

INTERNATIONAL CIVIL
AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE

ORGANIZACIÓN DE AVIACIÓN
CIVIL INTERNACIONAL
OFICINA AFRICA OCCIDENTAL Y CENTRAL



ORGANISATION DE L'AVIATION
CIVILE INTERNATIONALE
BUREAU AFRIQUE OCCIDENTALE ET CENTRALE

МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ
ГРАЖДАНСКОЙ АВИАЦИИ
БЮРО ЗАПАДНОЙ И ЦЕНТРАЛЬНОЙ АФРИКИ

15, BOULEVARD DE LA RÉPUBLIQUE
BOÎTE POSTALE 2356
DAKAR, SÉNÉGAL

T 17/6.11(C) - 0209

22 March 2007

Subject : Second Meeting of the APIRG Communications, navigation and surveillance Sub-group (CNS/SG/2) (Dakar, 22 – 25 May 2007)

Action required: Kindly reply to paragraph 6 hereunder by 20 April 2007.

Madam/Sir,

I have the honour to inform you that the AFI Planning and Implementation Regional Group (APIRG) Communications, Navigation and Surveillance Sub-group (CNS/SG) will hold its second meeting in Dakar from 22 to 25 May 2007, and hereby extend an invitation to your Administration to participate.

The tentative Agenda and Explanatory Notes (WP/1), CNS Sub-group work programme and composition, and Information Bulletin (IP/1) for the meeting are as per Appendices A, B and C respectively hereto. The meeting will be conducted in English and French languages and documentation will be issued in these languages.

Those Administrations intending to present working papers should ensure that these papers reach the Secretariat not later than 20 April 2007 and should be, where possible, in both English and French. Papers received after that date will be distributed in the language in which they are received.

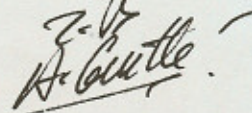
The CNS/SG/2 meeting will, *inter alia*, review:

- the status of implementation of AFI Air Navigation Plan requirements for aeronautical telecommunications and the performance of the telecommunication infrastructure;
- the ways and means of eliminating the identified deficiencies, and update the list of deficiencies affecting aeronautical telecommunications in view of follow up action to be taken by the States and Organizations concerned; and
- the regional implementation strategies for communications, navigation and surveillance systems based on operational requirements and available technologies, and accordingly develop guidance material for consideration by States and air navigation service providers when planning and implementing their air navigation system components.

You will recall that APIRG, the Air Navigation Commission and the Council have emphasized the importance of members playing an active role by attending all meetings as well as contributing by way of working papers.

Kindly advise me of your participation in the CNS/SG/2 meeting as soon as possible but in any case no later than 20 April 2007 giving the names and functions of participants.

Accept Madam/Sir, the assurances of my highest consideration.



Amadou Ousmane Guitteye,
Regional Director for
Western and Central African Office

Attachments:



INTERNATIONAL CIVIL AVIATION ORGANIZATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SUB-GROUP
SECOND MEETING
(CNS/SG/2)

(Dakar, Senegal 22 – 25 May 2007)

DRAFT AGENDA

- Agenda Item 1:** Election of Chairman and Vice-Chairman of the Sub-Group
- Agenda Item 2:** Terms of reference, work programme and composition of the Communications, Navigation and Surveillance Sub-group as defined by APIRG/15
- Agenda Item 3:** Follow up of APIRG/15 and CNS/SG/1 Conclusions and Decisions
- Agenda Item 4:** Communication Systems
- Agenda Item 4.1:** Aeronautical Fixed Service (AFS)
- Review of the implementation and performance of the Aeronautical fixed telecommunication network (AFTN) performance in the AFI Region, identification of deficiencies and remedial action for their elimination
 - Use of Public Internet for aeronautical purposes
 - Review of the implementation and performance of the Air Traffic Services Direct Speech (ATS/DS) network performance in the AFI Region, identification of deficiencies and remedial action for their elimination
 - ATN planning and implementation issues
- Agenda Item 4.2:** Aeronautical Mobile Service (AMS)
- Review of the implementation and performance of the Aeronautical Mobile Service performance in the AFI Region, identification of deficiencies and remedial action for their elimination
 - Extension of VHF Radio coverage in the AFI Region
- Agenda Item 5:** Aeronautical Radio Navigation service (ARNS)
- Review of the implementation and performance of the Aeronautical Radio Navigation Service performance in the AFI Region, identification of deficiencies and remedial action for their elimination

