU	Antenna	061233.98N 0011449.11E	56.19 M 42.89 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM 1 HOUTI	Antenna	061005.41N 0011440.07E	70.21 M 50.7 M	Marked - Red lighted	NIL
Zone 2	MOOV TOGO 2000	Antenna	061143.79N 0011528.70E	61.79 M 37.79 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM TIGANME	Antenna	061222.14N 0011501.80E	69.43 M 52.07 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM KEGUE ZOGBEDJI	Antenna	061254.62N 0011510.80E	45.92 M 37.19 M	Marked - Red lighted	NIL
Zone 2	COCEC HEDZRANAWOE	Building+Antenna	061137.28N 0011530.87E	49.32 M 25.32 M	Marked - Red lighted	NIL
Zone 2	DOUANE FRET	Building+Antenna	060956.12N 0011454.25E	49.47 M 30.47 M	Marked - Red lighted	NIL
Zone 2	SOGEA SATOM	Building+Antenna	061001.46N 0011425.09E	55.65 M 34.65 M	Marked - Red lighted	NIL
Zone 2	MOOV 1 KEGUE	Antenna	061250.58N 0011400.10E	91.08 M 62.08 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM 1 KEGUE	Antenna	061231.32N 0011423.26E	69.65 M 45.09 M	Marked - Red lighted	NIL
Zone 2		Antenna			Marked - Red lighted	NIL

ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
	TOGOCOM 2 KEGUE		061228.52N 0011401.80E	75.2 M 46.72 M		
→ Zone 2	TOGOCOM 2 HEDZRANAWOE	Antenna	061125.35N 0011428.65E	64.44 M 38.94 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM 2 HOUTI	Antenna	061036.14N 0011448.85E	56.36 M 35.36 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM 3 HEDZRANAWOE	Antenna	061105.40N 0011456.33E	66.51 M 44.24 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM KAGOME	Antenna	061021.82N 0011639.64E	58.78 M 40.82 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM DJIFAKPOTA	Antenna	061005.61N 0011620.01E	52.37 M 37.15 M	Marked - Red lighted	NIL
→ Zone 2	MOOV 2 KEGUE	Antenna	061152.91N 0011431.91E	69.78 M 43.78 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM 3 KEGUE	Antenna	061157.22N 0011448.16E	58.68 M 33.54 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM KELEGOUGAN	Antenna	061319.20N 0011408.75E	55.77 M 44.93 M	Marked - Red lighted	NIL
→ Zone 2	AEROSERVICE	Antenna	060957.64N 0011459.94E	45.71 M 27.25 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE P1	Pylon	061006.84N 0011508.59E	39.84 M 20.24 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE S5	Pylon	060957.68N 0011501.34E	38.98 M 20.45 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE S6	Pylon	060956.11N 0011500.04E	38.73 M 20.47 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE P2	Pylon	061009.36N 0011510.99E	47.22 M 27.22 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE P3	Pylon	061011.06N 0011512.18E	47.31 M 27.31 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE P4	Pylon	061012.75N 0011513.58E	47.3 M 27.3 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE P5	Pylon	061014.65N 0011515.17E	47.32 M 27.32 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	LAMPADAIRE P6	Pylon	061016.57N 0011516.66E	47.75 M 27.29 M	Marked - Red lighted	NIL
Zone 2	LAMPADAIRE S4	Pylon	060959.24N 0011502.50E	39.64 M 20.84 M	Marked - Red lighted	NIL
Zone 2	MECHE AMINA 1	Building+Antenna	060915.95N 0011433.01E	35.69 M 18.47 M	Marked - Red lighted	NIL
Zone 2	NTA	Antenna	061056.74N 0011517.60E	75.05 M 54.34 M	Marked - Red lighted	NIL
Zone 2	MECHE AMINA 2	Building+Antenna	060943.12N 0011438.94E	49.27 M 30.16 M	Marked - Red lighted	NIL
Zone 2	MECHE AMINA 3	Building+Antenna	060944.36N 0011440.47E	44.82 M 26.39 M	Marked - Red lighted	NIL
Zone 2	ORABANKROND POINT MECHE AMINA	Building+Antenna	060911.38N 0011429.58E	41.01 M 25.33 M	Marked - Red lighted	NIL
Zone 2	MOOV 3 ATIEGOU	Antenna	061113.56N 0011503.20E	57.57 M 39.5 M	Marked - Red lighted	NIL
Zone 2	PALMIER	Antenna	060941.85N 0011439.21E	45.48 M 26.28 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM TOGO 2000	Antenna	061120.57N 0011527.93E	52.64 M 32.48 M	Marked - Red lighted	NIL
Zone 2	AMABÊUS	Building+Antenna	061119.11N 0011459.77E	50.72 M 30.46 M	Marked - Red lighted	NIL
Zone 2	ARBREFETICHE	Arbre	060907.16N 0011432.78E	32.07 M 20.24 M	Marked - Red lighted	NIL
Zone 2	GRUE ROND POINT MECHE AMINA	GRUE	060908.22N 0011430.04E	34.65 M 21.49 M	Marked - Red lighted	NIL
Zone 2	SIEGE MOOV	Building	060907.50N 0011425.69E	40.14 M 27 M	Marked - Red lighted	NIL
Zone 2	BIDC DECKON	Building+Antenna	060811.74N 0011327.57E	67.03 M 61.42 M	Marked - Red lighted	NIL
Zone 2	BOAD DECKON	Building+Antenna	060812.16N 0011323.87E	63.12 M 57.79 M	Marked - Red lighted	NIL
Zone 2	BANK OF AFRICA DEKON	Building+Antenna	060811.27N 0011336.98E	42.25 M 36.25 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacleidentification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	CANAL PLUS DEKON	Building+Antenna	060811.99N 0011337.66E	42.5 M 36.5 M	Marked - Red lighted	NIL
Zone 2	NSIA BANK DEKON	Building+Antenna	060811.30N 0011340.85E	49.15 M 43.15 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE JAUNE PRES DE BANK OF AFRICA	Building	060810.65N 0011339.35E	26.68 M 20.68 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE COMTELDEKON	Building+Antenna	060808.80N 0011349.36E	38.19 M 32.19 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE ROUGE PRES DE L'HOTEL KRISMAS	Building+Antenna	060802.43N 0011509.82E	43.29 M 38.29 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE JAUNE PRES DE CHATEAU DE BE	Building+Antenna	060807.98N 0011501.35E	43.15 M 37.74 M	Marked - Red lighted	NIL
Zone 2	MOOV DERRIERE FORÊT SACREE DE BÉ	Antenna	060840.09N 0011500.06E	47.9 M 41.9 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM NATCHABA	Antenna	061105.11N 0011411.16E	88.24 M 64.24 M	Marked - Red lighted	NIL
Zone 2	CORIS BANK HEDZRANAWOE	Building+Antenna	061101.69N 0011429.08E	51.62 M 27.83 M	Marked - Red lighted	NIL
Zone 2	WAGES HEDZRANAWOE	Antenna	061032.17N 0011418.48E	57.47 M 33.66 M	Marked - Red lighted	NIL
Zone 2	MOOV HEDZRANAWOE	Building+Antenna	061012.20N 0011425.81E	63.88 M 43.98 M	Marked - Red lighted	NIL
Zone 2	PROJECTEUR STADE DE KEGUE	Pylon	061205.35N 0011426.48E	84.78 M 56.95 M	Marked - Red lighted	NIL
Zone 2	COOPEC LA FRUCTEUSE SAGBOVILLE	Building+Antenna	061143.37N 0011441.61E	57.27 M 33.27 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM WUITI	Antenna	060959.26N 0011357.86E	55.67 M 34.54 M	Marked - Red lighted	NIL
Zone 2	MAJOREL ADEWUI	Building+Antenna	060948.79N 0011300.35E	57.86 M 38.42 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
→ Zone 2	IAEC DOUMASSESE	Building+Antenna	060952.45N 0011251.58E	54.54 M 35.35 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM UNIVERSITE DE LOME	Antenna	060955.48N 0011253.71E	72.59 M 53.28 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM GBONSSIME	Antenna	060940.24N 0011235.96E	54.49 M 42.91 M	Marked - Red lighted	NIL
→ Zone 2	APPARTEMENT GBOSSIME	Building	060937.99N 0011231.72E	40.32 M 28.74 M	Marked - Red	NIL
→ Zone 2	RADIO BONNE NOUVELLE	Building+Antenna	060912.43N 0011158.96E	66.86 M 48.03 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM COLLEGE PROTESTANT	Antenna	060845.48N 0011214.29E	80.99 M 64.62 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM KODOME	Antenna	060823.74N 0011212.49E	51.49 M 38.7 M	Marked - Red lighted	NIL
→ Zone 2	MOOV KODOME	Antenna	060826.43N 0011202.42E	56.57 M 42.64 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM DOULASSAME	Antenna	060847.09N 0011349.03E	40.17 M 36.15 M	Marked - Red lighted	NIL
→ Zone 2	TEOLIS	Antenna	060848.06N 0011346.79E	59.29 M 53.06 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM SUPER TAKO	Antenna	060900.38N 0011411.90E	46.07 M 36.71 M	Marked - Red lighted	NIL
→ Zone 2	ESA SUPER TAKO	Building+Antenna	060905.67N 0011413.49E	42.19 M 27.87 M	Marked - Red lighted	NIL
→ Zone 2	MOOV NUKAFU EPP PALAKO	Antenna	060921.30N 0011424.42E	61.42 M 43.57 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM TOKOIN TAME	Antenna	060954.75N 0011333.93E	54.23 M 34.56 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCOM CHU CAMPUS	Antenna	061051.54N 0011251.54E	65.32 M 42.17 M	Marked - Red lighted	NIL
→ Zone 2	SGI	Antenna	061119.31N 0011243.98E	114.56 M 88.67 M	Marked - Red lighted	NIL
→ Zone 2	GROUPE MEDIA PYRAMIBE	Building+Antenna	061057.73N 0011224.10E	87.65 M 67.52 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	TOGOCOM LOMEGAN	Antenna	061043.07N 0011220.39E	62.89 M 44.95 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM KLIKAME	Antenna	061022.25N 0011223.35E	56.34 M 39.2 M	Marked - Red lighted	NIL
Zone 2	FUCEC ATTIKOUME	Building+Antenna	061001.50N 0011210.27E	52.63 M 29.76 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM TODMAN	Antenna	060930.63N 0011211.69E	52.09 M 35.53 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM TOKOIN SOLIDARITE	Antenna	060917.97N 0011225.26E	52.99 M 37.29 M	Marked - Red lighted	NIL
Zone 2	TOGOTELECOM DOGBEAVOU	Building+Antenna	060914.01N 0011242.66E	36.02 M 27.02 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM GBADAGO	Antenna	060852.51N 0011257.13E	45.45 M 38.64 M	Marked - Red lighted	NIL
Zone 2	RADIO KNTB	Building+Antenna	060918.49N 0011325.38E	43.81 M 25.31 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM DOUMASSESE	Antenna	060933.54N 0011315.83E	53.7 M 35.7 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM SIEGE ECOBANK	Antenna	060810.99N 0011527.58E	40.53 M 35.29 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM AHLIGO	Antenna	060826.83N 0011522.44E	50.59 M 44.59 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM ABLOGA	Antenna	060825.47N 0011539.50E	46.83 M 41.54 M	Marked - Red lighted	NIL
Zone 2	BANK OF AFRICA TOKOIN TRESOR	Building+Antenna	060848.47N 0011308.50E	30.62 M 22.44 M	Marked - Red lighted	NIL
Zone 2	SOCIETE GENERALE TOGOLAISE TOKOIN TRESOR	Building+Antenna	060857.13N 0011306.23E	32.37 M 22.1 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE EN FACE BIA TOKOIN TRESOR	Building+Antenna	060905.39N 0011304.38E	38.15 M 22.46 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	IMMEUBLE PRES DE STATION TOTAL TOKOIN TRESOR	Building+Antenna	060914.78N 0011301.84E	43.98 M 25.03 M	Marked - Red lighted	NIL
Zone 2	RADIO TELEVISION DELTA SANTE	Building+Antenna	060909.13N 0011258.46E	64.46 M 48.53 M	Marked - Red lighted	NIL
Zone 2	CHATEAU D'EAU TOKOIN SEMINAIRE	Building+Antenna	060904.09N 0011242.02E	50.13 M 39.26 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM TOKOIN SEMINAIRE	Antenna	060857.72N 0011232.53E	67.61 M 49.37 M	Marked - Red lighted	NIL
Zone 2	SOGEMEF TOKOIN SEMINAIRE	Building+Antenna	060904.30N 0011232.43E	49.39 M 31.26 M	Marked - Red lighted	NIL
Zone 2	RADIO SPORT FM	Building+Antenna	060854.42N 0011224.90E	61.64 M 41.25 M	Marked - Red lighted	NIL
Zone 2	RADIO VICTOIRE FM	Building+Antenna	060851.97N 0011224.78E	63.25 M 43.22 M	Marked - Red lighted	NIL
Zone 2	TELEVISION ZION	Building+Antenna	060854.85N 0011219.15E	72.19 M 52.37 M	Marked - Red lighted	NIL
Zone 2	OPTICAL DISCOUNT	Building+Antenna	060915.42N 0011323.81E	45.69 M 26.69 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM LYCEE DE TOKOIN	Antenna	060910.52N 0011342.03E	59.56 M 45.14 M	Marked - Red lighted	NIL
Zone 2	EDA-OBA	Building+Antenna	060914.25N 0011343.16E	70.98 M 56.71 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM NUKAFU	Antenna	060923.81N 0011401.36E	55.21 M 37.07 M	Marked - Red lighted	NIL
Zone 2	EBENEZER	Building+Antenna	060929.71N 0011357.68E	52.33 M 33.67 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM NOVISSI	Antenna	061023.27N 0011406.95E	74.26 M 52.21 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM PORT	Antenna	060825.80N 0011636.96E	55.09 M 51.39 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION obstacle/identification or designation	TYPE D'OBSTACLE Type of Obstacle	COORDONNÉES Coordinates	ALTITUDE / HAUTEUR SOL (mètres) elevation/height (in Meters)	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX obstacle marking, type and color of obstacle lighting	DISPONIBILITÉ ÉLECTRONIQUE electronic availability
0	1	2	3	4	5	6
Zone 2	Lampadaire Direction Port	Pylon	060827.14N 0011634.15E	33.62 M 29.07 M	Marked - Red lighted	NIL
Zone 2	TOGOCOM POSTE PORT	Antenna	060838.86N 0011632.32E	58.38 M 53.38 M	Marked - Red lighted	NIL
Zone 2	Lampadaire TOGO TERMINAL	Pylon	060856.87N 0011713.32E	68.43 M 62.9 M	Marked - Red lighted	NIL
Zone 2	ANTENNE ABATOIR	Antenna	060900.93N 0011713.42E	27.85 M 21.85 M	Marked - Red lighted	NIL
Zone 2	SIAB AHADJI KPOTA	Antenna	060931.56N 0011702.52E	39.73 M 34.13 M	Marked - Red lighted	NIL
Zone 2	TP3	Antenna	060933.84N 0011716.78E	42.99 M 37.25 M	Marked - Red lighted	NIL
Zone 2	SOTOTOLE	Antenna	060933.35N 0011751.28E	26.09 M 20.09 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL KANYIKOPE	Antenna	060950.60N 0011736.72E	42.35 M 35.78 M	Marked - Red lighted	NIL
Zone 2	MOOV KANYIKOPE	Antenna	060952.16N 0011738.36E	48.62 M 41.55 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL ADAKPAME KPONOU	Antenna	061010.09N 0011721.14E	57.44 M 49.44 M	Marked - Red lighted	NIL
Zone 2	MOOV ADAKPAME	Antenna	061018.99N 0011727.82E	60.5 M 52.5 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL ADAKPAME ABOKOPE	Antenna	061034.61N 0011742.82E	51.33 M 45.23 M	Marked - Red lighted	NIL
Zone 2	COCEC KANYIKOPE	Antenna	061003.74N 0011747.78E	47.85 M 39.85 M	Marked - Red lighted	NIL
Zone 2	FUCEC SOLIDARITE KAGOME	Building+Antenna	061008.44N 0011805.17E	32.21 M 24.71 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL KAGOME	Antenna	061016.99N 0011812.61E	54.21 M 47.21 M	Marked - Red lighted	NIL
Zone 2	COOPEC LA FRUCTUEUSE ADAMAVO	Building+Antenna	061010.59N 0011823.44E	42.05 M 34.86 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
→ Zone 2	MOOV ADAMAVO	Antenna	061005.91N 0011830.36E	59.12 M 52.47 M	Marked - Red lighted	NIL
→ Zone 2	AGENCE TOGOCEL ZOROBAR	Building+Antenna	060943.28N 0011703.63E	36.65 M 29.52 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCEL KANYIKOPE 2	Antenna	060956.50N 0011646.13E	61.02 M 52.02 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCEL ANFAME 1	Antenna	060932.93N 0011620.20E	43.65 M 36.15 M	Marked - Red lighted	NIL
→ Zone 2	ANTENNE ANFAME COMPLEXE SCOLAIRE SOHIA PÔLE	Antenna	060949.13N 0011613.68E	43.11 M 27.01 M	Marked - Red lighted	NIL
→ Zone 2	NSIA BANK AKODESSEWA	Building+Antenna	060921.26N 0011603.45E	33.3 M 28.3 M	Marked - Red lighted	NIL
→ Zone 2	MOOV AKODESSEWA	Antenna	060915.93N 0011550.31E	52.13 M 47.41 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCEL GBENYEDI 2	Antenna	060853.74N 0011508.26E	56.55 M 51.24 M	Marked - Red lighted	NIL
→ Zone 2	CIFAT CONSULTING GBENYEDI	Building+Antenna	060858.31N 0011508.02E	51.34 M 46.7 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCEL BE- KPOTA	Antenna	060919.60N 0011531.63E	41.31 M 36.6 M	Marked - Red lighted	NIL
→ Zone 2	TOGOCEL BE- KPOTA 2	Antenna	060952.34N 0011537.57E	63.95 M 44.95 M	Marked - Red lighted	NIL
→ Zone 2	COOPEC LA FRUCTUEUSE BE- KPOTA	Building+Antenna	060954.27N 0011600.13E	62.27 M 45.61 M	Marked - Red lighted	NIL
→ Zone 2	MEF/SERVICE MATÉRIEL ET TRANSIT	Building+Antenna	060726.52N 0011314.29E	35.52 M 30.52 M	Marked - Red lighted	NIL
→ Zone 2	BIA-TOGO ASSIGANME	Building+Antenna	060728.13N 0011329.55E	33.86 M 28.78 M	Marked - Red lighted	NIL
→ Zone 2	FINAMASSIVITO	Building+Antenna	060739.40N 0011322.62E	50.95 M 44.95 M	Marked - Red lighted	NIL

ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
Zone 2	GALHED	Building+Antenna	060749.15N 0011320.04E	36.53 M 31.53 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL HANOUKOPE	Antenna	060814.77N 0011301.78E	40.61 M 36.73 M	Marked - Red lighted	NIL
Zone 2	IMMEUBLE DECON STATION TOTAL	Building+Antenna	060817.78N 0011344.05E	35.43 M 29.43 M	Marked - Red lighted	NIL
Zone 2	CORIS BANK DECON	Building+Antenna	060758.42N 0011407.14E	50.19 M 44.19 M	Marked - Red lighted	NIL
Zone 2	ARCOR	Building+Antenna	060802.64N 0011401.28E	36.96 M 30.96 M	Marked - Red lighted	NIL
Zone 2	DYNAMO	Building+Antenna	060804.09N 0011401.31E	31.61 M 25.61 M	Marked - Red lighted	NIL
Zone 2	GONA	Building	060805.78N 0011359.05E	23.16 M 17.16 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL ATTIKPODJI	Antenna	060748.14N 0011356.59E	57.79 M 52.06 M	Marked - Red lighted	NIL
Zone 2	ADAWLATO	Building+Antenna	060739.94N 0011345.65E	45.56 M 39.37 M	Marked - Red lighted	NIL
Zone 2	NSIA BANK ATTIKPODJI HOLLANDO	Building+Antenna	060737.55N 0011356.58E	42.05 M 37.05 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL BE SOUZA NETIME	Antenna	060806.48N 0011416.92E	45.24 M 39.24 M	Marked - Red lighted	NIL
Zone 2	CANTASER TOGO SA	Building+Antenna	060820.90N 0011551.56E	30.22 M 25.22 M	Marked - Red lighted	NIL
Zone 2	CFT TOGO AKODESSEWA	Antenna	060917.92N 0011607.88E	26.2 M 21.07 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL AKODESSEWA	Antenna	060904.91N 0011559.48E	43.02 M 37.02 M	Marked - Red lighted	NIL
Zone 2	TOGOCEL GBENYEDI	Antenna	060847.54N 0011524.81E	52.97 M 46.97 M	Marked - Red lighted	NIL
Zone 2	LONATO	Building+Antenna	060801.75N 0011254.68E	58.27 M 53.27 M	Marked - Red lighted	NIL
Zone 2	IOKA	Building+Antenna	060759.61N 0011254.56E	58.37 M 53.37 M	Marked - Red lighted	NIL



