

International Civil Aviation Organization Organisation de l'aviation civile internationale Organización de Aviación Civil Internacional Международная организация гражданской авиации منظمة الطيران المدني الدولي

国际民用航空组织

Bureau Afrique Occidentale et Centrale / Western and Central African Office

T 17/6.11(C) - 0445

30 May 2011

Subject:

Fourth Meeting of the APIRG Communications, Navigation and Surveillance Subgroup (CNS/SG/4) (Dakar, Senegal, 25-29 July 2011)

Action required: Kindly reply to paragraph 6 by 30 June 2011

Sir/Madam,

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 fourth meeting (CNS/SG/4) in Dakar, Senegal, from 25 to 29 July 2011. An invitation is hereby extended to your Administration/Organization to attend.

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

Administrations/Organizations intending to present working papers should ensure that the papers reach the Secretariat not later than 30 June 2011 and this should be, where possible, in both English and French languages. Papers received after this date will be distributed in the language in which they are received.

The CNS/SG/4 meeting will, inter alia, review:

- a) the status of implementation of AFI Air Navigation Plan requirements for aeronautical telecommunications and the performance of the telecommunications 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;
- 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; and

.... /2

d) the outcome of the 37th Session of the ICAO Assembly and follow-up action to be taken, as well as CNS issues included in the Agenda of the Twelfth Air Navigation Conference (AN/Conf/12) scheduled for 2012.

You will recall that the 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.

Please note that, in order to enhance coordination between the CNS/SG and the ATS/AIS/SAR SG, the latter will also be convened in the same week and at an adjacent venue. This is intended to permit ongoing coordination during the sessions of the two meetings, which are to hold at least one joint session. Details regarding this arrangement will be communicated on the day of the meeting.

Kindly advise this Office of your participation in the CNS/SG/4 meeting as soon as possible but in any case not later than 30 June 2011, giving the names and titles of participants.

Please accept, Sir/Madam, the assurances of my highest consideration.

M.S. Jallow Regional Director

Attachments: Appendix A: Draft Agenda

Appendix B: Draft Agenda Explanatory Notes Appendix C: CNS/SG - Terms of Reference

Appendix D: Information Bulletin Appendix E: Registration Form

Cc: ICAORD, ESAF

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG) COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SUB-GROUP FOURTH MEETING (CNS/SG/4)

(Dakar, Senegal, 25-29 July 2011)

DRAFT AGENDA

Agenda Item 1:	Election of Chairman and	Vice-Chairman of t	he Sub-Group
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Agenda Item 2: Terms of reference, work programme and composition of the Communications, Navigation and Surveillance Sub-group as defined by APIRG/17

Agenda Item 3: Follow up of APIRG/17 and CNS/SG/3 Conclusions and Decisions

Agenda Item 4: Aeronautical Fixed Service (AFS)

- Review of the implementation and performance of the Aeronautical Fixed Telecommunication Network (AFTN) and the Air Traffic Services Direct Speech (ATS/DS) Network in the AFI Region, identification of deficiencies and remedial action for their elimination
- Review of the report of the first meeting of AFI VSAT managers
- Review of the report of the first meeting of the AFI AMHS Implementation Task Force
- Planning and implementation guidelines

Agenda Item 5: Aeronautical Mobile Service (AMS)

- Review of the implementation and performance of the Aeronautical Mobile Service in the AFI Region, identification of deficiencies and remedial action for their elimination
- Extension of VHF Radio coverage in the AFI Region Related issues
- Planning and implementation guidelines

Agenda Item 6: Aeronautical radio navigation service (ARNS)

- Review of the implementation and performance of the Aeronautical radio navigation service in the AFI Region, identification of deficiencies and remedial action for their elimination
- GNSS implementation: Results of AFI SBAS Cost-Benefit Analysis
- Planning and implementation guidelines

Agenda Item 7: Aeronautical Surveillance

- Review of the status of implementation of the current aeronautical surveillance plan
- Review of the report of the second meeting of the AFI Surveillance Implementation Task Force
- Planning and implementation guidelines

Agenda Item 8: Aeronautical Radio Frequency Spectrum issues

Agenda Item 9: 37th ICAO Assembly (2010) and Twelfth Air Navigation Conference (AN/Conf/12, 2012) – CNS related issues

Follow up on 37th Assembly Session in the field of CNS

Development of a CNS Technology Roadmap

Agenda Item 10: Future work programme and composition of the CNS/SG

Agenda Item 11: Any other business

Draft Agenda Explanatory Notes

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

Under this agenda item, the meeting will elect its chairperson and vice 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/17.