- GNSS planning and implementation issues

Agenda Item 6: Aeronautical Surveillance

- Review of the implementation of the Aeronautical Surveillance plan in the AFI Region
- ADS-B planning and implementation issues

Agenda Item 7: Review of Communications, Navigation and Surveillance Systems Implementation Strategies

Agenda Item 8: Review of ICAO position and preparations for the ITU WRC - 2007

Agenda Item 9: Future work programme and composition of the CNS/SG

Agenda Item 10: Any other business





INTERNATIONAL CIVIL AVIATION ORGANIZATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SUB-GROUP
SECOND MEETING
(CNS/SG/2)

(Dakar, Senegal 22 – 25 May 2007)

DRAFT AGENDA EXPLANATORY NOTES

Agenda Item 1: Election of Chairperson and Vice-Chairperson of the Sub-Group

Under this agenda item, the meeting will elect its chairperson and vice chair-person.

Agenda Item 2 : Review of the terms of reference, work programme and composition of the Communications Sub-group

Under this Agenda Item, the CNS/SG will review its mandate and work programme assigned to it by APIRG/15, and propose suggestions to APIRG/16, if required.

Agenda Item 3 : Follow up of APIRG/15 and CNS/SG/1 Conclusions and Decisions

Under this Agenda Item, the meeting will analyze implementation of APIRG/15 and CNS/SG/1 Conclusions and Decisions and its report to APIRG/16.

Agenda Item 4 : Communication Systems

Agenda Item 4.1 : Aeronautical Fixed Service

Under this Agenda Item, the meeting will review the implementation status and the performance of the AFTN and ATS/DS networks in the AFI Region, and propose remedial actions for the elimination of deficiencies in these fields. It will assess progress made in the development and interconnection of VSAT networks. In addition, ICAO policy on the use of the public Internet for aeronautical purposes will be discussed.

The meeting will also discuss issues related to the introduction of ATN applications.

Agenda Item 4.2 : Aeronautical Mobile Service

Under this Agenda Item, the meeting will review the implementation status and the performance of the aeronautical mobile service in the AFI Region, and propose remedial actions for the elimination of deficiencies in this field. The meeting will also review VHF radio coverage extension projects in the AFI Region.

Agenda Item 5 : Aeronautical Radio Navigation Service

Under this Agenda Item, the meeting will review the implementation status and the performance of the aeronautical radio navigation service in the AFI Region, and propose remedial actions for the elimination of deficiencies in this field. /u

The meeting will also discuss issues related to the introduction of GNSS operations.

Agenda Item 6: Surveillance

Under this Agenda Item, the meeting will review the status of implementation of the current AFI aeronautical surveillance plan (cf. Doc 7474, AFI FASID, Tables 4A and 4B).

The meeting will also discuss issues related to the introduction of automatic dependent surveillance – broadcast (ADS-B) in the AFI Region.

Agenda Item 7: Review of Communications, Navigation and Surveillance Systems Implementation Strategies

Under this Agenda Item, the meeting will review the regional implementation strategies for aeronautical communications, navigation and surveillance based on operational requirements and available technologies, and accordingly develop guidance material for consideration by States and air navigation service providers when planning and implementing air navigation system components.


Agenda Item 8 : Review of the ICAO position and preparations for the ITU WRC-2007

Under this Agenda Item, the meeting will review the updated ICAO position for the ITU WRC-2007. The meeting will also discuss actions underway to obtain effective support for ICAO position from the States.

Agenda Item 9 : Future work programme and composition of the CNS Sub-group

Under this Agenda Item, the work programme and composition of the CNS Sub-group will be updated by the meeting.

Agenda Item 10: Any other business

Under this Agenda Item, the Sub-group will consider other issues of interest (if any) not included in the previous Agenda Items. 