ZONE Area	IDENTIFICATION OU DESIGNATION <i>obstacle identification or designation</i>	TYPE D'OBSTACLE <i>Type of Obstacle</i>	COORDONNÉES <i>Coordinates</i>	ALTITUDE / HAUTEUR SOL (mètres) <i>elevation/height (in Meters)</i>	MARQUAGES, TYPE ET COULEUR DU BALISAGE LUMINEUX <i>obstacle marking, type and color of obstacle lighting</i>	DISPONIBILITÉ ÉLECTRONIQUE <i>electronic availability</i>
0	1	2	3	4	5	6
→ Zone 2	IMMEUBLE A COTE DE BIG METRO STAR	Building	060726.52N 0011222.47E	28.64 M 22.96 M	Marked - Red lighted	NIL
→ Zone 2	TVT	Building+Antenna	060730.07N 0011250.07E	50.27 M 45.27 M	Marked - Red lighted	NIL
→ Zone 2	SIEGE ORABANK	Building+Antenna	060748.86N 0011250.19E	52.69 M 47.61 M	Marked - Red lighted	NIL
→ Zone 2	BCEAO	Building+Antenna	060739.36N 0011245.68E	84.37 M 79.37 M	Marked - Red lighted	NIL
→ Zone 2	LAMPADAIRE 1 PORT	Pylon	060825.23N 0011636.22E	31.48 M 28.34 M	Marked - Red lighted	NIL
→ Zone 2	LCT	Grue portuaire	060813.03N 0011634.68E	118.09 M 116.53 M	Marked - Red lighted	NIL
→ Zone 2	BASE MARINE	RADAR	060822.78N 0011646.20E	76.45 M 73.89 M	Marked - Red lighted	NIL
→ Zone 2	CHATEAUD'EAU PORT	Building+Antenna	060845.44N 0011656.24E	58.73 M 53.73 M	Marked - Red lighted	NIL
→ Zone 2	ANTENNE A COTE DU LOCALIZER	Antenna	060911.72N 0011433.88E	18.62 M 7.39 M	Marked-Red lighted	NIL
→ Zone 2	ANTENNE A COTE DU VOR	Antenna	061102.72N 0011607.67E	31.89 M 10.89 M	Marked-Red lighted	NIL
→ Zone 2	HALL ANCIEN DEPART 2	Antenna	061001.45N 0011503.18E	42.62 M 23.62 M	Marked-Red lighted	NIL
→ Zone 2	LAMPADAIRE LCT	Pylon	060823.44N 0011636.42E	48.58 M 46.12 M	Marked - Red lighted	NIL
→ Zone 2	STH	Antenna	060938.80N 0011445.19E	38.21 M 20.09 M	Marked - Red lighted	NIL
→ Zone 2	LIZE TRANSPORT INTERNATIONAL	Pylon	060939.78N 0011446.85E	36.98 M 18.39 M	Marked - Red lighted	NIL

DXXX — AD 2.11 RENSEIGNEMENTS MÉTÉOROLOGIQUES FOURNIS
METEOROLOGICAL INFORMATION PROVIDED

1	Centre météorologique associé à l'aérodrome <i>Associated MET Office</i>	Centre Météorologique d'aérodrome Centre de veille météorologique (CMA/CVM) LOME	AD Meteorological Center Watch meteorological center (CMA/CVM) LOME
2	Heures de service / <i>Hours of service</i>	H24	
	Centre météorologique responsable en dehors de ces heures <i>MET Office outside hours of service</i>	NIL	
3	Centre responsable de la préparation des TAF et périodes de validité des prévisions <i>Office responsible for TAF preparation and period of validity</i>	CMA/CVM de LOME	
	(à remonter) Période de validité <i>Validity period</i>	30 H	
4	Type de prévision d'atterrissage disponibles et intervalle de publication <i>Type of landing forecast / Interval of issuance</i>	METAR/MET REPORT + TREND(Semi-horaire)- TAF (4 fois/jour)	
	(à remonter) Périodicité <i>Interval of issuance</i>	NIL	
5	Exposés verbaux / consultations assurés <i>Briefing / consultation provided</i>	P,T,D, le temps présent et son évolution	
6	Documentation de vol <i>Flight documentation</i>	Cartes ©, Textes abrégés en langage clair (PL)	Charts ©, Abbreviated plain language texts (PL)
	Langue utilisée <i>Language used</i>	Français (Fr), Anglais (En)	
7	Cartes, autres informations <i>Charts, other information</i>	Cartes d'analyse au sol (S), en altitude (U), en altitude prévue (P) et cartes du temps significatif TEMSI (W), imageries par satellite et cartes basses couches	Surface analysis (S), upper air (U), prognostic upper air chart (P) and significant weather chart TEMSI (W), satellite pictures and lox level charts.
8	Equipement complémentaire <i>Supplementary equipment</i>	SADIS, SAOMA et sites Internet spécialisés RSFTA/AMHS	SADIS,SAOMA and specialized websites AFTN/AMHS
9	Organismes ATS desservis <i>ATS units served</i>	TWR/LOME - CCR - FIC ACCRA	
10	Informations complémentaires <i>Additional information</i>	Il n'existe pas sur les autres aérodromes du TOGO de centre météorologique local susceptible d'assurer la protection de la navigation aérienne. Celle-ci est procurée, sur demande, par le CMA de LOMÉ auprès duquel les demandes de protection au départ doivent être formulées avec un préavis minimum de 4 Heures	There isn't in the others AD in TOGO,any local meteorological center able to provide air navigation protection. This service is provided, on request, byLOME main meteorological center with which air protection request at the departure AD must be formulated with a minimum notice of 4 Hours



DXXX — AD 2.12 CARACTÉRISTIQUES PHYSIQUES DES PISTES
RUNWAY PHYSICAL CHARACTERISTICS

Numéro de piste RWY NR	Relèvements VRAI et MAG <i>True and Mag Bearing</i>	Dimensions des RWY (M) <i>Dimensions of RWY (M)</i>	Résistance (PCN) et revêtement des RWY et SWY <i>Strength (PCN) and surface of RWY and SWY</i>	Coordonnées du seuil <i>Threshold THR Coordinates</i>	Altitude du seuil et du point le plus élevé de la TDZ <i>THR elevation and highest elevation of TDZ of precision RWY</i>
1	2	3	4	5	6
04	038.60° VRAI 042° MAG	3000 x 45	69 / F / B / W / T Béton bitumineux / Asphaltic concrete	06°09'18.46"N 001°14'44.47"E ----- GUND 25 M	THR : 18.73M / 61.5FT TDZ : 18.95M / 62.2FT
22	218.60° VRAI 222° MAG	3000 x 45	69 / F / B / W / T Béton bitumineux / Asphaltic concrete	06°10'34.84"N 001°15'45.35"E ----- GUND 25 M	THR : 19.41M / 63.7FT TDZ : 21.22M / 69.6FT
Pente de RWY/SWY <i>RWY/SWY Slope</i>	Dimensions PA (M) SWY <i>dimensions</i>	Dimensions des PD (M) CWY <i>Dimensions</i>	Dimensions de la bande (M) <i>Strip Dimensions</i>	Zone dégagée d'obstacle <i>Obstacle free zone (OFZ)</i>	Observations <i>Remarks</i>
7	8	9	10	11	12
0.0 %	60 x 45	300 x 45	3240 x 140	Voir carte d'Obstacles See Obstacles Chart	RESA 22 dimensions (M) : 90 x150 Pente Longitudinale : 0.14% Bande : Côté droit de l'axe de piste 22 : 3240 x 140 Côté gauche de l'axe de piste 22: (dans le sens de l'atterrissage 22) - du début de la bande jusqu'à 3078 M du seuil 22: la largeur est de 140M - de 3078 M du début de la bande du seuil 22 à la fin de la piste 22: la largeur diminue de 140M à 115,76M - de la fin de la piste 22 à la fin du SWY 22: la largeur diminue de 115,76M à 95,4M - de la fin de SWY 22 à la fin de la bande: la largeur diminue de 95,4M à 78,3M RESA 22 dimensions (M) : 90 x150 Longitudinal Slope : 0.14% Strip : Right side of runway 22 centreline (M): 3240 x 140 Left side of runway 22 centreline: (in the direction of landing 22) - from the start of the strip up to 3078 M from threshold 22: the width is 140 M - from 3078 M from the

Pente de RWY/SWY RWY/SWY Slope	Dimensions PA (M) SWY dimensions	Dimensions des PD (M) CWY Dimensions	Dimensions de la bande (M) Strip Dimensions	Zone dégagée d'osbtacle Obstacle free zone (OFZ)	Observations Remarks
7	8	9	10	11	12
0.0 %	60 x 45	300 x 45	3240 x 140	Voir carte d'obstacles See obstacles chart	start of the strip at threshold 22 to the end of runway 22: the width decreases from 140 M to 115.76M - from the end of RWY22 to the end of SWY22: the width decreases from 115.76M to 95.4M - from the end of SWY22 to the end of the strip: the width decreases from 95.4M to 78.3M



Pente de RWY/SWY RWY/SWY Slope	Dimensions PA (M) SWY dimensions	Dimensions des PD (M) CWY Dimensions	Dimensions de la bande (M) Strip Dimensions	Zone dégagée d'osbtacle Obstacle free zone (OFZ)	Observations Remarks
7	8	9	10	11	12
					<p>RESA 04 dimensions (M) :90 x90 Pente Longitudinale : 0.14% Bande : Côté droit de l'axe de piste 22 : 3240 x 140 Côté gauche de l'axe de piste 22: (dans le sens de l'atterrissage 22) - du début de la bande jusqu'à 3078 M du seuil22: la largeur est de 140M - de 3078 M du début de la bande du seuil 22 à la fin de la piste 22: la largeur diminue de 140M à 115,76M - de la fin de la piste 22 à la fin du SWY 22: la largeur diminue de 115,76M à 95,4M - de la fin de SWY 22 à la fin de la bande: la largeur diminue de 95,4M à 78,3M</p> <p>RESA 04 dimensions (M) :90 x90 Longitudinal Slope : 0.14% Strip : Right side of runway 22 centreline: 3240 x 140 Left side of runway 22 centreline: (in the direction of landing 22) - from the start of the strip up to 3078 M from threshold 22: the width is 140 M - from 3078 M from the start of the strip at threshold 22 to the end of runway 22: the width decreases from 140 M to 115.76M - from the end of RWY22 to the end of SWY22: the width decreases from 115.76M to 95.4M - from the end of SWY22 to the end of the strip: the width decreases from 95.4M to 78.3M</p>

DXXX — AD 2.13 DISTANCES DÉCLARÉES
DECLARED DISTANCES

Désignation de la piste RWY NR	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Observations Remarks
1	2	3	4	5	6
04	3000	3300	3060	3000	PD = 300 M CWY = 300 M PA = 60 M SWY = 60 M
22	3000	3300	3060	3000	PD = 300 M CWY = 300 M PA = 60 M SWY = 60 M

DXXX — AD 2.14 DISPOSITIF LUMINEUX D'APPROCHE ET BALISAGE LUMINEUX DE PISTE
APPROACH AND RUNWAY LIGHTING

Désignation de la piste RWY Designator	Type et intensité du balisage lumineux d'approche Approach lighting type, length intensity	Couleur des feux de seuil et barres THR Lights colour wing bar lights WBAR	PAPI Position/Pente Location/Slope MEHT (FT)	Zone de toucher des roues TDZ, LGT, length
1	2	3	4	5
04	NIL	Vert / Green - LIH	Gauche / Left 3° 74	NIL Balisage diurne / Marking
22	CAT I - 900 M - LIH - directionelle avec une barre de 300 M du seuil/ directional with a bar of 300 M from the threshold LIL omnidirectionelle 900 M et feux à éclat balle traçante sur 900M / omnidirectional 900 M and tracer bullet flashing lights on 900 M	Vert / Green - LIH	Gauche / Left 3° 72.86	NIL Balisage diurne/ Marking
Longueur, espacement couleur des feux d'axe de piste RWY centre line, length, spacing, colour, intensity	Longueur, espacement couleur des feux de bord de piste RWY edge lights, length, spacing, colour, intensity	Couleur des feux d'extrémité de piste RWY end lights, LEN, spacing, colour, intensity	Longueur, couleur des feux de prolongement d'arrêt SWY lights length colour	Observations Remarks
6	7	8	9	10
NIL	3000 M - 60 M Blanc sur les 2 400 premiers mètres et Jaune sur les 600 derniers mètres / White on the first 2 400 meters and Yellow on the last 600 meters	Rouge / Red - LIH	60M - Rouge / Red	2 feux blancs à éclat de seuil 2 white flashing THR lights
NIL	3000 M - 60 M Blanc sur les 2 400 premiers mètres et Jaune sur les 600 derniers mètres / White on the first 2 400 meters and Yellow on the last 600 meters	Rouge / Red - LIH	60M - Rouge / Red	2 feux blancs à éclat de seuil 2 white flashing THR lights



DXXX — AD 2.15 AUTRES DISPOSITIFS LUMINEUX, ALIMENTATION AUXILIAIRE
OTHER LIGHTING, SECONDARY POWER SUPPLY

1	Emplacement, caractéristique et heures de fonctionnement des phares d'aérodrome/ d'identification / ABN/IBN location, characteristics and hours of operation	NIL	NIL
		NIL	NIL
2	Emplacement et éclairage de l'anémomètre/ <i>Anemometer location and lighting</i> Indicateur de sens d'atterrissage <i>LDI location and lighting</i>	Anémomètre installé à 25 m du seuil de piste 22.	Anemometer installed 25 m from the threshold of runway 22.
		03 manches à air lumineuses situées chacune à : - 234 m du seuil 22 ; - 1400 m du seuil 22 ; - 2786 m du seuil 22.	3 Lighted windsocks each located at: - 234 m from threshold 22; - 1400 m from threshold 22; - 2786 m from threshold 22.
3	Feux de bord de voies de circulation et feux axiaux de voies de circulation <i>TWY edge and centre line lighting</i>	Feux de bord de voies de circulation : Bleu	TWY edge lights : Blue
		Feux axiaux de voies de circulation : NIL	TWY Centre line lights : NIL
4	Alimentation électrique auxiliaire/ délai de commutation <i>Secondary power supply / switch-over time</i>	Alimentation secours par 2 groupes de 400 KVA et par des onduleurs Temps de commutation : inférieur à 1s	Stand-by power provided by 2 diesel emergency power units 400 KVA and UPS Switch-over time : less than 1s
5	Observations / Remarks	Obstacles importants balisés de jour et de nuit Feux de protection de piste sur les taxiways B et C : Jaune	High obstacles with day marking and night obstruction light Runway guard lights on taxiways B and C: yellow

DXXX — AD 2.16 AIRE D'ATTERRISSAGE D'HÉLICOPTÈRES
HELICOPTER LANDING AREA

1	Coordonnées TLOF ou THR de la FATO <i>Coordinates TLOF or THR of FATO</i> Ondulation du Géοïde / <i>Geoid undulation</i>	NIL
2	Altitude TLOF/FATO (M/Ft) <i>TLOF and FATO elevation (M/Ft)</i>	NIL
3	TLOF + FATO : Aire, dimensions, revêtement, résistance, balisage <i>TLOF and FATO area dimensions, surface, strength, marking</i>	NIL
		NIL
		NIL
		NIL
4	Relèvements vrai et magnétique de la FATO <i>True and magnetic bearing of FATO</i>	NIL
5	Distances déclarées disponibles <i>Declared distances available</i>	NIL
6	Dispositif lumineux d'approche et de FATO <i>Approach and FATO lighting</i>	NIL
		NIL
		NIL
7	Observations / Remarks	NIL

DXXX — AD 2.17 ESPACE AÉRIEN ATS
ATS AIRSPACE

Désignation et limites latérales <i>Designation and laterals limits</i>	Limites verticales <i>Vertical limits</i>	Classification de l'espace aérien <i>Airspace classification</i>	Indicatif d'appel et langues de l'organe <i>ATS unit call sign/Languages</i>	Altitude de transition <i>Transition altitude</i>	Observations <i>Remarks</i>
1	2	3	4	5	6
CTR LOME Cercle de 10 NM de rayon centré sur LOME/GNASSINGBE ÉYADEMA VOR/DME "LM" 06°11'02.70"N - 001°16'07.60"E	300 M AMSL ----- SOL - MER	D	LOMÉ TOUR - Français (Fr) - Anglais (En)	3100 FT	
Aérodrome interdit aux aéronefs non munis de radiocommunications bilatérales. Tour de piste obligatoire par la droite au QFU 04 et tour de piste par la gauche QFU 22					
AD prohibited for ACFT not equipped with bilateral radio communications. Right circuit pattern obligatory for RWY 04 and left circuit pattern for RWY 22					

DXXX — AD 2.18 INSTALLATIONS DE TÉLÉCOMMUNICATION DES SERVICES
DE LA CIRCULATION AÉRIENNE
ATS RADIOCOMMUNICATION FACILITIES

Désignation du service <i>Service designation</i>	Indicatif d'appel <i>Call sign</i>	Fréquences (MHZ - KHZ) <i>Frequency</i>	Heure de fonctionnement <i>Hours of operation</i>	Observations <i>Remarks</i>
1	2	3	4	5
TWR	LOME TOUR	120.7 MHz	H24	P : 50 W ASSURE APP
TWR	LOME TOUR	6586 KHz	H24	P : 1 KW
A/A	LOME TOUR	123.6 MHz	H24	A/A: Service Air Sol Utilisable dans la moitié sud du TOGO. En panne depuis 1991
ACC	LOME CONTROLE	124.6 MHz	H24	P : 50W Assure ENR
ACC	LOME CONTROLE	6586 KHz	H24	P : 1 KW



DXXX — AD 2.19 AIDES DE RADIONAVIGATION ET D'ATTERRISSAGE
RADIO NAVIGATION AND LANDING AIDS

Type d'Aide/Déclinaison <i>Type of Aid/Magnetic Variation</i>	Identification <i>Identification</i>	Fréquences (MHZ-KHZ) <i>Frequency</i>	Heures de fonctionnement <i>Hours of operation</i>	Coordonnées antenne émission <i>Site of antenna coordinates</i>	Altitude de l'antenne <i>Elevation of DME antenna</i>	Observations <i>Remarks</i>
1	2	3	4	5	6	7
ILS/GP 22 3°W (2020)	LO	334.4 MHz	H24	06°10'28.43"N 001°15'35.11"E	24M (79FT)	370 M seuil 22 QDR 241° Angle desc : 3° CAT II jusqu'au seuil Slope Angle : 3° CAT II until the THR of the RWY
ILS/LOC 22 CAT. II 3°W (2020)	LO	110.1 MHz	H24	06°09'10.78"N 001°14'38.35"E	22M (72FT)	300 M seuil 04 QDR 222°
ILS/DME 3°W (2020)	LO	Ch 38X	H24	06°10'28.43"N 001°15'35.11"E	24M (79FT)	NIL
NDB 3°W (2020)	LE	294 kHz	O/R 30 MIN avant QRE	06°13'50.60"N 001°18'22.20"E	26M (85FT)	7708 M seuil 22 QDR 042° - P : 25 W
VOR/DME 3°W (2020)	LM	115.3 MHz Ch 100X	H24	06°11'02.70"N 001°16'07.60"E	27M (89FT)	P.VOR : 50 W P.DME : 1 KW

DXXX — AD 2.20 REGLEMENT LOCAUX DE L'AERODROME
LOCAL REGULATIONS OF THE AERODROME

<p>.</p> <p>L'utilisation de la raquette de retournement (l'aire de demi-tour) de piste au seuil 22 est limitée uniquement aux:</p> <p>- Aéronefs du code A et B;</p> <p>-Aéronefs de code C de type B737, AT72, DH8D , E175,A318, DC3,A319 et A320.</p> <p>Les autres aéronefs non autorisés à utiliser l'aire de demi-tour de piste au seuil 22, devront utiliser les voies de circulation T1 et T2</p>	<p><i>The use of the runway turning bay at threshold 22 is limited solely to:</i></p> <p><i>-Code A and B aircraft;</i></p> <p><i>-Code C Aircraft such as boeing 737,AT72,DH8D,E175,A318,DC3,A319 and A320.</i></p> <p><i>Others aircraft not authorized to use the turning bay at threshold 22 shall use taxiways T1 and T2</i></p>
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DXXX — AD 2.21 PROCEDURES ANTIBRUIT
ANTI NOISE PROCEDURES

NIL	
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DXXX — AD 2.22 PROCEDURES DE VOL
FLIGHT PROCEDURES

NIL	
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DXXX — AD 2.23 RENSEIGNEMENTS SUPPLEMENTAIRES
ADDITIONAL INFORMATION

<p>D'importantes volées d'oiseaux (Voir Tableau d'espèces d'oiseaux) se rassemblent chaque jour, dans la matinée entre 06 h et 08 h quand elles quittent leur principal refuge situé :</p> <p><u>À l'intérieur de l'Aérodrome de Lomé</u> - la végétation terrestre très fournie composée de formations herbeuses et ligneuses. - une zone humide située 500 m au Sud-Est du seuil de la piste 22 - les installations aéroportuaires:</p> <p><u>À l'extérieur de l'Aérodrome de Lomé</u> Les zones humides proches de l'aérodrome de Lomé sont : - La lagune de Bé située à 800 m au sud du seuil de piste 04. - Le bassin de rétention d'eau de l'université de Lomé situé à 3000 m au nord-ouest du seuil de piste 04 - La zone inondable de Zio situé à 4000 m au nord du seuil de piste 22. - La zone inondable de Togo 2000 situé à 1500m au nord-ouest du seuil 22 Ces oiseaux volent entre 0 et 2 000 ft (0 à 600 m) au dessus du sol. La même activité se produit dans l'après-midi de 15 h au coucher du soleil. Après les pluies, on assiste sur l'aérodrome de Lomé à une prolifération des insectes qui attirent divers oiseaux.</p> <p><u>Consignes opérationnelles</u> Pendant les périodes dont il s'agit, les pilotes sont priés de voler, quand les particularités de mise en oeuvre de leurs aéronefs le permettent, avec les phares d'atterrissage allumés dans la région terminale, pendant le décollage, la montée, l'approche et la descente.</p> <p><u>Procédure de lutte contre le risque aviaire</u> Pour lutter contre le risque aviaire, la SALT dispose d'un service spécialisé et de moyens adéquats pour : - Le défrichage régulier des abords immédiats de l'aire de mouvement ; - Le dégagement du couvert végétal sous forme multiple (interdiction du développement agricole, déboisement au Caterpillar, etc.) - L'effarouchement des oiseaux par les moyens acoustiques et pyrotechnique (revolver à balle à blanc) - Utilisation de fusils de calibre 12 pour le prélèvement d'oiseaux par la gendarmerie. - La lutte contre les insectes par épandages des produits phytosanitaires</p>	<p><i>Intense activity of flocks of birds (See Bird Species Table) takes place daily in the morning between 6 a.m. and 8 a.m when they leave their main refuge located:</i></p> <p><u><i>Inside Lome Aerodrome</i></u> <i>- Abundant terrestrial vegetation made up of grassy and woody formations. - a wetland located 500 m south-east of the threshold of runway 22 - airport facilities</i></p> <p><u><i>Outside Lomé Aerodrome</i></u> <i>Wetlands near Lome aerodrome are: - The lagoon of Bé located 800 m south of the threshold of runway 04. - The water retention basin of the University of Lome located 3000 m northwest of the threshold of runway 04 - The Zio flood zone located 4000 m north of the threshold of runway 22. -The Togo 2000 flood zone located 1500 m northwest of threshold 22 These birds fly between 0 and 2,000 ft (0 to 600 m) above the ground. The same activity occurs in the afternoon from 3 p.m. until sunset. After the rains, we see a proliferation of insects at Lome aerodrome, which attract various birds.</i></p> <p><u><i>Operating instructions</i></u> <i>During the above periods, pilots are advised, where the design limitations of aircraft installations permit, to operate landing lights in flight, within the terminal area and during take-off, approach-to-land and climb and descent procedures.</i></p> <p><u><i>Fight against bird risk procedure</i></u> <i>To fight against the bird risk, SALT has a specialized service and adequate means to: - Regular clearing of the immediate surroundings of the movement area ; - The release of plant cover in multiple forms (ban on agricultural development, caterpillar deforestation, etc.) - The scaring of birds by acoustic and pyrotechnic means (blank bullet revolver) -Use of 12 gauge rifles for the collection of birds by the gendarmerie. - The fight against insects by spreading phytosanitary products</i></p>
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ESPÈCES D'OISEAUX / BIRD SPECIES

