



INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the APIRG Communications, Navigation and Surveillance Sub-group
(Dakar, Senegal, 25-29 July 2011)

Agenda Item 6: Aeronautical Fixed Service (AFS)

Review of the status of implementation of the current aeronautical surveillance plan

(Presented by the Secretariat)

SUMMARY
This working paper presents the CNS/SG with the requirements for aeronautical surveillance as contained in the AFI Air Navigation Plan, to assess the implementation status in accordance with APIRG Decision 16/26.
Action by the meeting is at paragraph 3.
References : [1] – Report of the CNS/SG/3 Meeting (Principal reference) [2] – Report of the CNS/SG/2 Meeting [3] – Report of the APIRG/17 Meeting [4] – Report of the ICAO Special AFI RAN Meeting (2008) (Doc 9930) [5] – Annex 10 to the Convention on International Civil Aviation, Volume 4 <i>Note: References [1], [2], [3] and [4] can be downloaded from: http://www.icao.int.</i>
Related ICAO Strategic Objectives: A and C.

1. INTRODUCTION

1.1. In June 2001, APIRG/13 adopted an initial Aeronautical Surveillance Plan for en-route operations (ACCs), as reflected in the AFI Air Navigation Plan (ICAO Doc 7474).

2. DISCUSSION

2.1 **Appendix** to this working paper shows the AFI ANP provisions for aeronautical surveillance systems.

2.2 The meeting may wish to recall that APIRG/16 Meeting acknowledged the need to include the status of implementation of the AFI surveillance infrastructure in the review of CNS system performance; and accordingly its Decision 16/26 which states as follows:

DECISION 16/26: STATUS OF IMPLEMENTATION OF AFI AERONAUTICAL SURVEILLANCE PLAN FOR EN-ROUTE ACCs

That the status of implementation of the AFI aeronautical surveillance plan for en-route operations be included in the review of CNS system performance.

3. ACTION BY APIRG

- 3.1 Based on the information provided in **Appendix** hereto, the meeting is invited to:
- a) assess the status of implementation of ANP requirements for aeronautical surveillance in accordance with APIRG/16 Decision 16/26; and
 - b) discuss amendment proposals to be made to the ANP provisions (as necessary) for consideration by the APIRG/18 meeting.

— E N D —

APPENDIX

AFI AIR NAVIGATION PLAN

REQUIREMENTS FOR STATES SURVEILLANCE SYSTEMS

State/Location Etat/ Emplacement	AR	ATS unit served/ Organe ATS desservi	PSR	Coverage/ Couverture of/du PSR (NM)	SSR (A/C/S)	Coverage/ Couverture of/du SSR (NM)	ADS- B*	ADS- C	Remarks/ Remarques
1	2	3	4	5	6	7	8	9	10
ALGERIA	AR4								
Alger		Alger ACC			F < - 2003			F < - 2003	MSSR planned/prévu
Annaba		Alger ACC			F < - 2003				
El Bayad		Alger ACC			F < - 2003				
El Oued		Alger ACC			F < - 2003				
Oran		Alger ACC			F < - 2003				
ANGOLA	AR2 AR4								
Luanda		Luanda ACC			F < - 2003			N	MSSR planned/prévu
BOTSWANA	AR4								
Gaborone		Gaborone ACC						N	
CAPE VERDE	AR1								
Sal		Sal ACC						F < - 2004	
CHAD/TCHAD	AR4 AR5								
N = Ndjamena		N = Ndjamen a ACC			N < - 2002			N < - 2002	
CONGO	AR4 AR5								
Brazzaville		Brazzaville ACC						F < - 2003	
CONGO (Dem. Rep. of)	AR4								
Kinshasa		Kinshasa ACC						N	

State/Location Etat/ Emplacement	AR	ATS unit served/ Organe ATS desservi	PSR	Coverage/ Couverture of/du PSR (NM)	SSR (A/C/S)	Coverage/ Couverture of/du SSR (NM)	ADS- B*	ADS- C	Remarks/ Remarques
1	2	3	4	5	6	7	8	9	10
COTE D'IVOIRE Abidjan	AR5	 Abidjan ACC						N	
EGYPT Cairo 300715N 312354E 300621N 312439E 300621N 312439E	AR3	Cairo ACC			MI (A/C)	250		I	
Hurghada 270319N 335025E	AR3	Cairo ACC			MI (A/C)	250			
Mersa Matruh 311810N 270831E		Cairo ACC			MI (A/C)	250			
Aswan 235830N 324636E		Cairo ACC			MI (A/C)	250			
Asyut 270332N 310108E		Cairo ACC			MI (A/C)	2550			
ERITREA Asmara	AR3	Asmara ACC						N	
ETHIOPIA Addis Ababa	AR3	 Addis Ababa ACC						F < - 2002	
GHANA Accra	AR5	 Accra ACC			I(A/C)	250		N	
Tamale		Accra ACC			I(A/C)	250			
GUINEA/ LIBERIA/ SIERRA LEONE Robertsfield	AR5	 Roberts FIC/ACC						N	
KENYA Nairobi	AR3	 Nairobi ACC			I(A/C)	200		N	
LIBYAN ARAB JAMAHIRIYA	AR3								

State/Location Etat/ Emplacement	AR	ATS unit served/ Organe ATS desservi	PSR	Coverage/ Couverture of/du PSR (NM)	SSR (A/C/S)	Coverage/ Couverture of/du SSR (NM)	ADS- B*	ADS- C	Remarks/ Remarques
1	2	3	4	5	6	7	8	9	10
SEYCHELLES Seychelles	AR3	 Seychelles ACC						N	
SOMALIA Mogadishu	AR3	 Mogadishu FIC						N	
SOUTH AFRICA Cape Town	AR2 AR4	 Cape Town ACC			I(A/C)			N	
Johannesburg		Johannesbur g ACC			I(A/C)			I	
		Johannesbur g Oceanic							
SPAIN (Canarias) Gran Canaria	AR1	 Canarias ACC			I(A/C)	200		I	5 radars on multi radar system
Lanzarote		Canarias ACC			I(A/C)	220		N	
Las Palmas		Canarias ACC			I(A/C)	150			
La Palma		Canarias ACC			I(A/C)	170*			*Between/Entr e 0050-2100
Tenerife		Canarias ACC			I(A/C)	120		N	
SUDAN Khartoum	AR3	 Khartoum ACC						N	
TUNISIA Tunis PSR: 365135.417N 0101428.9293E Sidi Zid: 362829.0381N 0101929.0568E	AR4	 Tunis ACC			MI (A/C)	250		N	
Akouda 035 53 37N 010 33 46E		Tunis ACC			MI (A/C)	250			

State/Location Etat/ Emplacement	AR	ATS unit served/ Organe ATS desservi	PSR	Coverage/ Couverture of/du PSR (NM)	SSR (A/C/S)	Coverage/ Couverture of/du SSR (NM)	ADS- B*	ADS- C	Remarks/ Remarques
1	2	3	4	5	6	7	8	9	10
UGANDA Entebbe	AR3	 Entebbe ACC						N	
UNITED REP. OF TANZANIA Dar Es Salaam	AR3	 Dar Es Salaam ACC						N	
ZAMBIA Lusaka	AR4	 Lusaka ACC						N	
ZIMBABWE Harare	AR4	 Harare ACC			I(A/C)			N	