TERMS OF REFERENCE, WORK PROGRAMME AND COMPOSITION OF THE APIRG COMMUNICATIONS, NAVIGATION AND SURVEILLANCE (CNS) SUB- GROUP

1. Terms of reference

- a) Ensure the continuing and coherent development of the AFI Regional Air Navigation Plan in the fields of aeronautical communications, navigation and surveillance (CNS), including the development of CNS elements of the AFI CNS/ATM Implementation Plan in the light of new developments, in harmony with the Global Air Navigation Plan for CNS/ATM Systems and the plans for adjacent regions;
- b) Identify, review and monitor deficiencies that impede or affect the provision of efficient aeronautical telecommunications and recommend appropriate corrective action;
- c) Prepare, as necessary, CNS/ATM cost/benefit analyses for the implementation options of C, N and S elements; and
- d) Study, as necessary, institutional arrangements for the implementation of C, N and S systems in the AFI Region.

2. Work programme

Item	Task description	Priority	Target date
1	Analyze, review and monitor the implementation and operation of the aeronautical fixed service (AFTN, ATS/DS), mobile service (AMS) and radio navigation service (ARNS), identify deficiencies affecting aeronautical telecommunications and propose measures for their elimination, as required.	A	Continuing
2	Follow-up the integration/interoperability of VSAT networks in the AFI Region	A	Continuing
3	Follow up and monitor the implementation of VHF coverage in the AFI region in accordance with AFI/7 Rec. 5/12.	A	APIRG/16
4	Analyze and review the report of the ATN Planning Task Force on the transition from the AFTN to the ATN.	A	APIRG/16
5	Follow-up the upgrading of the transmission speed and the implementation of bit-oriented protocols for main AFTN circuits.	A	APIRG/16
6	Coordinate and follow-up the ICAO position for the ITU-WRC meetings.	A	Continuing
7	Continue, in co-ordination with the ATM Sub-group, the evolutionary development of the AFI CNS/ATM Systems Implementation Plan (AFI/7 Concl. 13/1).	A	Continuing

Item	Task description	Priority	Target date
8	In co-ordination with the ATM Sub-group, develop, as necessary, comprehensive business cases for competing CNS/ATM elements implementation options for the routing areas.	B	Continuing
9	Co-ordinate plans developed by States, international organizations, airlines and industry for the implementation of the regional CNS/ATM systems implementation plan.	B	Continuing
10	Update on a regular basis, Chapter 2 and the tables of Part. II of the Global Plan (Doc 9750).	B	Continuing
11	Review work being done by MIDANPIRG on the Egyptian initiative for a multi-mission satellite based system dedicated to CNS/ATM services and provide advice thereon.	B	APIRG/16
12	Monitor CNS/ATM systems research and development, trials and demonstrations within the AFI Region and information from other regions.	B	Continuing
13	Give further consideration, as necessary, to the concept of multinational ICAO AFI air navigation facility/service addressed in the AFI/7 Report under Agenda Item 14 (AFI/7, Conclusion 10/6c).	C	Continuing
14	Maintain current the database on CNS elements of CNS/ATM planning and implementation in the AFI Region.	B	Continuing
15	Continue the development of the AFI Aeronautical Surveillance Plan, and monitor its implementation	A	APIRG/16

Priority:

- A: High priority tasks on which work should be speeded up;
- B: Medium priority tasks, on which work should be undertaken as soon as possible, but without detriment to priority A tasks; and
- C: Lesser priority tasks, on which work should be undertaken as time and resources permit, but without detriment to priority A and B tasks.

3. Composition:

Algeria, Angola, Cameroon, Congo, Côte d'Ivoire, D.R. of Congo, Egypt, Eritrea, Ethiopia, Gambia, Ghana, Guinea, Kenya, Malawi, Mauritius, Morocco, Niger, Nigeria, Senegal, South Africa, Spain, Sudan, Tanzania, Tunisia, Zambia, ACAC, ASECNA, IATA, and IFALPA.

INTERNATIONAL CIVIL AVIATION ORGANIZATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SUB-GROUP
(CNS/SG) SECOND MEETING (CNS/SG/2)
(Dakar, 22 – 25 May 2007)

INFORMATION BULLETIN

1. Venue of the Meeting

The Second Meeting of the Communications, navigation and surveillance Sub-group (CNS/SG) will be held in the conference room of the ICAO Western and Central African Office (WACAF) at 15, Boulevard de la République, Dakar. Tel.: +221 839 9393; FAX.: +221 823 6926; e-mail: icaodkr@icao.sn.

2. Languages

The Meeting will be conducted in English and French.

3. Opening Session

The opening Session of the Meeting will take place at 0900 hours on Tuesday 22 May 2007 in the ICAO WACAF conference room, Dakar, where subsequent sessions will also be held.