N°	OISEAUX/BIRDS
1	Spermette-nonette/ spermestes cucullata
2	Tourterelle maillée/ Mesh turtledove
3	Bulbul commun/ Common Bulbul
4	Moineau gris/ Gray sparrow
5	Tisserin gendarme/ Village weaver
6	Corbeau pie/Crow pie
7	Dendrocyste veuf/ Widowed Whistling Duck
8	Milan noir/ Black kite
9	Poule noir/ Black hen



10	Héron garde boeuf/ Ox guard heron
11	Gobe mouche/ Flycatcher
12	Francolin/ Francolin
13	Chanteur d'Afrique/Africa bird singer
14	Petit martin-pêcheur huppé/ Little Crested Kingfisher
15	Pigeon de Guinée/ Speckled pigeon
16	Bûsard pâle/ Pale Bûsard
17	Coucal du Sénégal/ Senegal Coucal
18	Jacana/ Jacana
19	Cormoran africain/ African Cormorant
20	Grande aigrette/ Great egret
21	Bécasseau minute/ Buff Breasted Sandpiper
22	Epervier/Hawk
23	Corvinelle/ Yellow-billed shrike
24	Râle noir/ Black rail
25	Soui Manga superbe/ Superb Sunbird
26	Touraco gris/ Grey go-away-bird
27	Grive sp/ African thrush
28	Etourneau roupenne d'Alexander/ Red-winged starling
29	Guifette leucoptère/african red-winged starling
30	Bergeronette grise/ Grey wagtail
31	Chevalier guignette/ common sandpiper
32	Dendrocyste fauve/ Whistling Duck
33	Elanion blanc/ black-winged kite
34	Héron pourpré/ Purple heron
35	Petit gravelot/ Little ringed plover
36	Tisserin orangé/ Orange weaver
37	Martin chasseur à poitrine bleu/ Purple martin
38	Martin pêcheur huppé/ Crested Kingfisher
39	Grêbe castagneux/ Little grebe
40	Engoulevent à balancier/ Nightjar
41	Ignicolore/ Southern red bishop
42	Monseigneur/ black-winged red bishop
43	Vorabé/ yellow-crowned bishop
44	Héron crabier/ squacco heron
45	Effraie/owl
46	Gorge rouge/Redthroat
47	Pigeon ramier/ wood pigeon
48	Capucin nonette/ bronze munia
49	Perdrix/ Partridge
50	Milan royale/ Red Kite
51	Hirondelle/ Swallow

DXXX — AD 2.24 CARTES RELATIVES A L'AERODROME
AERODROME CHART

Voir Partie 3.2 - Cartes relatives aux aérodomes

See Part 3.2 - Charts related to aerodromes



PAGE LAISSÉE INTENTIONNELLEMENT VIDE

RNAV STANDARD DEPARTURES CHART(SID)-ICAO

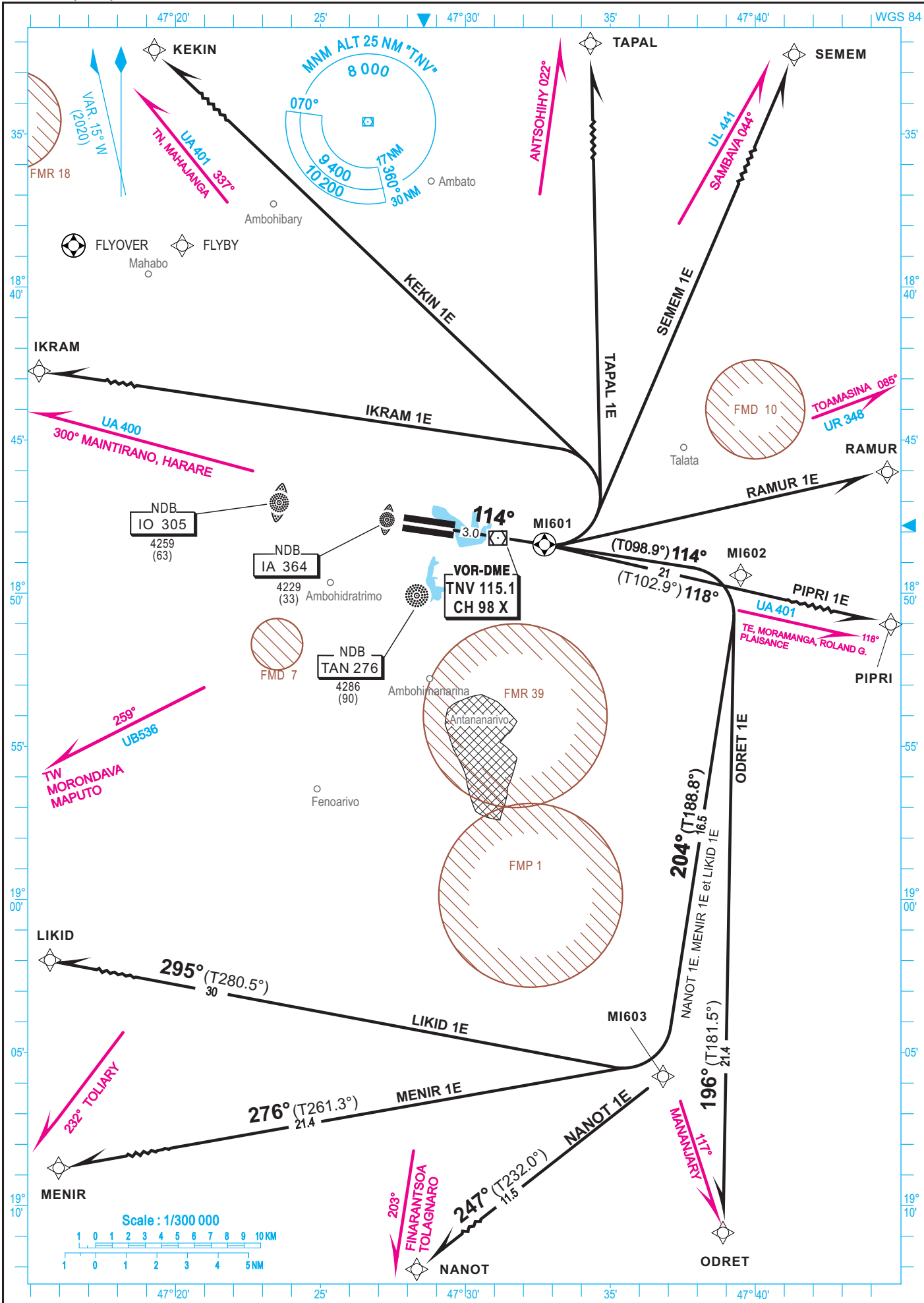
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APP 125.7
TWR 120.1

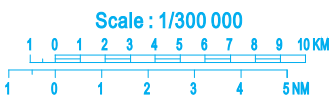
ANTANANARIVO -Ivato (FMMI)

RWY 11

IKRAM 1E-KEKIN 1E-TAPAL 1E-SEMEM 1E-RAMUR 1E-PIPRI 1E-ODRET 1E-NANOT 1E-MENIR 1E-LIKID 1E



CORRECTIONS : New version





TABULAR DESCRIPTION

SID Indicator				SID Identifier			VAR 2020 - 15.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °(M [°] T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
IKRAM 1E									
010	CF	MI601				L			RNP1
020	DF	IKRAM							RNP1
KEKIN 1E									
010	CF	MI601				L			RNP1
020	DF	KEKIN							RNP1
TAPAL 1E									
010	CF	MI601				L			RNP1
020	DF	TAPAL							RNP1
SEMEM 1E									
010	CF	MI601				L			RNP1
020	DF	SEMEM							RNP1
RAMUR 1E									
010	CF	MI601				L			RNP1
020	DF	RAMUR							RNP1
PIPRI 1E									
010	CF	MI601							RNP1
020	DF	PIPRI							RNP1

SID Indicator				SID Identifier			VAR 2020 - 15.0 W		
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °(M [°] T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
ODRET 1E									
010	CF	MI601							RNP1
020	TF	MI602		196(181.5)	21.4	R			RNP1
030	TF	ODRET							RNP1
NANOT 1E									
010	CF	MI601							RNP1
020	TF	MI602		204(188.8)	16.5	R			RNP1
030	TF	MI603		247(232.0)	11.5	R			RNP1
040	TF	NANOT							RNP1
MENIR 1E									
010	CF	MI601							RNP1
020	TF	MI602		204(188.8)	16.5	R			RNP1
030	TF	MI603		276(261.3)	21.4	R			RNP1
040	TF	MENIR							RNP1
LIKID 1E									
010	CF	MI601							RNP1
020	TF	MI602		204(188.8)	16.5	R			RNP1
030	TF	MI603		295(280.5)	30.0	R			RNP1
040	TF	LIKID							RNP1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	SEMEM	18°27'16.8"S	047°43'44.2"E
2	TAPAL	18°23'15.9"S	047°34'08.7"E
3	KEKIN	18°27'08.5"S	047°13'36.3"E
4	IKRAM	18°41'02.2"S	047°03'11.7"E
5	LIKID	19°00'13.5"S	047°05'39.6"E
6	MENIR	19°09'01.2"S	047°14'29.7"E
7	NANOT	19°12'51.5"S	047°27'16.5"E
8	ODRET	19°10'53.3"S	047°38'53.1"E
9	PIPRI	18°53'06.6"S	047°54'19.5"E
10	RAMUR	18°40'09.3"S	047°53'39.5"E
11	MI601	18°48'24.7"S	047°32'43.5"E
12	MI602	18°49'24.9"S	047°39'29.7"E
13	MI603	19°05'46.9"S	047°36'49.0"E

RNAV STANDARD DEPARTURES CHART(SID)-ICAO

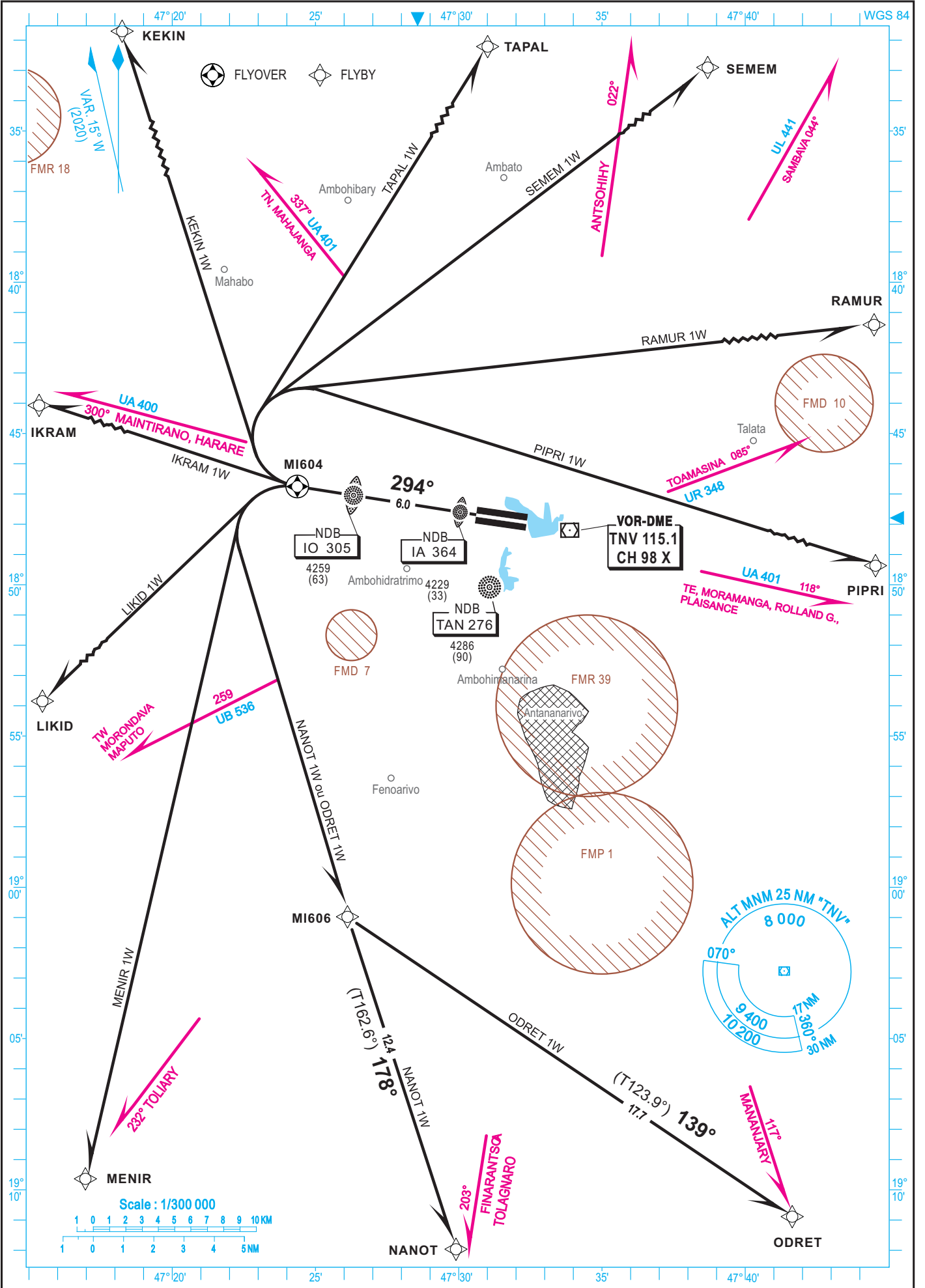
TRANSITION ALTITUDE
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APP 125.7
TWR 120.1

ANTANANARIVO - Ivato (FMMI)

RWY 29

IKRAM 1W-KEKIN 1W-TAPAL 1W-SEMEM 1W-RAMUR 1W-PIPRI 1W-ODRET 1W-NANOT 1W-MENIR 1W-LIKID 1W



CORRECTIONS : New version



TABULAR DESCRIPTION

SID Indicator	SID Identifier	VAR 2020 - 15.0 W							
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °(M [°] T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
IKRAM 1W									
010	CF	MI604							RNP1
020	DF	IKRAM							RNP1
KEKIN 1W									
010	CF	MI604				R			RNP1
020	DF	KEKIN							RNP1
TAPAL 1W									
010	CF	MI604				R			RNP1
020	DF	TAPAL							RNP1
SEMEM 1W									
010	CF	MI604				R			RNP1
020	DF	SEMEM							RNP1
RAMUR 1W									
010	CF	MI604				R			RNP1
020	DF	RAMUR							RNP1
PIPRI 1W									
010	CF	MI604							RNP1
020	DF	PIPRI							RNP1

SID Indicator	SID Identifier	VAR 2020 - 15.0 W							
Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °(M [°] T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
ODRET 1W									
010	CF	MI604							RNP1
020	TF	MI606		139(123.9)	17.7	L			RNP1
030	TF	ODRET							RNP1
NANOT 1W									
010	CF	MI604							RNP1
020	TF	MI606		178(162.6)	12.4				RNP1
030	TF	NANOT		247(232.0)	11.5				RNP1
MENIR 1W									
010	CF	MI604							RNP1
020	DF	MENIR							RNP1
LIKID 1W									
010	CF	MI604							RNP1
020	DF	LIKID							RNP1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	SEMEM	18°27'16.8"S	047°43'44.2"E
2	TAPAL	18°23'15.9"S	047°34'08.7"E
3	KEKIN	18°27'08.5"S	047°13'36.3"E
4	IKRAM	18°41'02.2"S	047°03'11.7"E
5	LIKID	19°00'13.5"S	047°05'39.6"E
6	MENIR	19°09'01.2"S	047°14'29.7"E
7	NANOT	19°12'51.5"S	047°27'16.5"E
8	ODRET	19°10'53.3"S	047°38'53.1"E
9	PIPRI	18°53'06.6"S	047°54'19.5"E
10	RAMUR	18°40'09.3"S	047°53'39.5"E
11	MI604	18°46'45.1"S	047°21'36.5"E
12	MI606	19°00'58.6"S	047°23'21.7"E

CONVENTIONAL STANDARD DEPARTURES CHART (SID) - ICAO

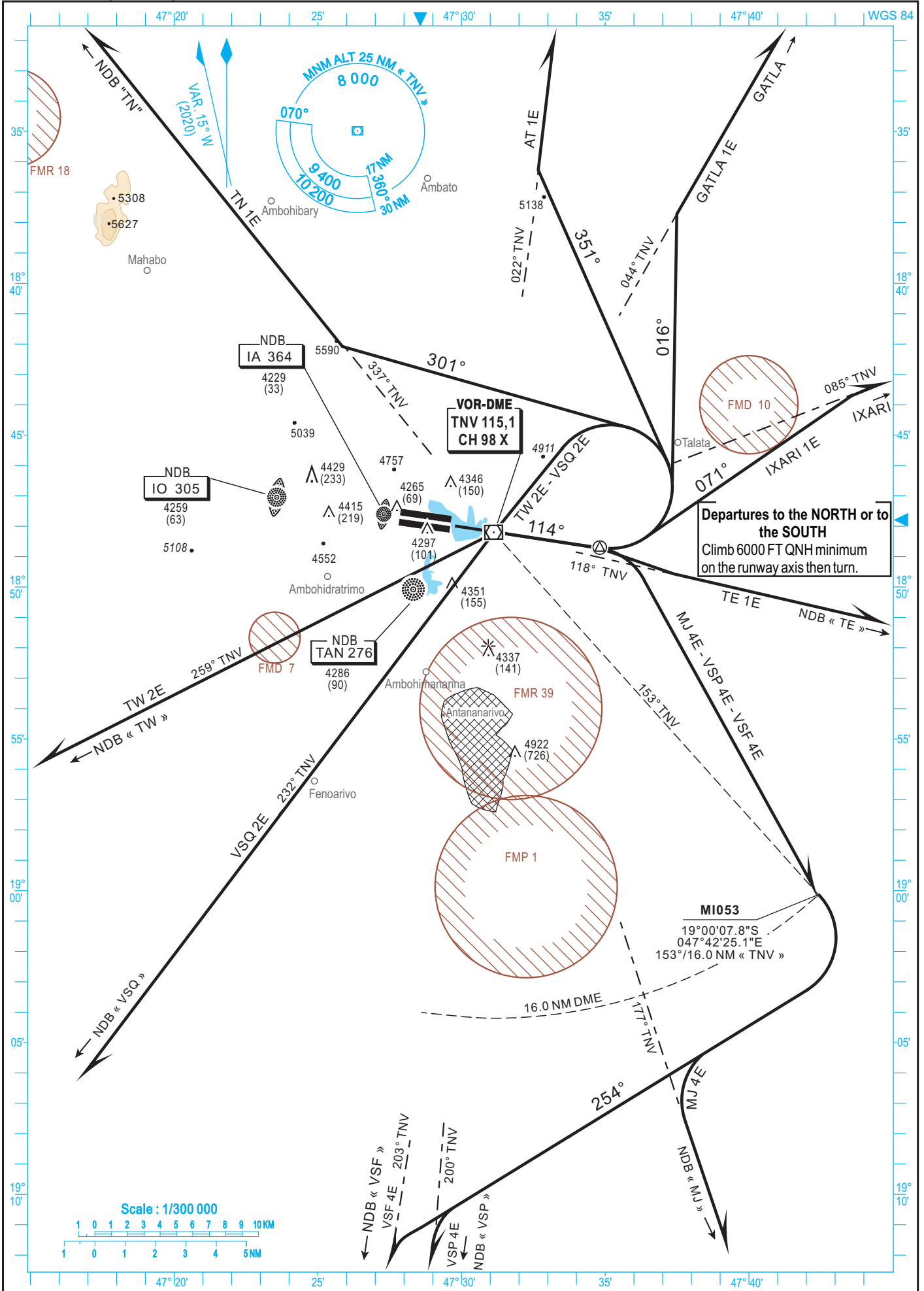
TRANSITION ALTITUDE
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APP 125.7
TWR 120.1

ANTANANARIVO - Ivato (FMMI)