Agenda Item 3: Follow up of APIRG/17 and CNS/SG/3 Conclusions and Decisions

Under this Agenda Item, the meeting will analyze implementation of APIRG/17 and CNS/SG/3 Conclusions and Decisions and report to APIRG/18.

Agenda Item 4: Aeronautical Fixed Service

Under this Agenda Item, the meeting will review the implementation status and the performance of the AFI AFTN and ATS/DS networks in the AFI Region, and propose remedial actions for the elimination of deficiencies in these fields.

The meeting will also review the report of the first meeting of AFI VSAT networks managers, and the report of the first meeting of the AFI AMHS Implementation Task Force.

Agenda Item 5: 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.

Planning and implementation guidelines will also be discussed.

Agenda Item 6: 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.

The meeting will review the regional strategy for the implementation of GNSS in the AFI Region, and the results of the cost-benefit analysis (CBA) conducted by AFCAC in accordance with APIRG/17 Conclusions 17/28 and 17/29.

Planning and implementation guidelines will also be discussed.

Agenda Item 7: Aeronautical Surveillance

Under this Agenda Item, the meeting will review the status of implementation of the current AFI Air Navigation Plan (ANP) requirements for aeronautical surveillance.

It will review the report of the second meeting of the AFI Surveillance Implementation Task Force.

Planning and implementation guidelines will also be discussed.

Agenda Item 8: Aeronautical Radio Frequency Spectrum issues

Under this Agenda Item, the meeting will review the report of the second meeting of the AFI frequency Management Group.

It will also review the ICAO position for the ITU WRC-2012, and related regional preparatory activities.

Agenda Item 9: ICAO Twelfth Air Navigation Conference (AN/Conf/12)

Under this Agenda Item, the meeting will review the outcome of the ICAO Assembly 37th Session and the AN/Conf/12 Agenda on items of relevance to its mandate.

Agenda Item 10: 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 11: Any other business

Under this Agenda Item, the Sub-group will discuss other issues of interest (if any) not included in the above agenda items.

DRAFT TERMS OF REFERENCE, FUTURE WORK PROGRAMME AND COMPOSITION OF THE COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SUB-GROUP (CNS/SG)

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 ICAO Global Air Navigation Plan (Doc 9750) and the plans for adjacent regions;
- Identify, review and monitor deficiencies that impede or affect the provision of efficient aeronautical telecommunications and recommend appropriate corrective action;
- Prepare, as necessary, CNS/ATM cost/benefit analyses for the implementation options of C, N an S elements; and
- Study, as necessary, institutional arrangements for the implementation of C, N and S systems in the AFI Region.