4. Registration

The registration of participants will take place at the site of the meeting on Tuesday 22 May 2007 from 0800 hours to 0900 hours.

5. Officers and Secretariat

The secretary of the meeting is Mr. P. Zo'o – Minto'o, Regional Officer, CNS, ICAO Dakar. He will be assisted by Mrs. M.A. Obeng, Regional Officers, CNS, ICAO Nairobi.

6. Weather and Clothing

Average temperature in Dakar in May is 25° to 35° C. Normal light clothing is advisable during the meeting period.

7. Passport and visa requirements

Entry visa for temporary visitors to Senegal may be obtained from Senegalese Embassy or Consulate in their country or from a French Embassy where there is no Senegalese diplomatic representation. Visas are not required for Nations from ECOWAS States. Special arrangements can be made for issuance of visas on arrival for those participants not able to obtain necessary visas in their country. Prior notification of at least 15 days giving names, date of birth, passport number and

expiry date should be sent to ICAO, regional Office, Dakar, 15 Boulevard de la République; Tel.: Dakar. Tel.: +221 839 9393; FAX.: +221 823 6926; e-mail: icaodkr@icao.sn.

8. **Banks**

Banks located not far from the ICAO Regional Office are opened from 0800 hours to 1545 hours from Monday to Friday.

9. **Hotels**

A list of recommended hotels is attached. ↴

HOTEL LIST / LISTE DES HOTELS

Rate/Prix (FCFA)

Name/Nom	Address/Adresse / ☎	Fax / E-Mail	Single	Double
* Al Afifa	46 Rue Jules FERRY B.P. 3474 ☎ 889.90.90	823 88 39 gmbafifa@sentoo.sn PD : 3 300	33 900	37 200
Al Baraka	35, Rue El Hadj A. K. Bourgi, B.P. 578 ☎ 822 55 32	821 75 41	24.100	29.700
Atlantic/Ocean	Yoff Route de l'Aéroport (à 1 km) ☎ 820 00 77 820 00 47	Climatisé +TV☎ Climatisé ☎	28.000 25.000 17.000 17.000 15.000	32.000 27.000 21.000 19.000 17.000
Faidherbe	Avenue Faidherbe x Raffanel B.P. 3197 Dakar ☎ 889 17 50 -	889 17 49 Climatisé+TV☎ faidherbe@sentoo.sn PD: 11.700	33.200	39.600
Farid	51, Rue VINCENS B.P. 1514 ☎ 821 61 27	821 08 94 PD : 2 500	25.100	28.200
* Ganale	38, Rue Amadou A. NDOYE ☎ 821 55 70	822 34 30 ganale@sentoo .sn	26.000	32.000
* Indépendance	Place de l'Indépendance X Av.Pompidou ☎ 823 10 19 823 10 50	821 11 17 hotelhi@sentoo.sn	29.600	34.200
Lagon 2	Route de la Corniche-Est ☎ 889 25 25 - 82360 31	823.77.27 lagon1@sentoo.sn	51.000	57.200
Le Méridien Président**	Pointe des Almadies - BP8181 Dakar Yoff ☎ (221)869.69.49 - 869.69.29	(221)869.69.99 resa.meridien@sentoo.sn PD compris	79.000	90.000
* Miramar	25-27, Rue Félix FAURE ☎ 823 20 97 (near/près UNESCO)	823 35 05 PD compris	24 000	30.000
Nina	Rue du Dr. Theze X Rue A.a. Ndoye ☎ 889 01 20	821 41 81 PD : 3 000	22.600	28.000
Novotel**	Avenue Abdoulaye FADIGA B.P. 2073 ☎ 849.61.61	823 89 29 Vue/ville Vue/mer novotel@sentoo.sn	50.000 54 000	50.000 54.000
Oceanic	Rue de Thann (Marché Kermel) ☎ 822 20 44 - 822 17 18	821 52 28	21.600	25.800
* Plateau	62, Rue Jules FERRY B.P. 2906 ☎ 823 44 20 823 15 26 823 47 80	822 50 24	20.000	23.000
Saint Louis Sun	68, Rue Félix FAURE ☎ 822 25 70	822 46 51	23.500	29.500
Savanna****	Pointe Bernard Petite Corniche BP 6096 Dakar ☎ 849 42 42	849 42 43/ 823 85 86 hotel@savanna.sn	57.200	61.100