RWY 11

TN 1E-AT 1E-GATLA 1E-IXARI 1E-TE 1E-MJ 4E-VSP 4E-VSF 4E-VSQ 2E-TW 2E



CORRECTIONS : New version

PAGE LAISSÉE INTENTIONNELLEMENT VIDE

CONVENTIONAL STANDARD DEPARTURES CHART (SID) - ICAO

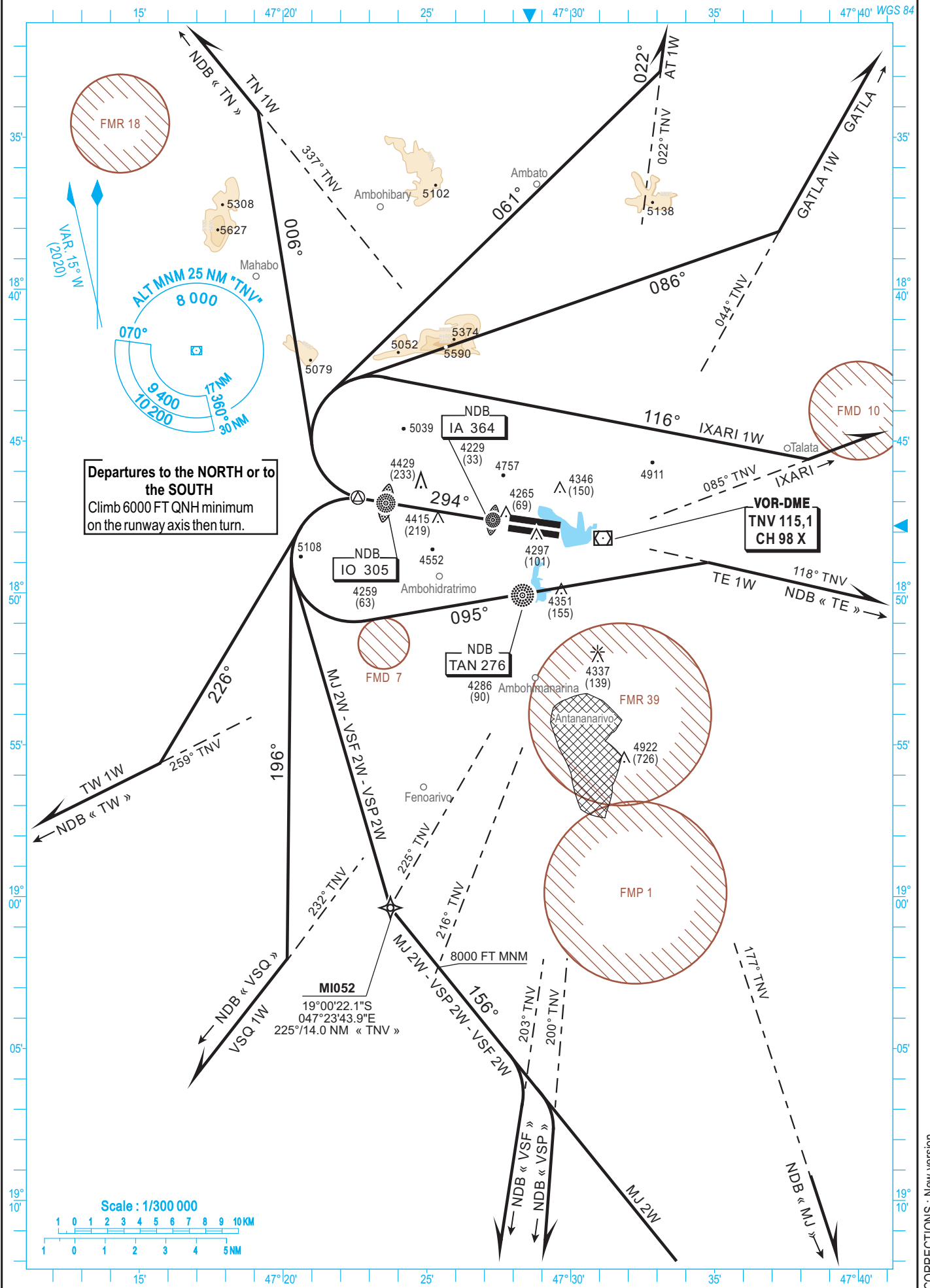
TRANSITION ALTITUDE
8000 FT

APP 125.7
TWR 120.1

ANTANANARIVO - Ivato (FMMI)

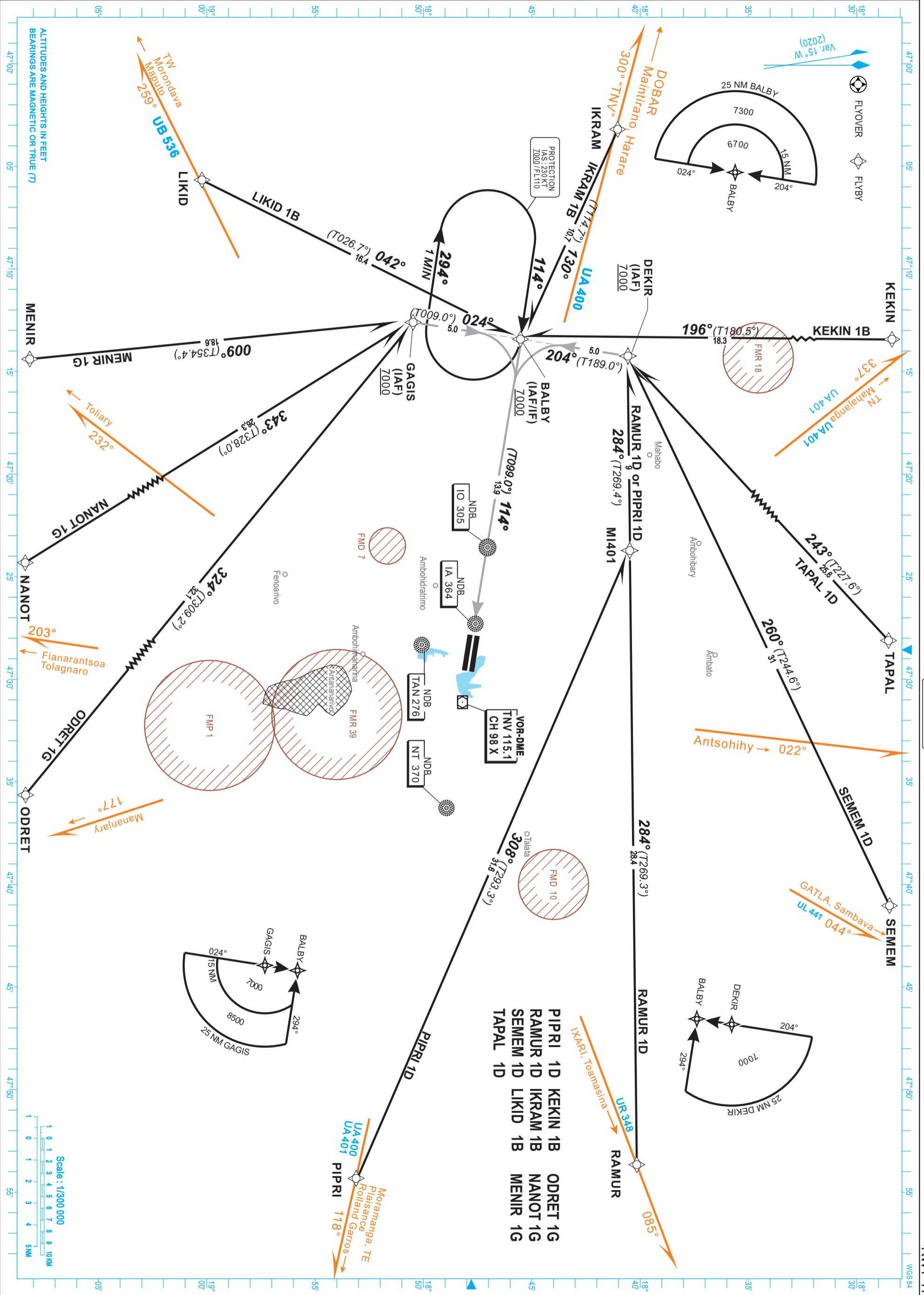
RWY 29

IXARI 1W-GATLA 1W-AT 1W-TN 1W-TW 1W-VSQ 1W-MJ 2W-VSF 2W-VSP 2W-TE 1W

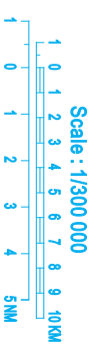


PAGE LAISSÉE INTENTIONNELLEMENT VIDE

CORRECTIONS : New version



ALTITUDES AND HEIGHTS IN FEET
BEARINGS ARE MAGNETIC OR TRUE (T)





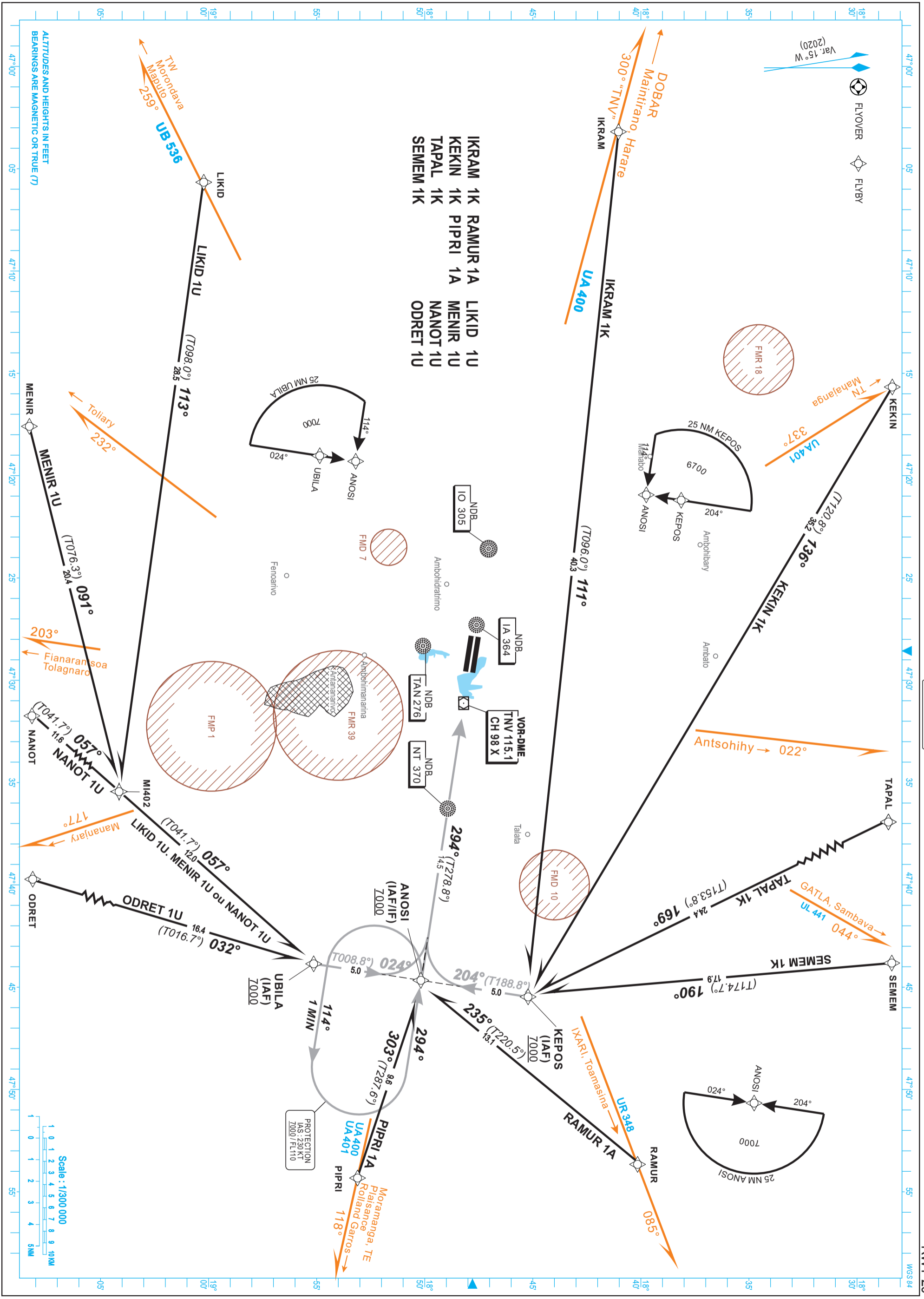
TABULAR DESCRIPTION

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Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °(M ^o T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
SEMEM 1D									
010	IF	SEMEM							RNP1
020	TF	DEKIR		260(244.6)	31.0				RNP1
TAPAL 1D									
010	IF	TAPAL							RNP1
020	TF	DEKIR		243(227.6)	25.6				RNP1
KEKIN 1B									
010	IF	KEKIN							RNP1
020	TF	BALBY		196(180.5)	18.3				RNP1
IKRAM 1B									
010	IF	IKRAM							RNP1
020	TF	BALBY		130(114.7)	10.7				RNP1
LIKID 1B									
010	IF	LIKID							RNP1
020	TF	BALBY		042(026.7)	16.4				RNP1
MENIR 1G									
010	IF	MENIR							RNP1
020	TF	GAGIS		009(354.4)	18.6				RNP1

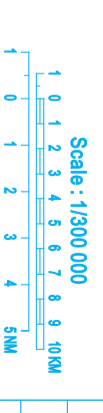
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Serial Number	Path Descriptor	Waypoint	Fly-Over	Course °(M ^o T)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	NAV Spec
NANOT 1G									
010	IF	NANOT							RNP1
020	TF	GAGIS		343(328.0)	26.3				RNP1
ODRET 1G									
010	IF	ODRET							RNP1
020	TF	GAGIS		324(309.2)	32.1				RNP1
PIPRI 1D									
010	IF	PIPRI							RNP1
020	TF	M1401		308(293.3)	31.6				RNP1
030	TF	DEKIR		284(269.4)	9.0				RNP1
RAMUR 1D									
010	IF	RAMUR							RNP1
020	TF	M1401		284(269.3)	28.4				RNP1
030	TF	DEKIR		284(269.4)	9.0				RNP1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	SEMEM	18°27'16.8"S	047°43'44.2"E
2	TAPAL	18°23'15.9"S	047°34'08.7"E
3	KEKIN	18°27'08.5"S	047°13'36.3"E
4	IKRAM	18°41'02.2"S	047°03'11.7"E
5	LIKID	19°00'13.5"S	047°05'39.6"E
6	MENIR	19°09'01.2"S	047°14'29.7"E
7	NANOT	19°12'51.5"S	047°27'16.5"E
8	ODRET	19°10'53.3"S	047°38'53.1"E
9	PIPRI	18°53'06.6"S	047°54'19.5"E
10	M1401	18°40'28.7"S	047°23'43.5"E
11	DEKIR	18°40'33.9"S	047°14'14.7"E
12	BALBY	18°45'31.4"S	047°13'25.4"E
13	GAGIS	18°50'28.9"S	047°12'36.1"E



ALTITUDES AND HEIGHTS IN FEET
BEARINGS ARE MAGNETIC OR TRUE (T)





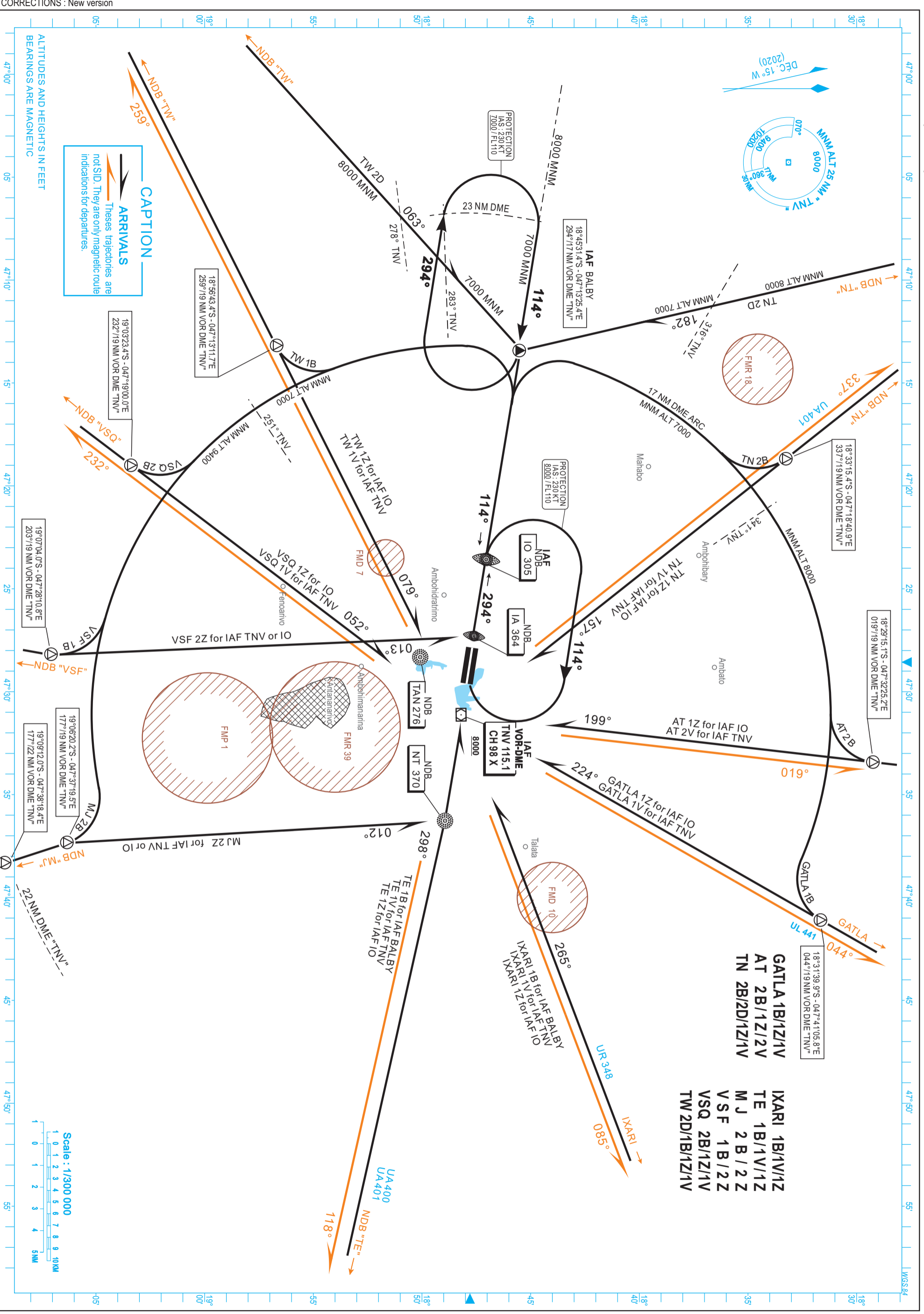
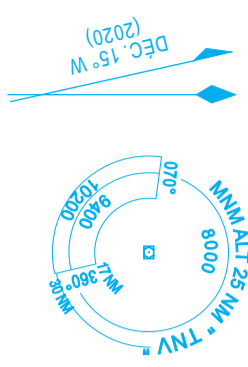
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020	KEPOS	RNP1
SEMEM 1K		
010	SEMEM	RNP1
020	KEPOS	RNP1
TAPAL 1K		
010	TAPAL	RNP1
020	KEPOS	RNP1
KEKIN 1K		
010	KEKIN	RNP1
020	KEPOS	RNP1
IKRAM 1K		
010	IKRAM	RNP1
020	KEPOS	RNP1
LIKID 1U		
010	LIKID	RNP1
020	MI402	RNP1
030	UBILA	RNP1
MENIR 1U		
010	MENIR	RNP1
020	MI402	RNP1
030	UBILA	RNP1
NANOT 1U		
010	NANOT	RNP1
020	MI402	RNP1
030	UBILA	RNP1

STAR Indicator	STAR Identifier	VAR 2020 - 15.0 W
010	ODRET	RNP1
020	UBILA	RNP1
ODRET 1U		
010	ODRET	RNP1
020	UBILA	RNP1
PIPRI 1A		
010	PIPRI	RNP1
020	ANOSI	RNP1
RAMUR 1A		
010	RAMUR	RNP1
020	ANOSI	RNP1

LIST OF WAYPOINTS

Number	Waypoint ID	LATITUDE	LONGITUDE
1	SEMEM	18°27'16.8"S	047°43'44.2"E
2	TAPAL	18°23'15.9"S	047°34'08.7"E
3	KEKIN	18°27'08.5"S	047°13'36.3"E
4	IKRAM	18°41'02.2"S	047°03'11.7"E
5	LIKID	19°00'13.5"S	047°05'39.6"E
6	MENIR	19°09'01.2"S	047°14'29.7"E
7	NANOT	19°12'51.5"S	047°27'16.5"E
8	ODRET	19°10'53.3"S	047°38'53.1"E
9	PIPRI	18°53'06.6"S	047°54'19.5"E
10	MI402	19°04'08.5"S	047°35'26.6"E
11	KEPOS	18°45'13.2"S	047°45'28.4"E
12	ANOSI	18°50'10.8"S	047°44'39.9"E
13	UBILA	18°55'08.4"S	047°43'51.5"E

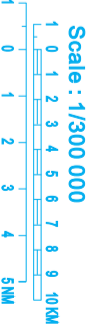


CAPTION
ARRIVALS
These trajectories are not SID. They are only magnetic route indications for departures.

ALTITUDES AND HEIGHTS IN FEET
BEARINGS ARE MAGNETIC

GATLA 1B/1Z/1V
AT 2B/1Z/2V
TN 2B/2D/1Z/1V
IXARI 1B/1V/1Z
TE 1B/1V/1Z
MJ 2B/2Z
VSF 1B/2Z
VSQ 2B/1Z/1V
TW 2D/1B/1Z/1V

IAF VOR-DME
TNN 115.1
CH 98 X
8000



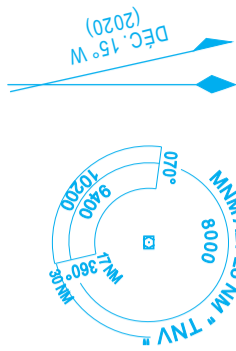
PAGE LAISSÉE INTENTIONNELLEMENT VIDE

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

MADAGASCAR

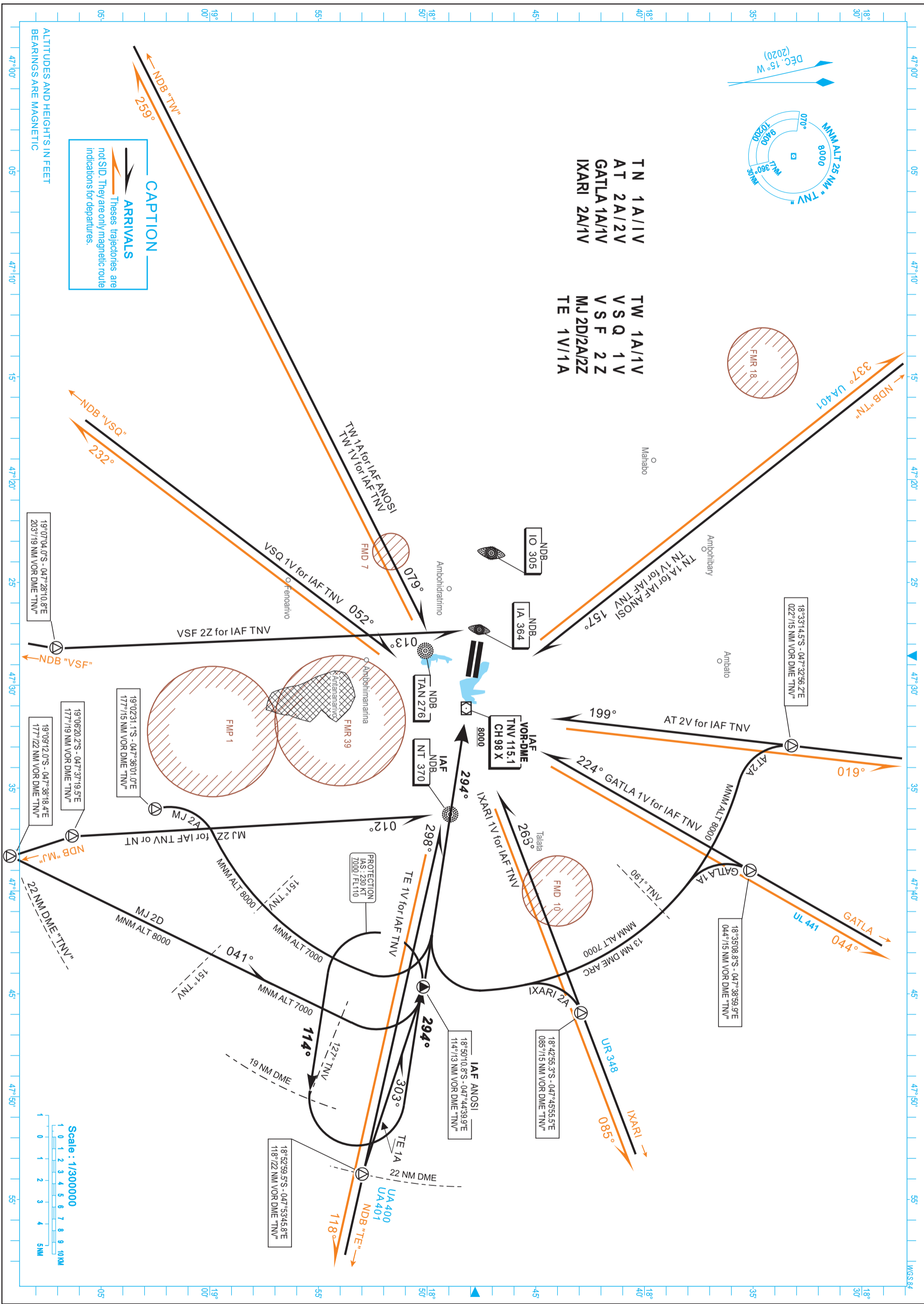
TRANSITION ALTITUDE 8000
APP 125.7
TWR 120.1

ANTANANARIVO / Ivato (FM/MI)
RWY 29



TN 1A/1V
AT 2A/2V
GATLA 1A/1V
IXARI 2A/1V

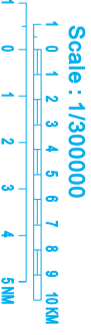
TW 1A/1V
V SQ 1V
V SF 2Z
MJ 2D/2A/2Z
TE 1V/1A



CAPTION

ARRIVALS
These trajectories are not SID. They are only magnetic route indications for departures.

