



INTERNATIONAL CIVIL AVIATION ORGANIZATION
Fourth Meeting of the APIRG Communication, Navigation and Surveillance Sub-Group (CNS/SG/4)

(Dakar, Senegal, 24 to 29 July 2011)

Agenda Item 4: Aeronautical Fixed Service (AFS)

ATS/DS circuits implementation and Performances

(Note presented by ASECNA)

Summary

This document provides the status of implementation of the rationalization ATS / DS circuits in ASECNA area. For gaps and shortcomings that still exist in the implementation of the circuits involved, ASECNA offers solutions to overcome them.

1. Introduction

In the framework of the improvement of the aeronautical telecommunications services, ASECNA pursued the implementation of ATS/DS circuits in order to eliminate the shortcomings and deficiencies still existing.

The interconnection between AFISNET and NAFISAT&SADC-2 and the close cooperation between AFISNET members allowed clearing some majority of deficiencies.

However the efforts in a cooperative/proactive approach are to be continued, regarding the deficiencies still affecting the aeronautical telecommunication services.

2. Discussion

➤ *Implementation of ATS/DS circuits*

The table below shows the status of implementation of ATS / DS in ASECNA

It should be noted that of the 130 circuits required plan area ASECNA, 125 circuits were made 96% to improve the quality of service to air navigation

About 30 bilateral circuits have been achieved in order to satisfy ATC requirements Most of the remaining non implemented circuits are in the step of technical discussions between the involved parties (RVA, GCAA,...) and will be implemented very soon;

➤ ***ATS/DS circuits Performances***

The ATS/DS circuits performances for ASECNA indicate a relative good availability. However, shortcomings are recorded from time to time, due to maintenance, coordination procedures or language barrier.

It can be noted that some deficiencies remain and must be cleared out as soon as possible to avoid or increase the risk of non-coordinated flight in the area.

Back up facilities

To ensure the continuity of ATS vocal coordination ASECNA provided his center with INMARSAT phone and with PSTN line.

3. CONCLUSION

The meeting is invited to:

- ❑ note the realization rate for the ATS/DS circuits implemented in ASECNA area (under its full responsibility), which are a question of vital importance for the air navigation service
- ❑ Encourage States/organizations to pursue their efforts to carry out the implementation of the remaining ATS/DS circuits.
- ❑ Recommend the establishment of formal coordination procedures to expedite the restoration of the circuits failures if necessary.

APPENDIX
AFI ATS/DS implementation status in ASECNA aera

COUNTRY	COM CENTER	REQUIRED CIRCUITS		IMPLEMENTED CIRCUITS		NON IMPLEMENTED CIRCUITS	AUTRES CIRCUITS BILATERAUX REALISES		OBSERVATIONS
BENIN	COTONOU	3	ACCRA, LAGOS, LOME	3	100%	-			
BURKINA	OUAGA	6	ABIDJAN ,ACCRA ,BAMAKO, BOBO ,NIAMEY, NIAMTOUGOU	5	84%	NIAMTOUGOU			
	BOBO	4	ABIDJAN ,ACCRA, BAMAKO, OUAGA	4	100%	-			
CAMEROUN	DOUALA	8	BATA, BRAZZA, KANO, LAGOS ,LIBREVILLE, MALABO, NDJAMENA ,GAROUA	8	100%		1	YAOUNDE	
	GAROUA						3	NDJAMENA, DOUALA BRAZZA	
	YAOUNDE						2	BRAZZA, DOUALA	
CENTRAFRIQUE	BANGUI	4	BRAZZA, GBADOLITE, NDJAMENA, DOUALA	3	75%	GBADOLITE			
COMORES	DZAOUZDI	1	TANA	1	100%				
	MORONI	1	TANA	1	100%		1	MAHAJANGA	
CONGO	BRAZZAVILLE	10	ACCRA, BANGUI, DOUALA, KANO, KHARTOUM, KINSHASA, LIBREVILLE, LUANDA, NDJAMENA, SAO TOME	10	100%				
COTE D'IVOIRE	ABIDJAN	7	ACCRA, BAMAKO, BOBO, DAKAR ,NIAMEY, OUAGA, ROBERTS	7	100%		6	LUANDA, COTONOU ,LOME, BISSAU ,NOUAKCHOTT ,YAMOUSSOKRO	
GABON	LIBREVILLE	8	ACCRA, BATA, BRAZZA, DOUALA ,KANO ,LAGOS, MALABO ,SAO TOME	8	100%		2	MWENGUE, PORT GENTIL	
GUINEE EQUAT.	MALABO	5	BATA, DOUALA, LIBREVILLE, SAO-TOME, BRAZZA	5	100%				
	BATA	5	DOUALA, LIBREVILLE, MALABO, SAO-TOME, BRAZZA	5	100%				
GUINEE BISSAU	BISSAU	4	BANJUL, CONAKRY, DAKAR, ROBERTS	4	100%				

COUNTRY	COM CENTER	REQUIRED CIRCUITS		IMPLEMENTED CIRCUITS		NON IMPLEMENTED CIRCUITS	AUTRES CIRCUITS BILATERAUX REALISES		OBSERVATIONS
MADAGASCAR	IVATO	8	BEIRA, DAR ES SALAM, DZAOUZI, JOBURG, PLAISANCE, MORONI, SAINT DENIS, SEYCHELLES	8	100%		2	MAHAJANGA, TOAMASINA	
MALI	BAMAKO	7	ABIDJAN, BOBO, DAKAR, GAO, MOPTI, OUAGA, CONAKRY	7	100%		2	NIAMEY, NOUAKHOTT	
	GAO	3	BAMAKO, MOPTI, NIAMEY	3	100 %				
	MOPTI	2	GAO, BAMAKO	2	100%				
MAURITANIE	NOUAKCHOTT	2	DAKAR, NOUADHIBOU	2	100%		4	BAMAKO, ABIDJAN, NIAMEY, ALGER	
	NOUADHIBOU	3	DAKAR, LAS PALMAS, NOUAKCHOTT, DAKLA	3	100%	DAKLA	2	CASABLANCA	
NIGER	NIAMEY	9	ABIDJAN, ACCRA, ALGER, DAKAR, GAO, KANO, NDJAMENA, OUAGA, TRIPOLI	9	100%		3	BAMAKO, LAGOS, ZINDER	
SENEGAL	DAKAR	15	ABIDJAN, ALGER, BAMAKO, BANJUL, BISSAU, CASA, CONAKRY, FREETOWN, LAS PALMAS, NIAMEY, NOUADHIBOU, NOUAKCHOTT, SAL, RECIFE, ROCHAMBEAU	13	87%	ROCHAMBEAU	1	LUANDA	
TCHAD	NDJAMENA	9	BANGUI, BRAZZA, DOUALA, GAROUA, KANO, KHARTOUM, MAIDUGURI, NIAMEY, TRIPOLI	9	100%		2	ABECHE, SAHR	
TOGO	LOME	3	ACCRA, COTONOU, NIAMTOUGOU	3	100%				
	NIAMTOUGOU	3	ACCRA, LOME, OUAGA	2	67%	OUAGA			

TOTAL

130

125

96%

30