ALTITUDES AND HEIGHTS IN FEET
BEARINGS ARE MAGNETIC



PAGE LAISSÉE INTENTIONNELLEMENT VIDE

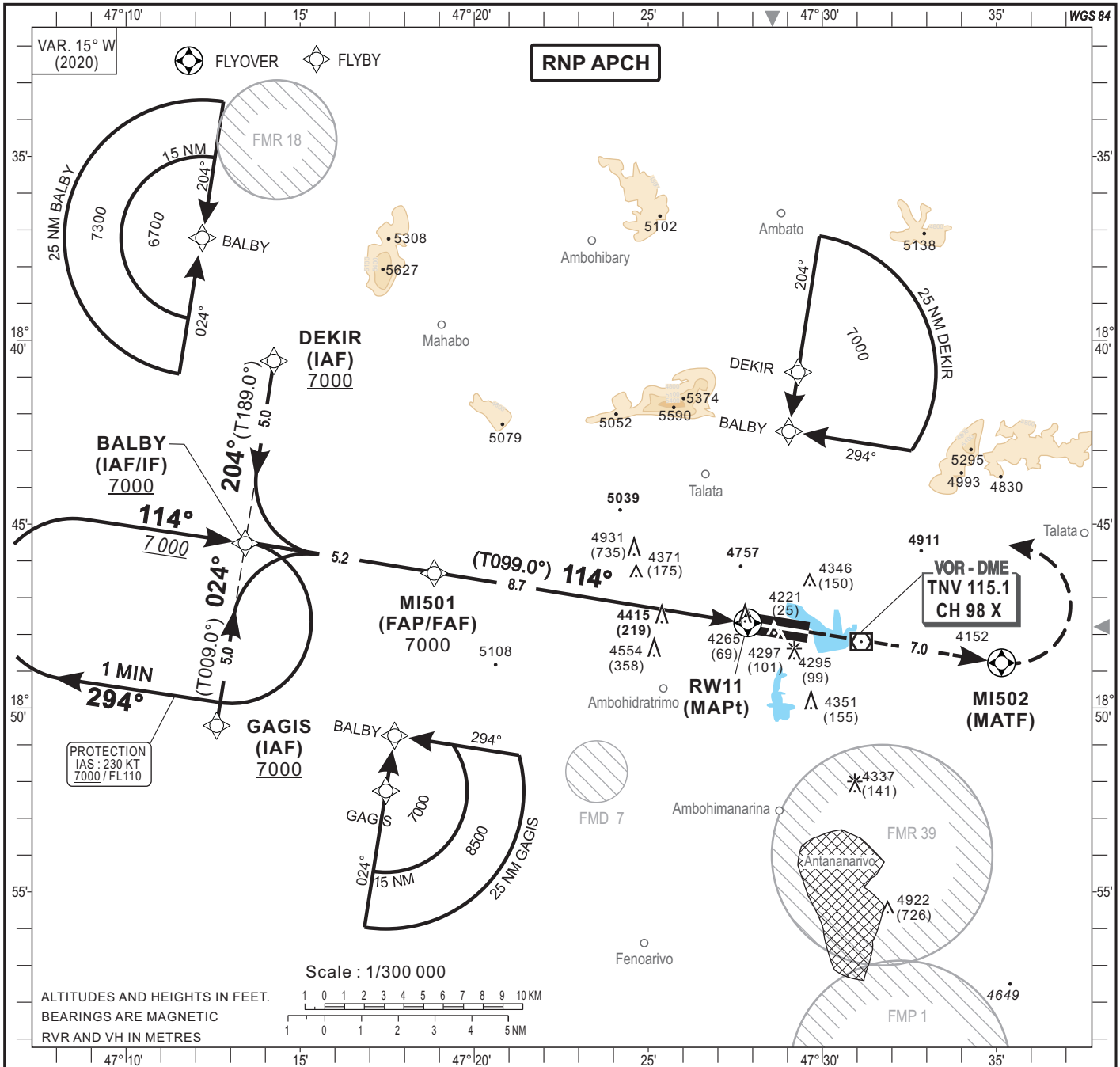
INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 4196 FT

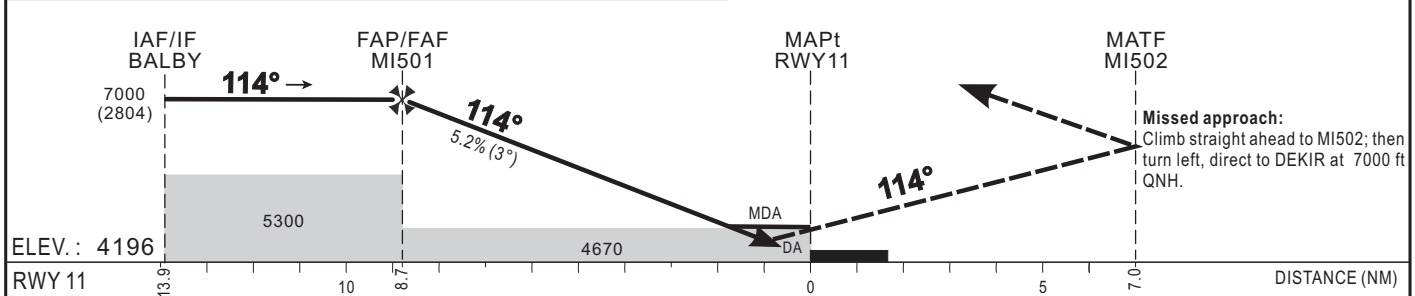
HEIGHTS RELATED TO THR RWY11 - ELEV 4196 FT

APP 125.7
TWR 120.1

ANTANANARIVO -Ivato (FMMI)
RNP RWY 11
(ACFT CAT A, B, C, D)



Distance to THR 11 (NM)	FAP/FAF	7	6	5	4	3	2	1	TRANSITION ALTITUDE : 8000
Altitude (ft)	7000	6475	6160	5840	5520	5205	4885	4565	



CAT	LNAV/VNAV				LNAV				CIRCLING (3)				Timing	FAF / THR 8.7 NM
	OCA (OCH)	DA	DH	RVR(1) RVR(2)	OCA (OCH)	MDA MDH	RVR(1) RVR(2)	OCA (OCH)	MDA MDH	VH				
A	4446 (250)	4450 (250)	900	1500	4661 (465)	4670 (470)	800 1500	5052 (856)	5060 (860)	1500	90 5 Min 48 140 3 Min 44 100 5 Min 13 150 3 Min 29 110 4 Min 45 160 3 Min 16 120 4 Min 21 170 3 Min 04 130 4 Min 01 180 2 Min 54			
B	4458 (262)	4460 (270)	1000	1500			800 1500	5305 (1109)	5310 (1110)	1600				
C	4478 (282)	4480 (290)	1000	1800			800 1600	5433 (1237)	5440 (1240)	2400				
D	4506 (310)	4510 (310)	1400	2000			1200 1800			3600				

Notes : (1) With approach lights - (2) Without approach lights
(3) At the North of the field - Daytime only.
Minimum temperature : 10°.

CORRECTIONS : New version

TABULAR DESCRIPTION

RNP RWY 11

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	DEKIR	-					+7000	230	-	RNP APCH
20	TF	BALBY	-	204(189.0)		5.0		+7000	230	-	RNP APCH
10	IF	GAGIS	-					+7000	230	-	RNP APCH
20	TF	BALBY	-	024(009.0)		5.0		+7000	230	-	RNP APCH
10	IF	BALBY	-					+7000	230	-	RNP APCH
20	TF	MI501	-	114(099.0)		5.2		@7000	-	-	RNP APCH
30	TF	RW11	Y	114(099.0)	+15.0	8.7		@4246	-	-3/15	RNP APCH
40	TF	MI502	Y	114(099.0)		7.0	L	-	-	-	RNP APCH
50	DF	DEKIR	-					+7000	-		
10	IF	BALBY	-					+7000	230	-	RNP APCH
20	HM	BALBY	Y	114(099.0)			R	+7000	230	-	RNP APCH

RNP RWY 11		
Waypoint Identifier	Coordinates	
DEKIR	18°40'33.900"S	047°14'14.700"E
BALBY	18°45'31.400"S	047°13'25.400"E
GAGIS	18°50'28.900"S	047°12'36.100"E
MI501	18°46'20.300"S	047°18'51.000"E
RW11	18°47'41.100"S	047°27'51.400"E
MI502	18°48'46.200"S	047°35'08.800"E

INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 4196 FT

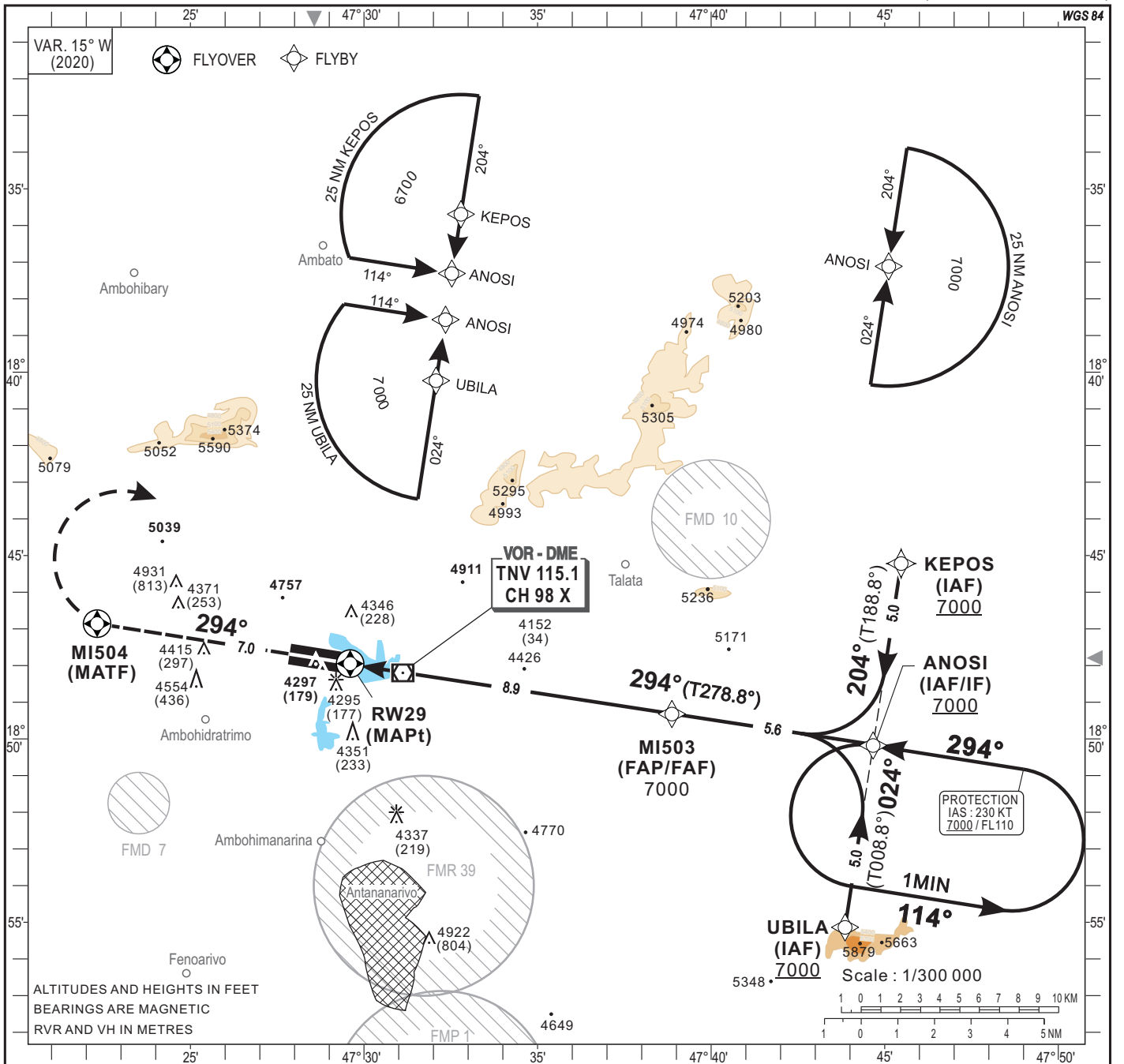
APP 125.7
TWR 120.1

ANTANANARIVO - Ivato (FMMI)

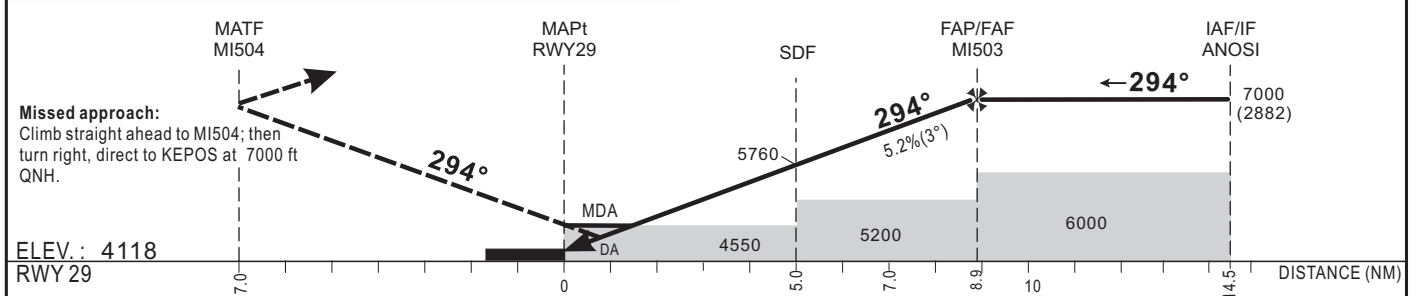
RNP RWY 29

HEIGHTS RELATED TO THR RWY29 - ELEV 4118 FT

(ACFT CAT A, B, C, D)



2	3	4	5	6	7	8	FAP/FAF	Distance to THR 29 (NM)	TRANSITION ALTITUDE : 8000	
4805	5125	5440	5760	6080	6395	6715	7000	Altitude (ft)		



CAT	LNAV/VNAV				LNAV				CIRCLING (1)				Timing	FAF / THR 8.9 NM		
	OCA (OCH)	DA	DH	RVR	OCA (OCH)	MDA	MDH	RVR	OCA (OCH)	MDA	MDH	VH				
A	4427 (309)	4430 (310)		1500	4543 (425)	4550 (430)		1500	5052 (856)	5060 (860)		1500	90	5 Min 56	140	3 Min 49
B	4441 (323)	4450 (330)		1500				1600			1600					
C	4461 (343)	4470 (350)		1800		1600	1600									
D	4489 (371)	4490 (380)		2000		1800	1800									

Notes : (1) At the North of the field - Daytime only.
Minimum temperature : 10°.

KT	MIN.	SEC	KT	MIN.	SEC
90	5	56	140	3	49
100	5	20	150	3	34
110	4	51	160	3	20
120	4	27	170	3	08
130	4	06	180	2	58

CORRECTIONS : New version.

TABULAR DESCRIPTION

RNP RWY 29

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	KEPOS	-					+7000	230	-	RNP APCH
20	TF	ANOSI	-	204(188.8)		5.0		+7000	230	-	RNP APCH
10	IF	UBILA	-					+7000	230	-	RNP APCH
20	TF	ANOSI	-	024(008.8)		5.0		+7000	230	-	RNP APCH
10	IF	ANOSI	-					+7000	230	-	RNP APCH
20	TF	MI503	-	294(278.8)		5.6		@7000	-	-	RNP APCH
30	TF	RW29	Y	294(278.8)	+15.0	8.9		@4168	-	-3/15	RNP APCH
40	TF	MI504	Y	294(278.8)		7.0	R	-	-	-	RNP APCH
50	DF	KEPOS	-					+7000	-		
10	IF	ANOSI	-					+7000	230	-	RNP APCH
20	HM	ANOSI	Y	294(278.8)			L	+7000	230	-	RNP APCH

RNP RWY 29		
Waypoint Identifier	Coordinates	
KEPOS	18°45'13.200"S	047°45'28.400"E
ANOSI	18°50'10.800"S	047°44'39.900"E
UBILA	18°55'08.400"S	047°43'51.500"E
MI503	18°49'19.400"S	047°38'52.200"E
RW29	18°47'56.700"S	047°29'36.000"E
MI504	18°46'51.400"S	047°22'18.600"E

**INSTRUMENT
APPROACH
CHART-ICAO**

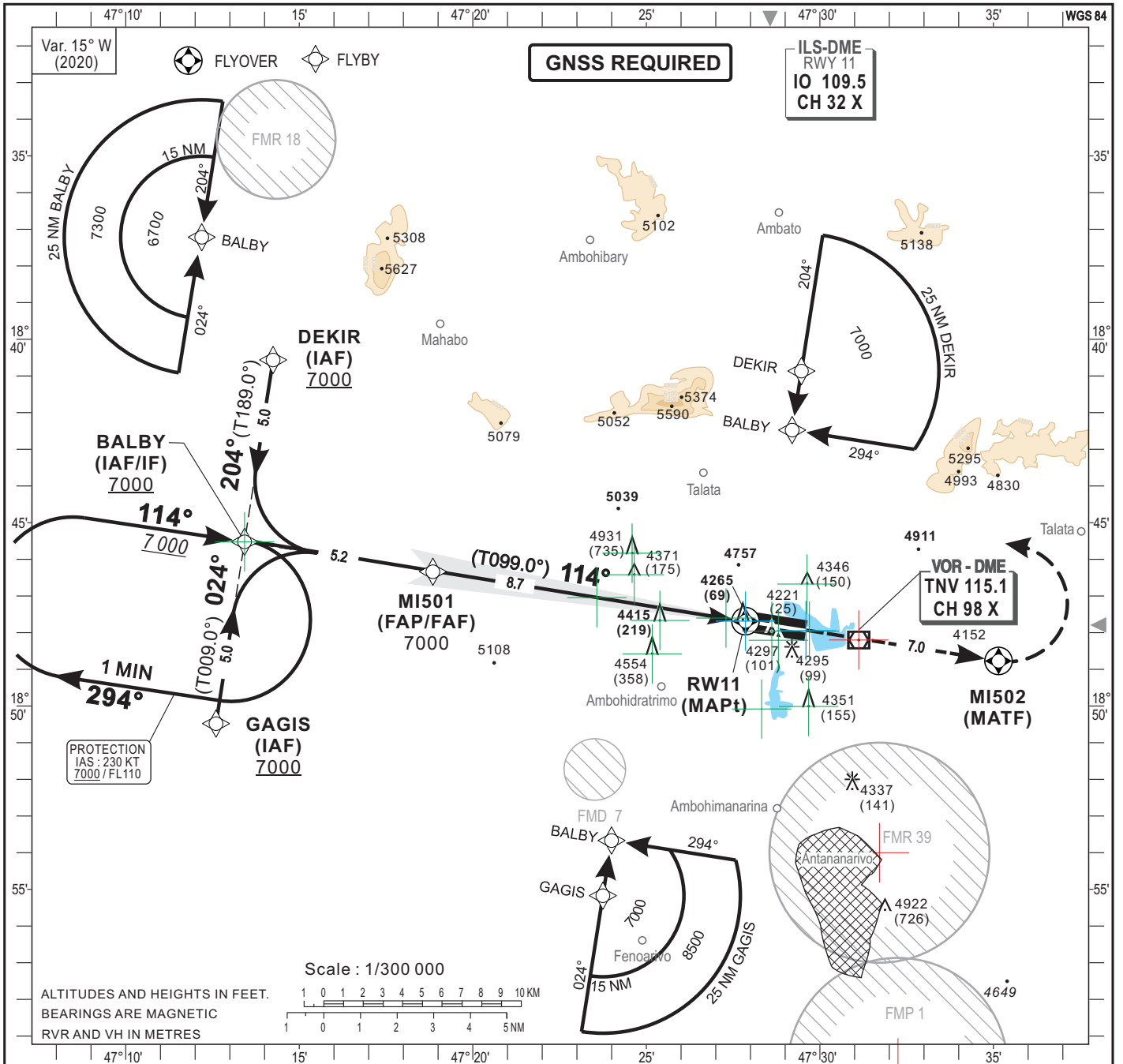
AERODROME ELEV 4196 FT

HEIGHTS RELATED TO THR RWY11 - ELEV 4196 FT

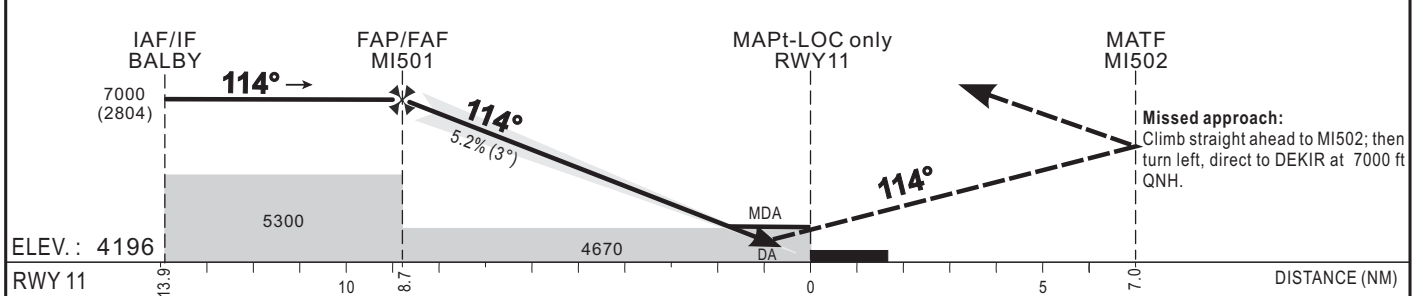
APP 125.7
TWR 120.1

ANTANANARIVO -Ivato (FMMI)

ILS X or LOC X RWY 11
(ACFT CAT A, B, C, D)



DME-ILS distance (NM)	FAP/FAF	7	6	5	4	3	2	TRANSITION ALTITUDE : 8000
Altitude (ft)	7000	6400	6080	5770	5450	5140	4820	



CAT	CAT. 1				LOC				CIRCLING (3)				Timing	FAF / THR 8.7 NM
	OCA (OCH)	DA	DH	RVR(1) RVR(2)	OCA (OCH)	MDA	MDH	RVR(1) RVR(2)	OCA (OCH)	MDA	MDH	VH		
A	4395 (199)	4400 (200)	550	1000	4661 (465)	4670 (470)		800 1500	5052 (856)	5060 (860)	1500	90 5 Min 48 140 3 Min 44 100 5 Min 13 150 3 Min 29 110 4 Min 45 160 3 Min 16 120 4 Min 21 170 3 Min 04 130 4 Min 01 180 2 Min 54		
B	4407 (210)	4410 (210)	600	1000			800 1500			1600				
C	4415 (218)	4420 (220)	600	1000			800 1600	5305 (1109)	5310 (1110)	2400				
D	4426 (229)	4430 (230)	600	1000			1200 1800	5433 (1237)	5440 (1240)	3600				

Notes : (1) With approach lights - (2) Without approach lights
(3) At the North of the field - Daytime only.

CORRECTIONS: New version

TABULAR DESCRIPTION

ILS X or LOC X RWY 11

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	DEKIR	-					+7000	230	-	RNP APCH
20	TF	BALBY	-	204(189.0)		5.0		+7000	230	-	RNP APCH
10	IF	GAGIS	-					+7000	230	-	RNP APCH
20	TF	BALBY	-	024(009.0)		5.0		+7000	230	-	RNP APCH
10	IF	BALBY	-					+7000	230	-	RNP APCH
20	TF	MI501	-	114(099.0)		5.2		@7000	-	-	RNP APCH
30	TF	RW11	Y	114(099.0)	+15.0	8.7		@4246	-	-3/15	RNP APCH
40	TF	MI502	Y	114(099.0)		7.0	L	-	-	-	RNP APCH
50	DF	DEKIR	-					+7000	-		
10	IF	BALBY	-					+7000	230	-	RNP APCH
20	HM	BALBY	Y	114(099.0)			R	+7000	230	-	RNP APCH

IL X or LOC X RWY 11		
Waypoint Identifier	Coordinates	
DEKIR	18°40'33.900"S	047°14'14.700"E
BALBY	18°45'31.400"S	047°13'25.400"E
GAGIS	18°50'28.900"S	047°12'36.100"E
MI501	18°46'20.300"S	047°18'51.000"E
RW11	18°47'41.100"S	047°27'51.400"E
MI502	18°48'46.200"S	047°35'08.800"E

**INSTRUMENT
APPROACH
CHART-ICAO**

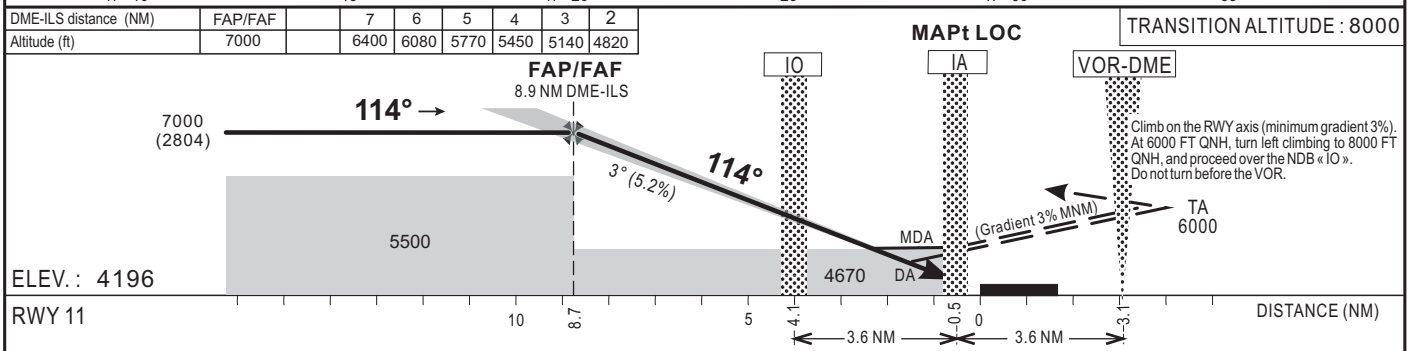
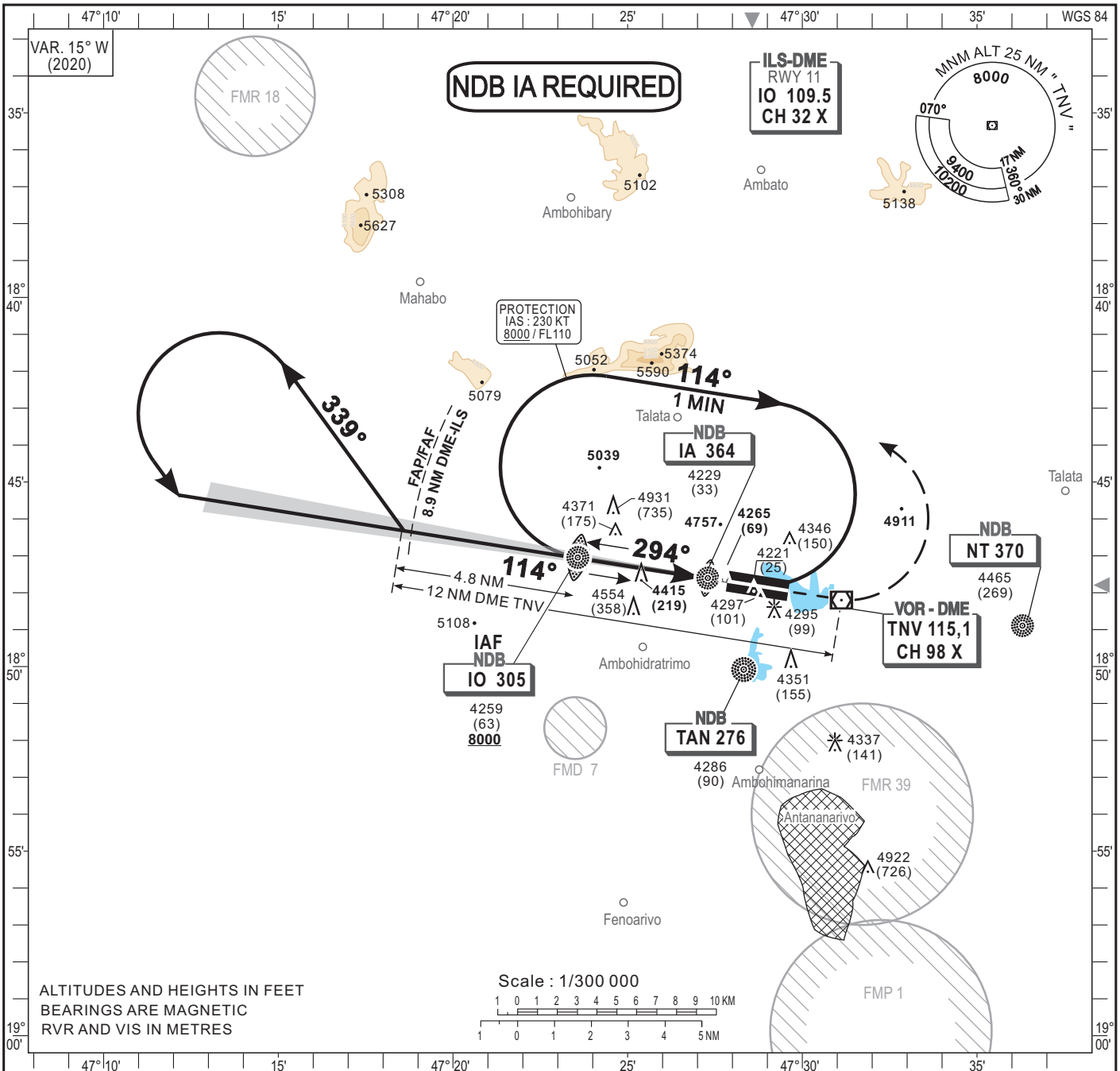
AERODROME ELEV 4196 FT

APP 125.7
TWR 120.1

ANTANANARIVO -Ivato (FMMI)

ILS Y or LOC Y - RWY 11
(ACFT CAT A, B, C, D)

HEIGHTS RELATED TO THR RWY11 - ELEV 4196 FT



CAT	CAT. 1				LOC				CIRCLING (3)				Timing	FAP/FAF - THR 8.7 NM
	OCA (OCH)	DA	DH	RVR(1)	RVR(2)	OCA (OCH)	MDA	MDH	RVR(1)	RVR(2)	OCA (OCH)	MDA		
A	4395 (199)	4400 (200)	550	1000	4661 (465)	4670 (470)			1000	1500	5052 (856)	5060 (860)	1500	
B	4407 (210)	4410 (210)	600	1000					1200	1500				
C	4415 (218)	4420 (220)	600	1000	5305 (1109)	5310 (1110)	2400	1200	2000	5305 (1109)	5310 (1110)	2400	1500	
D	4426 (229)	4430 (230)	600	1000				1600	2000					

Notes: (1) With approach line
(2) Without approach line
(3) At the North of the field - Daytime only.

CORRECTIONS : New version.

INSTRUMENT APPROACH CHART-ICAO

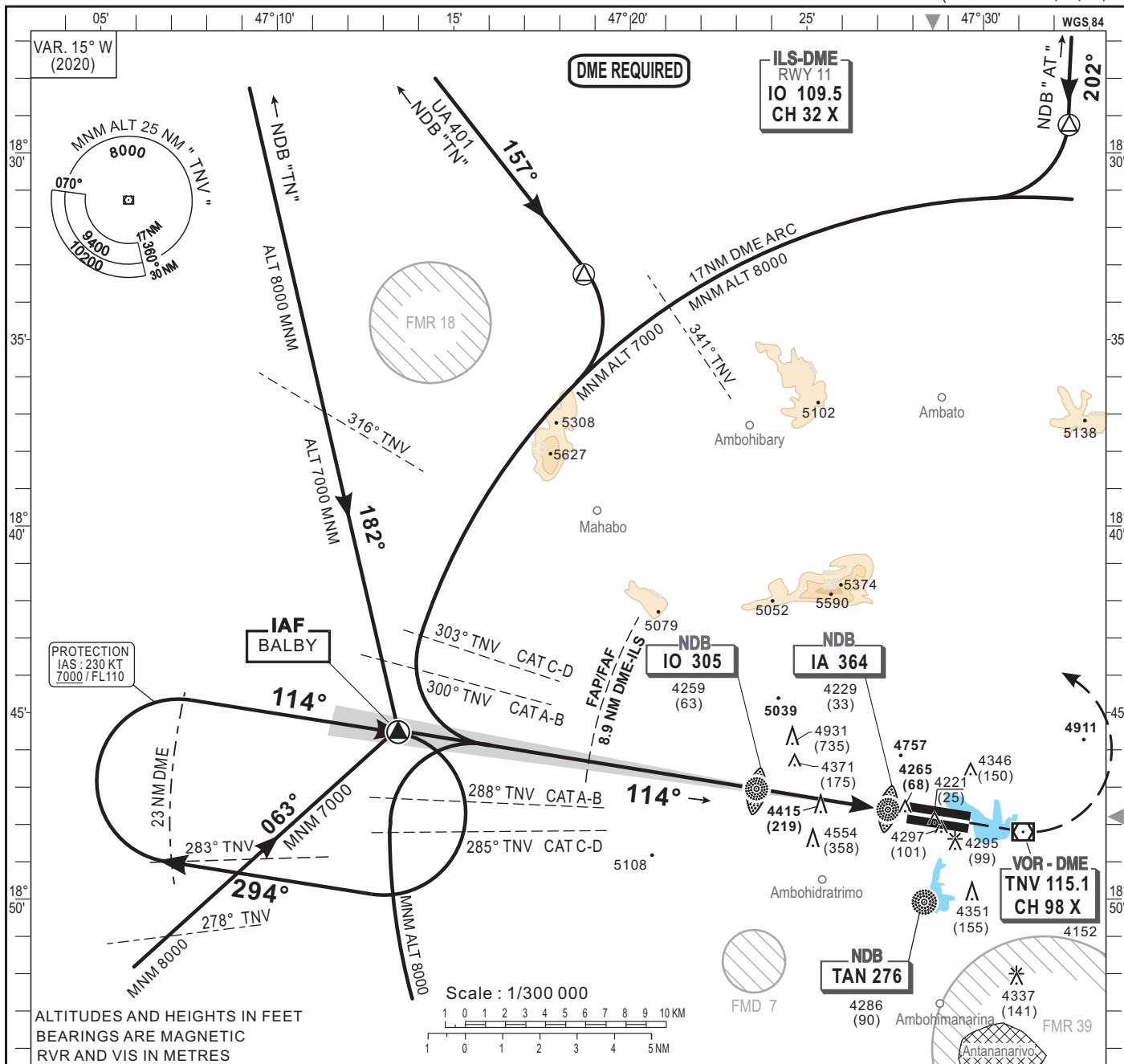
AERODROME ELEV 4196 FT

HEIGHTS RELATED TO THR RWY11 - ELEV 4196 FT

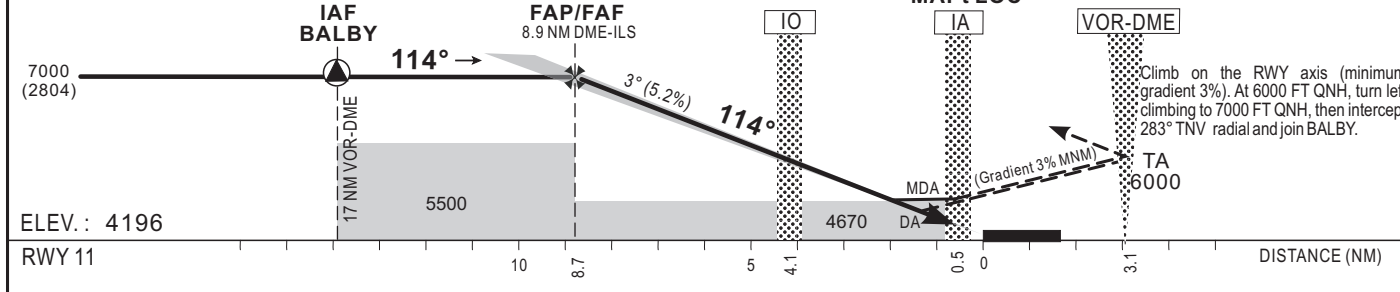
APP 125.7
TWR 120.1

ANTANANARIVO - Ivato (FMMI)

ILS Z or LOC Z - RWY 11
(ACFT CAT A, B, C, D)



DME-ILS distance (NM)	FAP/FAF	7	6	5	4	3	2
Altitude (ft)	7000	6400	6080	5770	5450	5140	4820



CAT	CAT. 1				LOC				CIRCLING (3)				Timing	
	OCA (OCH)	DA	DH	RVR(1)	RVR(2)	OCA (OCH)	MDA	MDH	RVR(1)	RVR(2)	OCA (OCH)	MDA		MDH
A	4395 (199)	4400 (200)		550	1000	4661 (465)	4670 (470)		1000	1500	5052 (856)	5060 (860)		1500
B	4407 (210)	4410 (210)		600	1000				1200	1500				1600
C	4415 (218)	4420 (220)		600	1000				1200	2000	5305 (1109)	5310 (1110)		2400
D	4426 (229)	4430 (230)		600	1000				1600	2000	5433 (1237)	5440 (1240)		3600

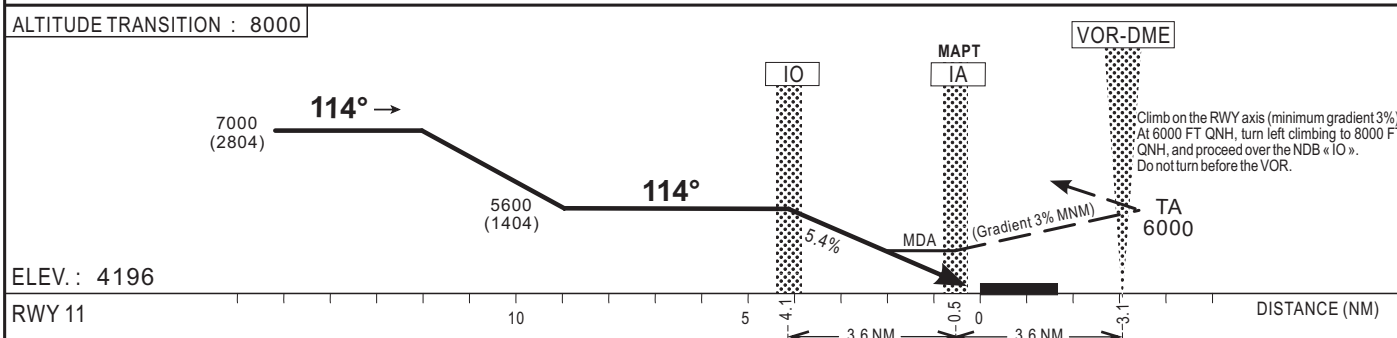
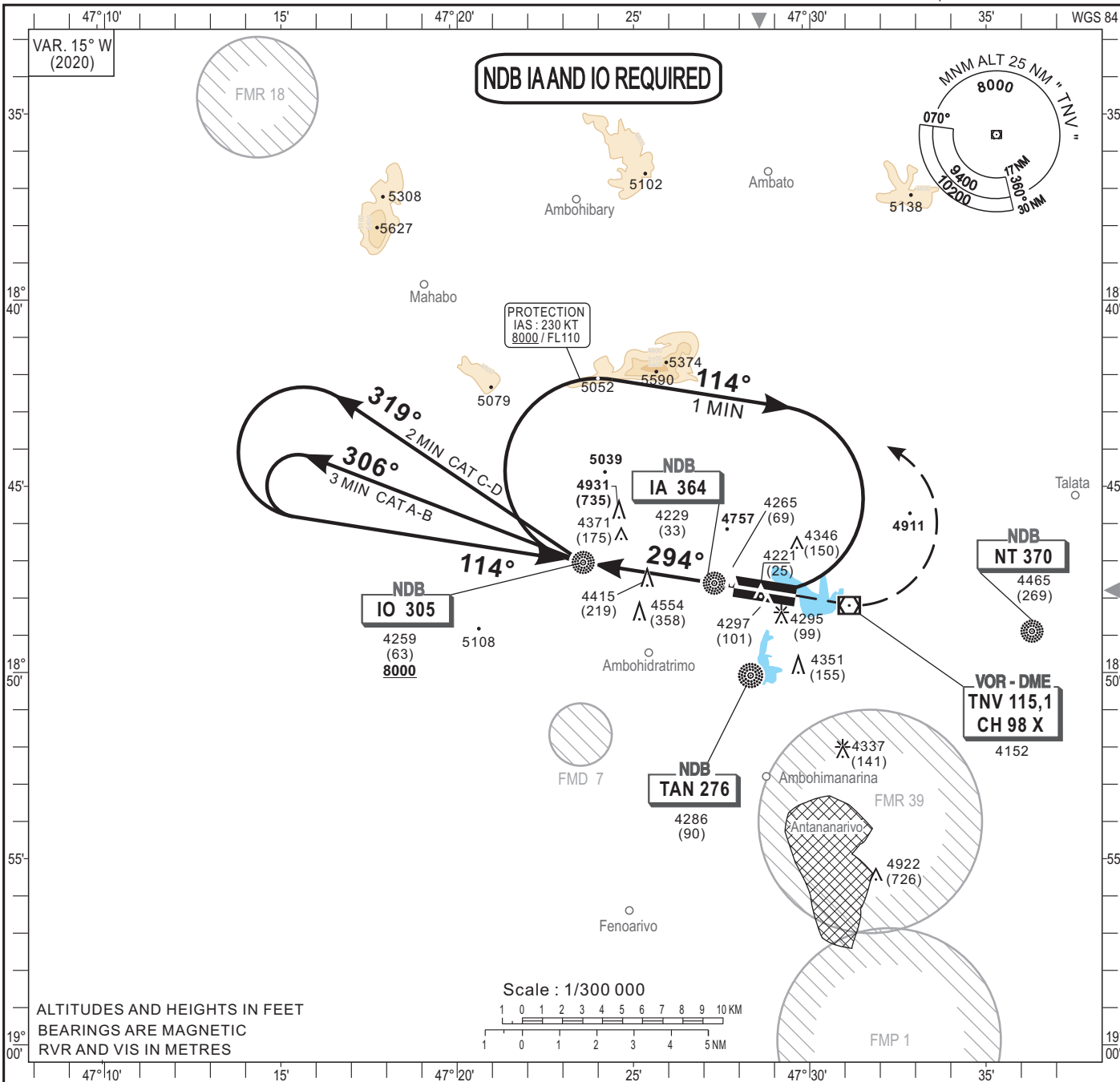
Notes: (1) With approach line
(2) Without approach line
(3) At the North of the field - Daytime only.

INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 4196 FT
 HEIGHTS RELATED TO THR RWY11 - ELEV 4196 FT

APP 125.7
 TWR 120.1

ANTANANARIVO - Ivato (FMMI)
 NDB - RWY 11
 (ACFT CAT A, B, C, D)



CAT	NDB				CIRCLING (3)				Timing «IO» / THR 4.1 NM																																			
	OCA (OCH)	MDA MDH	RVR(1)	RVR(2)	OCA (OCH)	MDA MDH	VH																																					
A			1000	1500	5052 (856)	5060 (860)	1500	<table border="1"> <thead> <tr> <th>KT</th> <th>MIN</th> <th>SEC</th> <th>KT</th> <th>MIN</th> <th>SEC</th> </tr> </thead> <tbody> <tr> <td>90</td> <td>2</td> <td>Min 44</td> <td>140</td> <td>1</td> <td>Min 45</td> </tr> <tr> <td>100</td> <td>2</td> <td>Min 28</td> <td>150</td> <td>1</td> <td>Min 38</td> </tr> <tr> <td>110</td> <td>2</td> <td>Min 14</td> <td>160</td> <td>1</td> <td>Min 32</td> </tr> <tr> <td>120</td> <td>2</td> <td>Min 03</td> <td>170</td> <td>1</td> <td>Min 27</td> </tr> <tr> <td>130</td> <td>1</td> <td>Min 54</td> <td>180</td> <td>1</td> <td>Min 22</td> </tr> </tbody> </table>	KT	MIN	SEC	KT	MIN	SEC	90	2	Min 44	140	1	Min 45	100	2	Min 28	150	1	Min 38	110	2	Min 14	160	1	Min 32	120	2	Min 03	170	1	Min 27	130	1	Min 54	180	1	Min 22
KT	MIN	SEC	KT	MIN	SEC																																							
90	2	Min 44	140	1	Min 45																																							
100	2	Min 28	150	1	Min 38																																							
110	2	Min 14	160	1	Min 32																																							
120	2	Min 03	170	1	Min 27																																							
130	1	Min 54	180	1	Min 22																																							
B	5147 (951)	5150 (960)	1200	1500	5305 (1109)	5310 (1110)	1600																																					
C			1200	2000	5305 (1109)	5310 (1110)	2400																																					
D			1600	2000	5433 (1237)	5440 (1240)	3600																																					

Notes: (1) With approach line
 (2) Without approach line
 (3) At the North of the field - Daytime only.

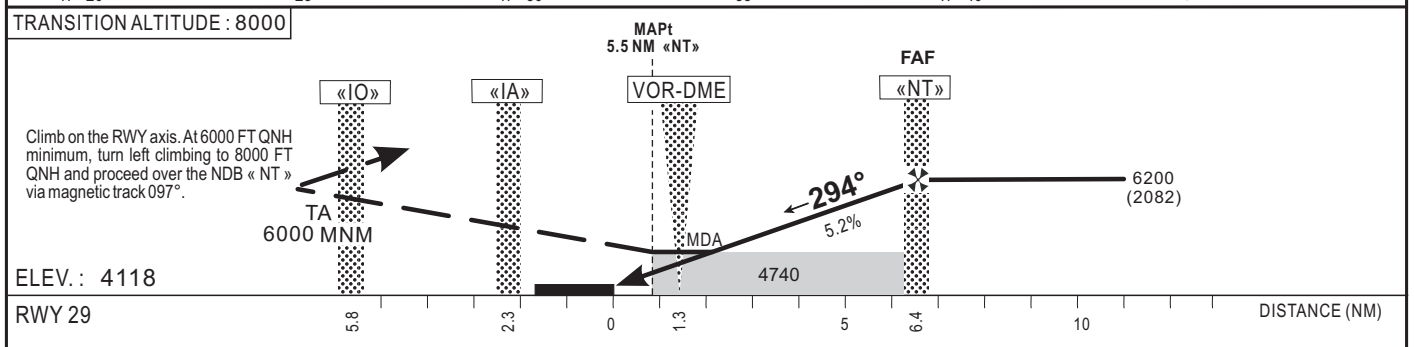
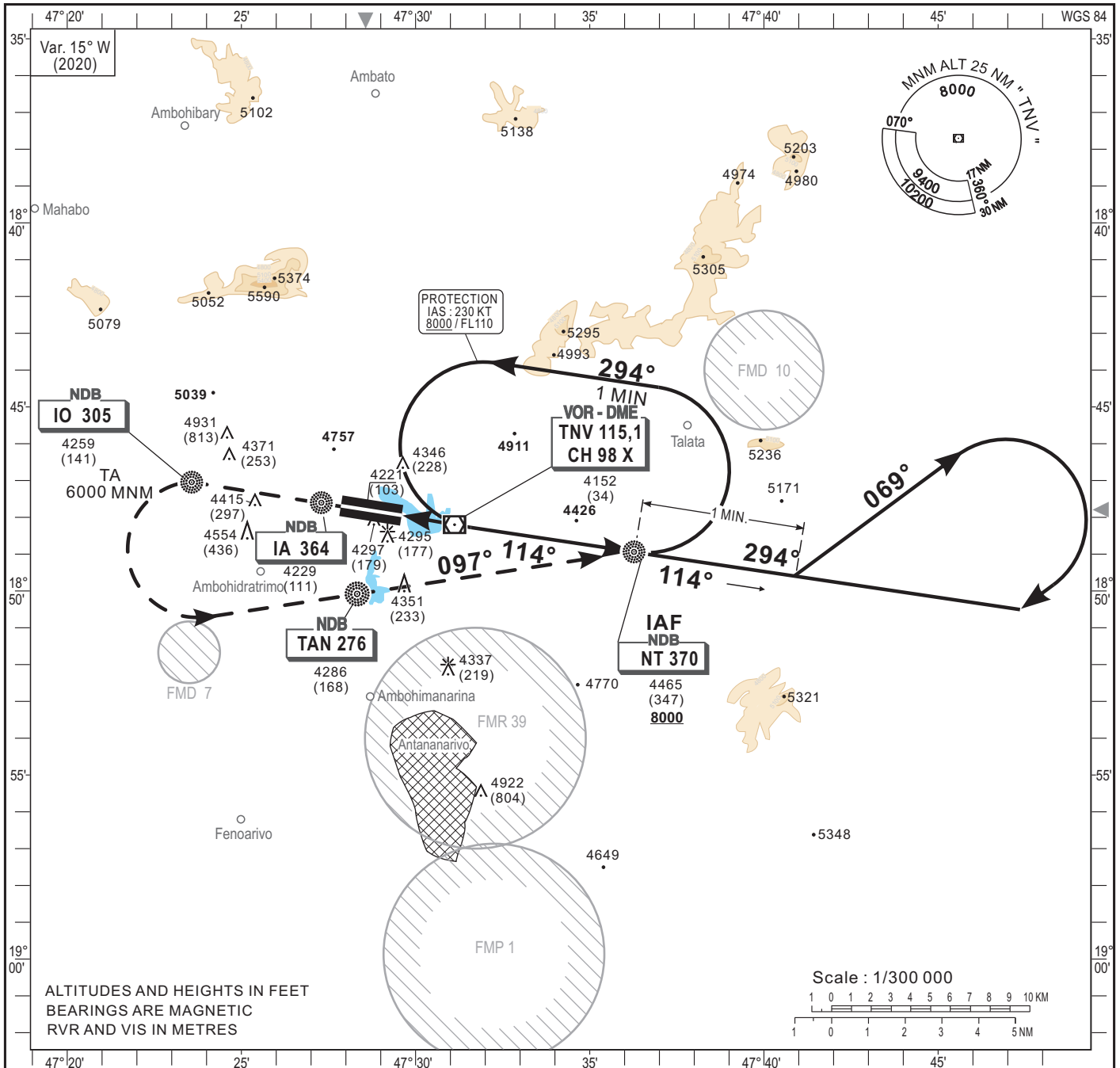
CORRECTIONS : New version.

**INSTRUMENT
APPROACH
CHART-ICAO**

AERODROME ELEV 4196 FT
HEIGHTS RELATED TO THR RWY29 - ELEV 4118 FT

APP 125.7
TWR 120.1

ANTANANARIVO -Ivato (FMMI)
NDB - RWY 29
(ACFT CAT A, B, C, D)



CAT	NDB				CIRCLING (1)				Timing «NT» / MAPt 5.5 NM	
	OCA (OCH)	MDA	MDH	RVR	OCA (OCH)	MDA	MDH	VH		
A	4734 (619)	4740 (620)		1500	5052 (856)	5060 (860)		1500	KT MIN SEC KT MIN SEC	
B				1500				1600		
C				2000				2400		100 3 Min 18 150 2 Min 12
D				2000				3600		110 3 Min 00 160 2 Min 04
				2000	5433 (1237)	5440 (1240)	3600		120 2 Min 45 170 1 Min 56	
									130 2 Min 32 180 1 Min 50	

Notes: (1) At the North of the field - Daytime only.

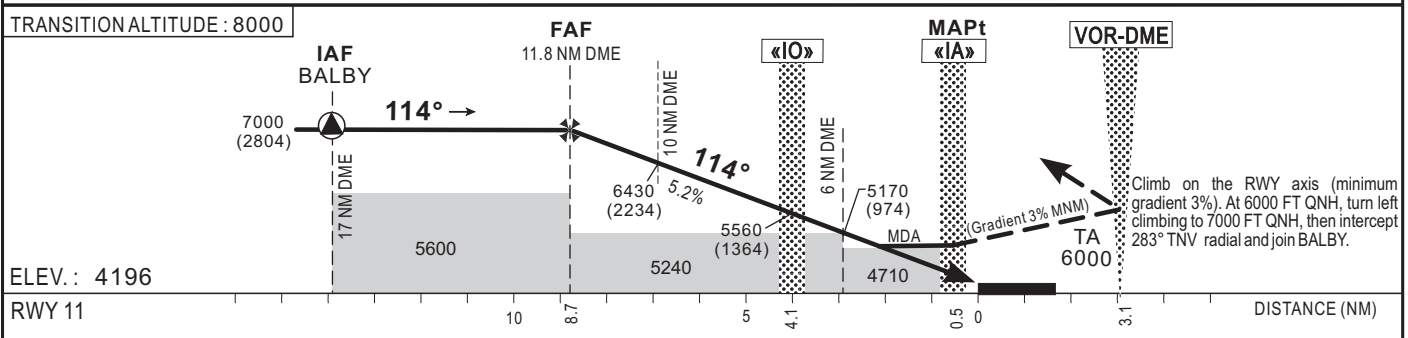
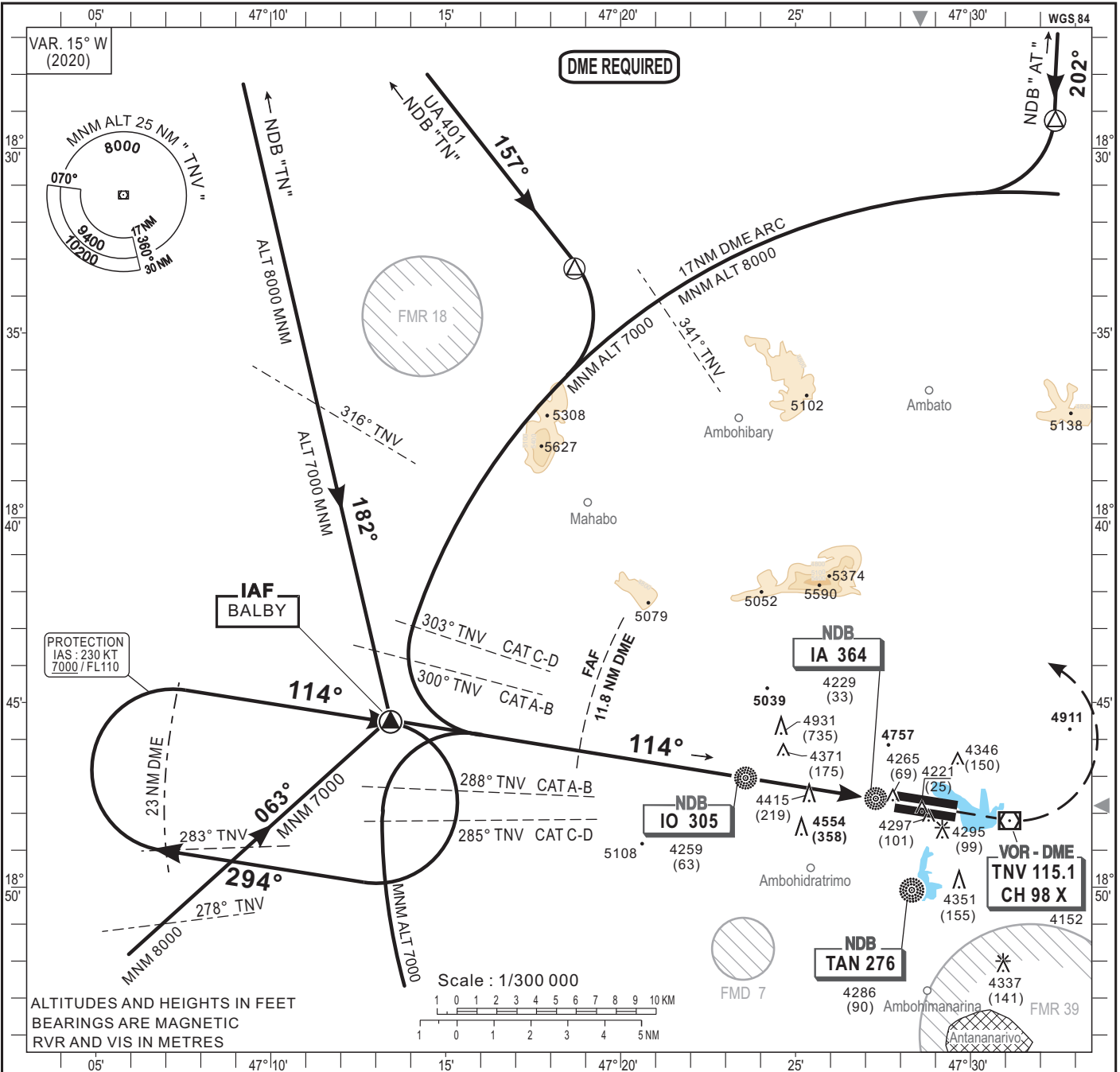
CORRECTIONS: New version.

**INSTRUMENT
APPROACH
CHART-ICAO**

AERODROME ELEV 4196 FT
HEIGHTS RELATED TO THR RWY11 - ELEV 4196 FT

APP 125.7
TWR 120.1

ANTANANARIVO -Ivato (FMMI)
VOR - RWY 11
(ACFT CAT A, B, C, D)



CAT	VOR-DME				CIRCLING (3)				VH	Timing «IO» / THR 4.1 NM
	OCA (OCH)	MDA	MDH	RVR(1) RVR(2)	OCA (OCH)	MDA	MDH			
A				1000 1500	5052 (856)	5060 (860)		1500	KT MIN SEC KT MIN SEC 90 2 Min 44 140 1 Min 45 100 2 Min 28 150 1 Min 38 110 2 Min 14 160 1 Min 32 120 2 Min 03 170 1 Min 27 130 1 Min 54 180 1 Min 22	
B	4708 (512)	4710 (520)		1200 1500	5305 (1109)	5310 (1110)		1600		
C				1200 2000	5433 (1237)	5440 (1240)		2400		
D				1600 2000				3600		

Notes: (1) With approach line
(2) Without approach line
(3) At the North of the field - Daytime only.

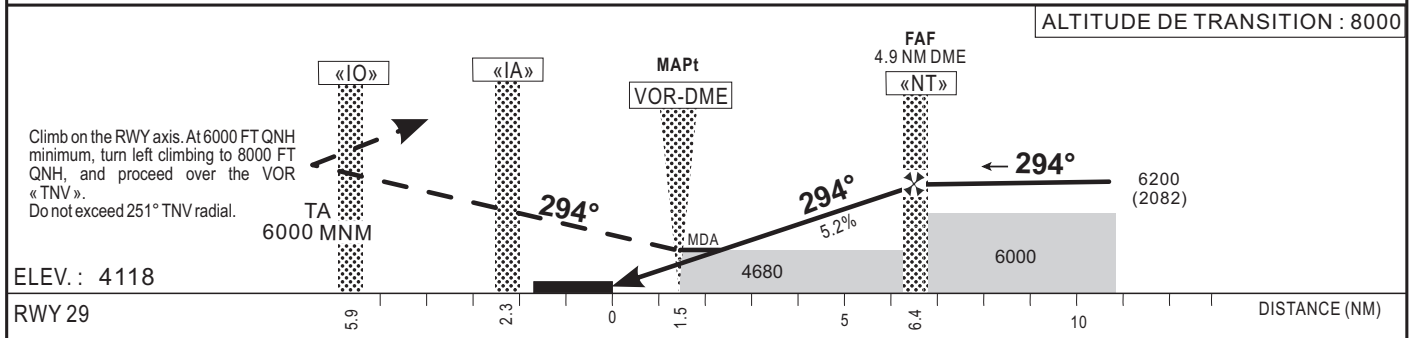
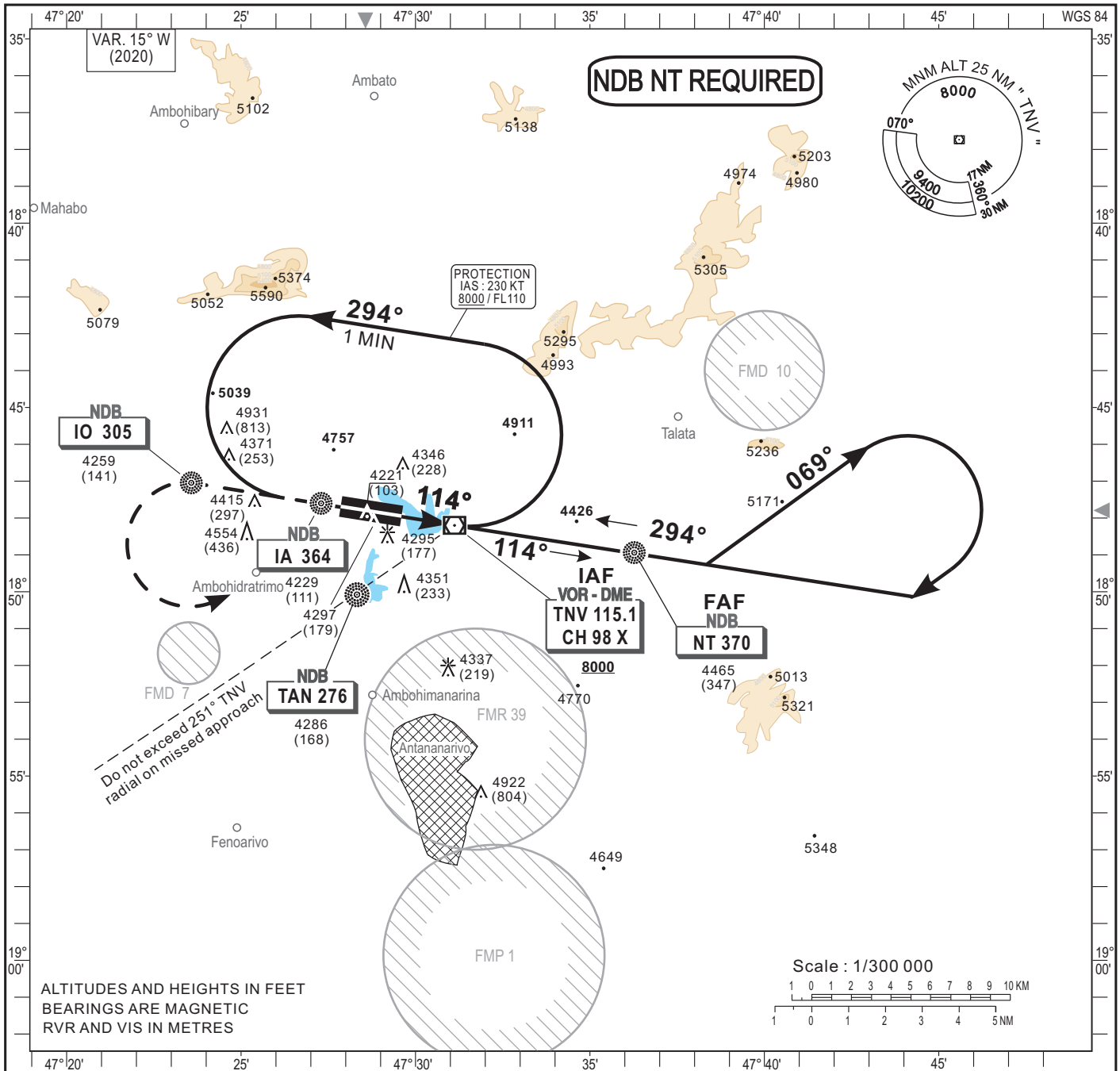
CORRECTIONS : New version.

**INSTRUMENT
APPROACH
CHART-ICAO**

AERODROME ELEV 4196 FT
 HEIGHTS RELATED TO THR RWY29 - ELEV 4118 FT

APP 125.7
 TWR 120.1

ANTANANARIVO -Ivato (FMMI)
 VOR Y - RWY 29
 (ACFT CAT A, B, C, D)



CAT	VOR				CIRCLING (1)				Timing «NT» / THR 6.4 NM
	OCA (OCH)	MDA	MDH	RVR	OCA (OCH)	MDA	MDH	VH	
A	4672 (554)	4680 (560)	1500	5052 (856)	5060 (860)	1500	KT	MIN	SEC
B			1500	5305 (1109)	5310 (1110)	1600			
C			2000	5433 (1237)	5440 (1240)	2400			
D			2000	5433 (1237)	5440 (1240)	3600			

Notes: (1) At the North of the field - Daytime only.

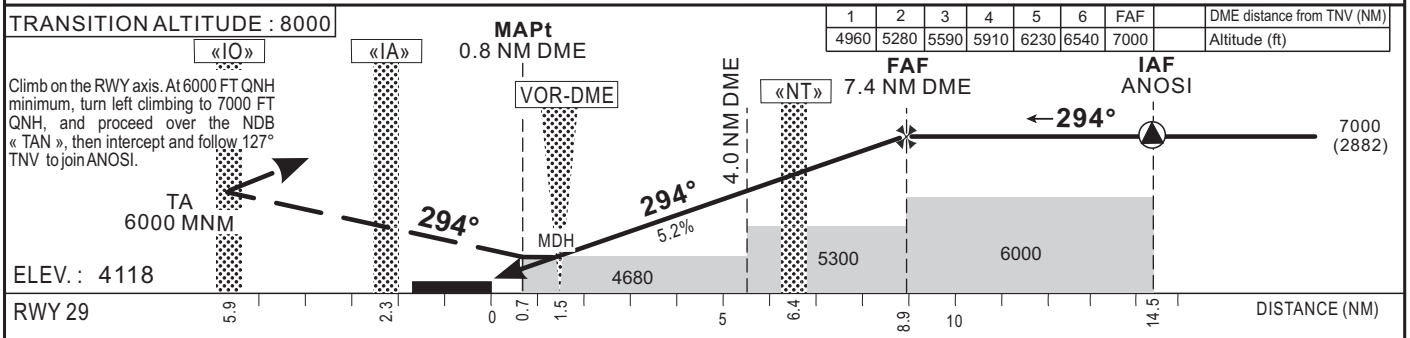
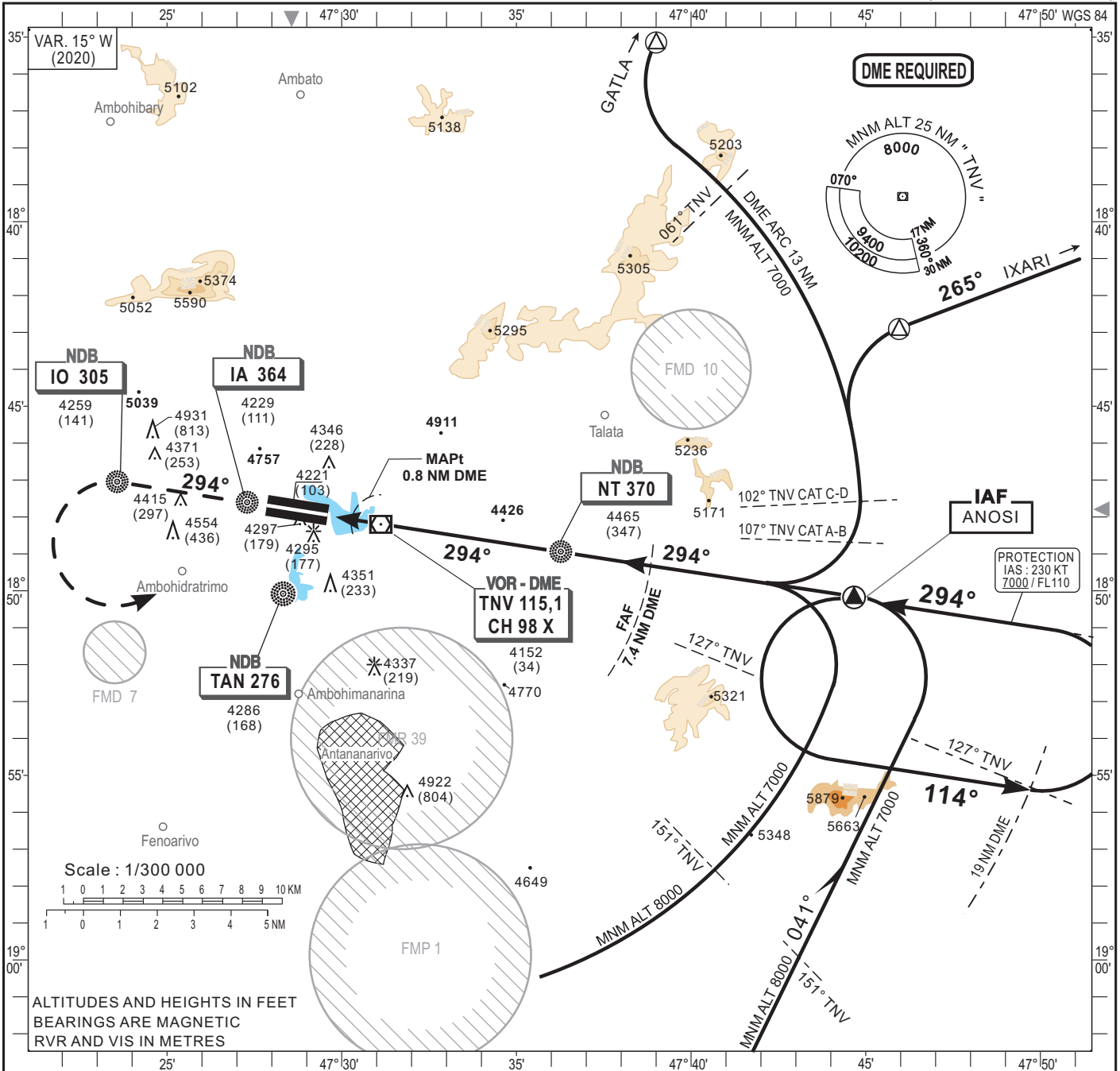
CORRECTIONS : New version.

INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 4196 FT
 HEIGHTS RELATED TO THR RWY29 - ELEV 4118 FT

APP 125.7
 TWR 120.1

ANTANANARIVO - Ivato (FMFI)
 VOR Z - RWY 29
 (ACFT CAT A, B, C, D)

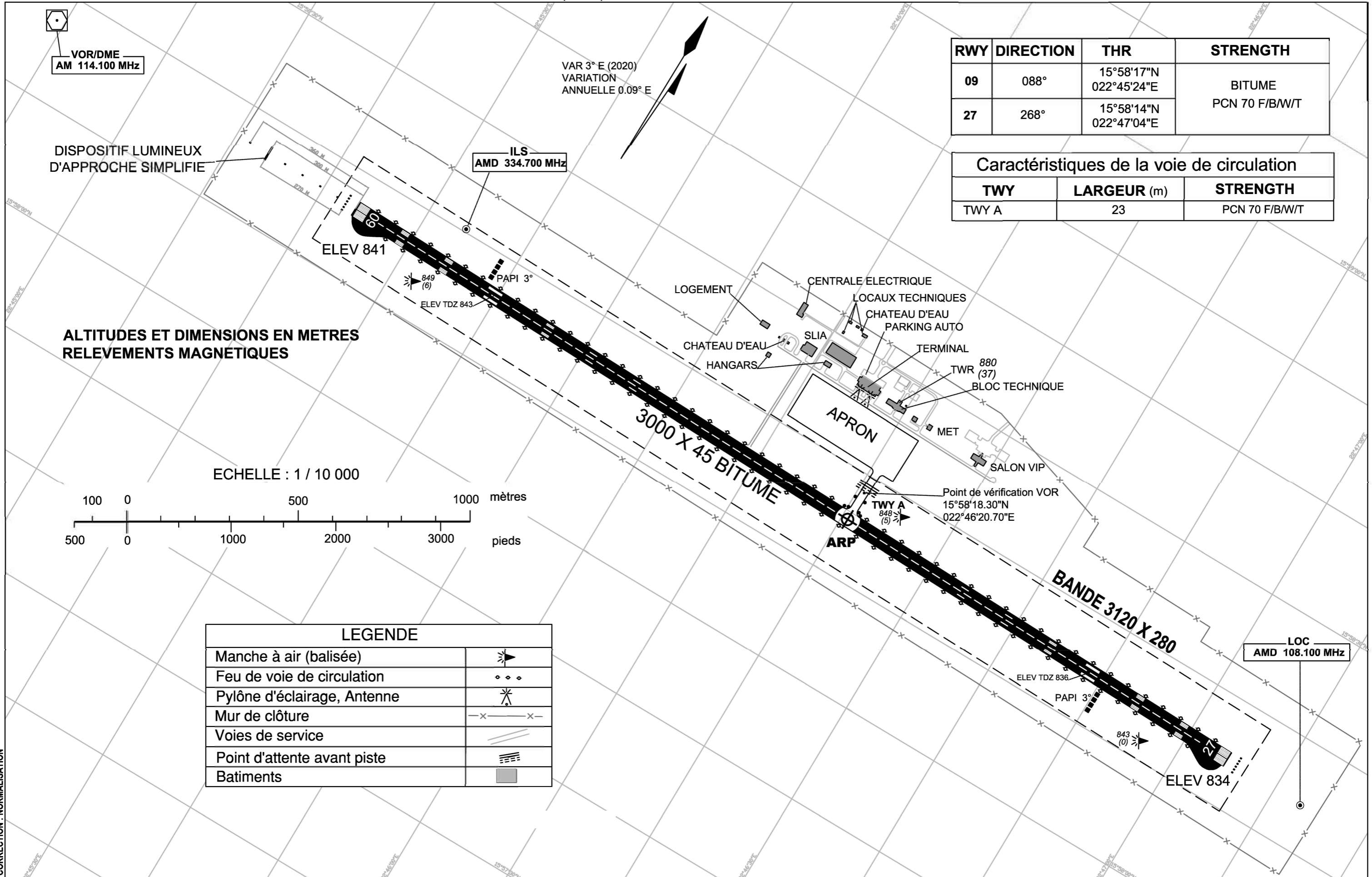


CAT	VOR-DME				CIRCLING (1)				Timing «NT» / THR 6.4 NM
	OCA (OCH)	MDA	MDH	RVR	OCA (OCH)	MDA	MDH	VH	
A				1500	5052 (856)	5060 (860)	1500		KT MIN SEC KT MIN SEC 90 4 Min 16 140 2 Min 45 100 3 Min 50 150 2 Min 34 110 3 Min 29 160 2 Min 24 120 3 Min 12 170 2 Min 16 130 2 Min 57 180 2 Min 08
B	4672 (554)	4680 (560)		1500			1600		
C				1600	5305 (1109)	5310 (1110)	2400		
D				1800	5433 (1237)	5440 (1240)	3600		

Notes: (1) At the North of the field - Daytime only.

CORRECTIONS : New version.

PAGE LAISSÉE INTENTIONNELLEMENT VIDE



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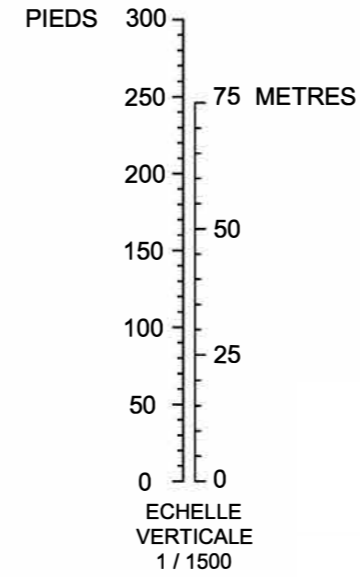


CARTE D'OBSTACLES D'AERODROME -OACI-
TYPE A (APPLICATION DES LIMITES D'EMPLOI DES AVIONS)

AMDJARASS

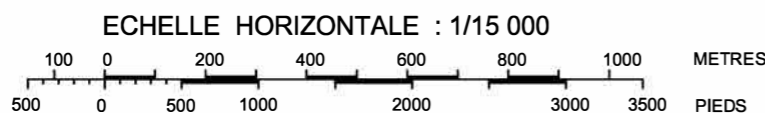
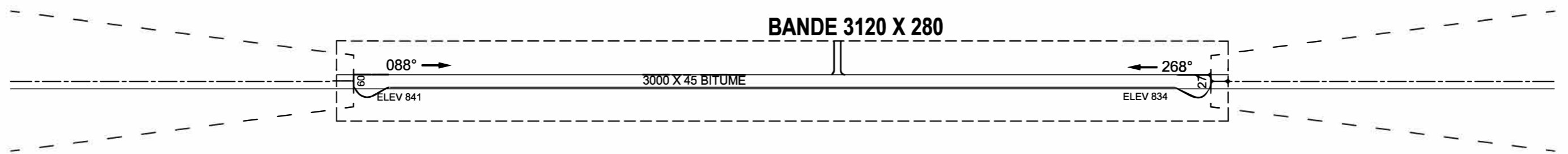
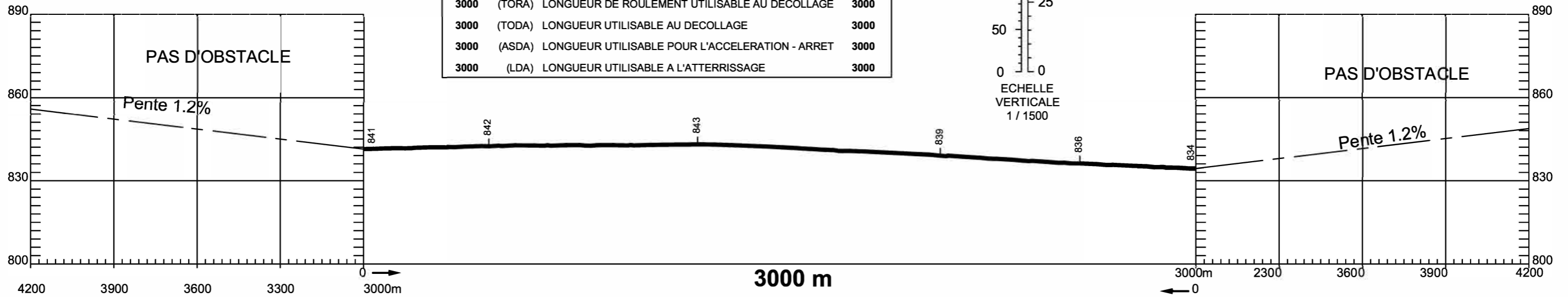
AERODROME OBSTACLE CHART -OACI-
TYPE A (OPERATING LIMITATIONS)

DECLINAISON MAGNETIQUE 3° E (2020)
DIMENSIONS ET ALTITUDES EN METRES



RWY 09 / 27

DISTANCES DECLAREES			
RWY 09			RWY 27
3000	(TORA)	LONGUEUR DE ROULEMENT UTILISABLE AU DECOLLAGE	3000
3000	(TODA)	LONGUEUR UTILISABLE AU DECOLLAGE	3000
3000	(ASDA)	LONGUEUR UTILISABLE POUR L'ACCELERATION - ARRET	3000
3000	(LDA)	LONGUEUR UTILISABLE A L'ATTERRISSAGE	3000



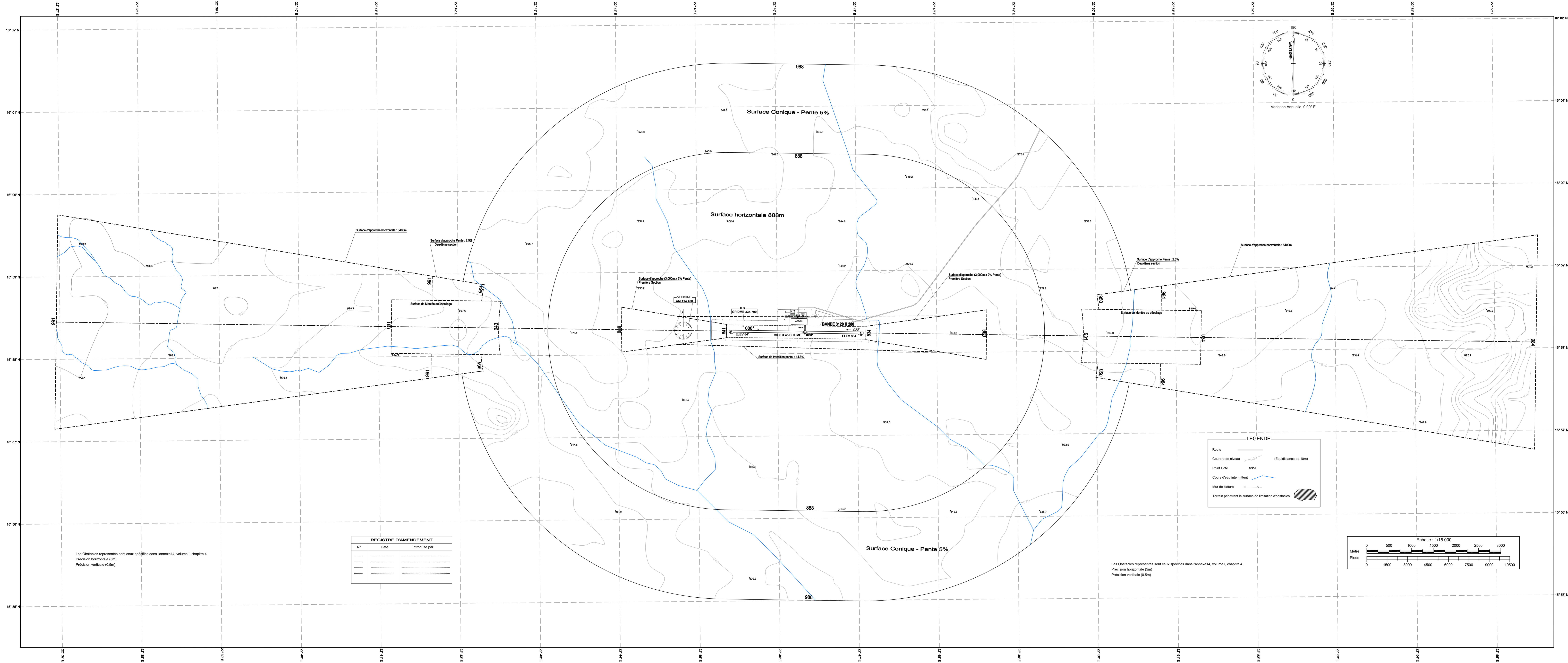
LEGENDE	
PROFIL DE L'AXE	
CONSTRUCTION	
ROUTE	
NUMERO D'IDENTIFICATION	①

REGISTRE D'AMENDEMENT		
N°	DATE	PAR

TOLERANCES CONFORMES AUX PRESCRIPTIONS DE L'OACI
ORDRE DE PRECISION HORIZONTALE 00M VERTICALE 00M

PAGE LAISSÉE INTENTIONNELLEMENT VIDE

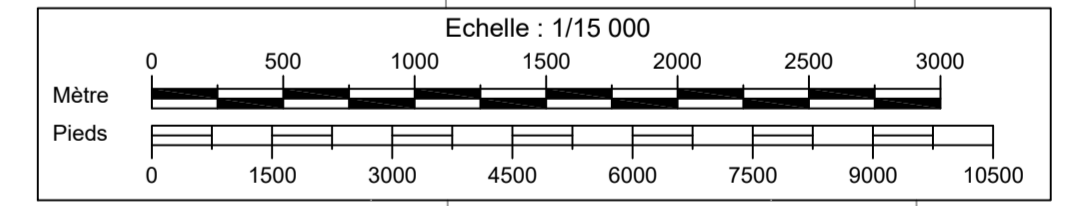
CARTE D'OBSTACLES D'AÉRODROME - OACI TYPE B



REGISTRE D'AMENDEMENT		
N°	Date	Introduit par

LEGENDE

- Rayon
- Courbes de niveau (Ecartement de 10m)
- Point Cote
- Cours d'eau intermittent
- Mur de clôture
- Terrain présentant la surface de limitation d'obstacles



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**CARTE DE STATIONNEMENT
ET D'ACCOSTAGE
D'AERONEF - OACI -**

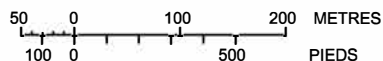
ELEV
AIRE DE TRAFIC
842 m

TWR 118.100

AMDJARASS (FTAA)

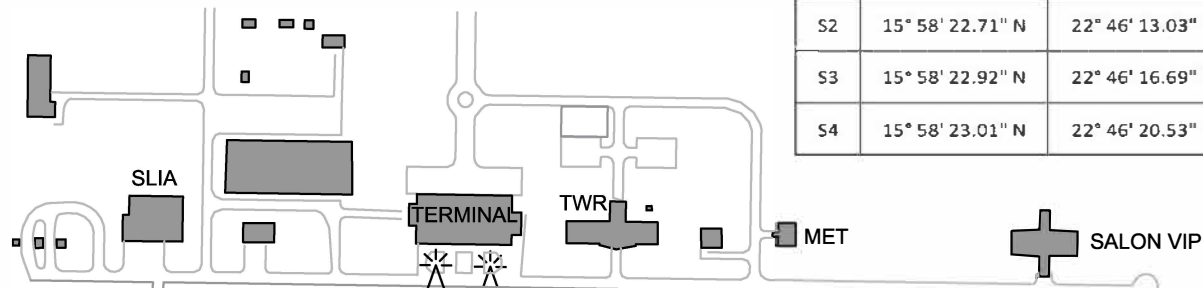
ALTITUDES ET DIMENSIONS EN METRES

ECHELLE : 1 / 5 000

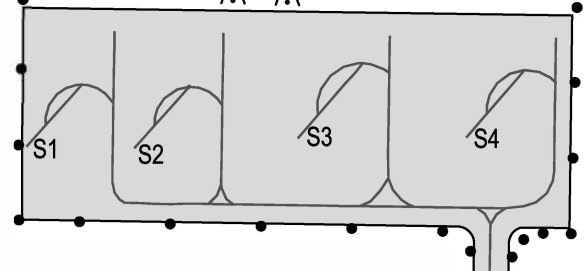


VAR 3° E (2020)
VARIATION
ANNUELLE 0.09° E

COORDONNEES WGS84 DES POSTES DE STATIONNEMENT DES AERONEFS		ALT	STRENGTH
S1	15° 58' 22.81" N 22° 46' 10.69" E	842,01	PCN 70 F/B/W/T
S2	15° 58' 22.71" N 22° 46' 13.03" E	841,64	
S3	15° 58' 22.92" N 22° 46' 16.69" E	841,16	
S4	15° 58' 23.01" N 22° 46' 20.53" E	840,60	



AVIONS	POSTES DE STATIONNEMENT			
	S1	S2	S3	S4
B 747			•	•
DC 10			•	•
DC 8/63 - IL 62			•	•
DC 8/50 - DC 8/62 - A 300 - A 310			•	•
B 707 - B 727 - IL 18			•	•
TRANSHALL - C 130 - SE 210			•	•
B 737 - F 28 - F 27	•	•	•	•
Aviation légère	•	•	•	•



LEGENDE	
Manche à air (balisée)	
Pylône d'éclairage	
Voies de service	
Point d'attente avant piste	
Batiments	
Feux de bord de voies	

Point d'attente avant piste :
15°58'18.36"N
022°46'20.70"E

Point de vérification VOR
15°58'18.30"N
022°46'20.70"E



Caractéristiques de la voie de circulation		
TWY	LARGEUR (m)	STRENGTH
TWY A	23	PCN 70 F/B/W/T

FEUX DE BORD DE VOIE DE CIRCULATION
SUR TOUTES LES VOIES DE CIRCULATION

CORRECTION : NORMALISATION

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