2. WORK PROGRAMME

Global Plan Initiatives	Task description	Priority	Target date
	Communications		
GPI-22	Follow up and monitor the implementation of VHF coverage in the AFI region in accordance with AFI/7 Rec. 5/12.	A	APIRG/18
GPI-22	Update the AFI AFTN routing directory	A	APIRG/18
GPI-22	In coordination with the ATS/AIS/SAR Sub-group, participate in the development of a communication infrastructure to support an AFI Central AIS Database (AFI CAD)	A	Continuing
GPI-17 GPI- 22	Follow-up the implementation of suitable communication bit- oriented protocols to improve AFTN performance and to facilitate the introduction of ATN applications.	A	APIRG/18
GPI-17	Monitor the development, and coordinate the implementation of guidance material for service level agreements between air	A	APIRG/18
GPI-17	Review and update, if needed, the ICAO Register of AMHS managing domains and addressing information pertaining to AFI.	Α	Continuing
	Navigation		
GPI-21	Analyze and review the Report of the AFI GNSS Implementation Task Force.	A	Continuing
GPI-21	Follow up and monitor the implementation of Phase I of the AFI GNSS Strategy.	Α	Continuing
	Surveillance		
GPI -9	Analyze and review CNS aspects of the report of the Aeronautical Surveillance Implementation Task Force.	A	APIRG/18
	GPI-22 GPI-22 GPI-22 GPI-17 GPI-22 GPI-17 GPI-17 GPI-17	GPI-22 Follow up and monitor the implementation of VHF coverage in the AFI region in accordance with AFI/7 Rec. 5/12. GPI-22 Update the AFI AFTN routing directory GPI-22 In coordination with the ATS/AIS/SAR Sub-group, participate in the development of a communication infrastructure to support an AFI Central AIS Database (AFI CAD) GPI-17 GPI- 22 Follow-up the implementation of suitable communication bit-oriented protocols to improve AFTN performance and to facilitate the introduction of ATN applications. GPI-17 Monitor the development, and coordinate the implementation of guidance material for service level agreements between air navigations service providers and ATN service providers GPI-17 Review and update, if needed, the ICAO Register of AMHS managing domains and addressing information pertaining to AFI. Navigation GPI-21 Analyze and review the Report of the AFI GNSS Implementation Task Force. GPI-21 Follow up and monitor the implementation of Phase I of the AFI GNSS Strategy. Surveillance GPI-9 Analyze and review CNS aspects of the report of the Aeronautical	GPI-22 Follow up and monitor the implementation of VHF coverage in the AFI region in accordance with AFI/7 Rec. 5/12. GPI-22 Update the AFI AFTN routing directory A GPI-22 In coordination with the ATS/AIS/SAR Sub-group, participate in the development of a communication infrastructure to support an AFI Central AIS Database (AFI CAD) GPI-17 GPI-22 Follow-up the implementation of suitable communication bitoriented protocols to improve AFTN performance and to facilitate the introduction of ATN applications. GPI-17 Monitor the development, and coordinate the implementation of guidance material for service level agreements between air navigations service providers and ATN service providers GPI-17 Review and update, if needed, the ICAO Register of AMHS managing domains and addressing information pertaining to AFI. Navigation GPI-21 Analyze and review the Report of the AFI GNSS Implementation Task Force. GPI-21 Follow up and monitor the implementation of Phase I of the AFI GNSS Strategy. Surveillance GPI-9 Analyze and review CNS aspects of the report of the Aeronautical A

Item	Global Plan Initiatives	Task description	Priority	Target date
		Communications, Navigation and Surveillance – General matters		
10.	GPI -9 GPI-17 GPI- 21 GPI-22	Analyze, review and monitor the implementation and operation of aeronautical communications, navigation and surveillance (CNS) systems, identify CNS deficiencies and propose measures for their elimination, as required	A	Continuing
11.	GPI -9 GPI- 17 GPI-21 GPI-22	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).		Continuing
12.	GPI -9 GPI- 17 GPI-21 GPI-22	In co-ordination with the ATS/AIS/SAR Sub-group, continue the evolutionary and harmonized development of the AFI CNS/ATM Systems Implementation Plan (AFI/7 Concl. 13/1).	A	Continuing
13.	GPI -9 GPI- 17 GPI-21 GPI-22	In co-ordination with the ATS/AIS/SAR Sub-group, develop, as necessary, comprehensive business cases for competing CNS/ATM elements implementation options for the routing areas.	B	Continuing
14.	GPI -9 GPI- 17 GPI-21 GPI-22	Co-ordinate plans developed by States, international organizations, airlines and industry for the implementation of the regional CNS/ATM systems implementation plan; and monitor CNS/ATM systems research and development, trials and demonstrations within the AFI Region and information from other regions.		Continuing
15.	GPI -9 GPI- 17 GPI-21 GPI-22	Maintain current the database on CNS elements of CNS/ATM planning and implementation in the AFI Region.	В	Continuing
16.	GPI -9 GPI- 17 GPI-21 GPI-22	Coordinate the implementation of ICAO Global Plan Initiatives pertaining to CNS and develop associated regional performance objectives.	A	Continuous
		Aeronautical Spectrum	X E	
17.	GPI-23	Coordinate regional activities aimed at promoting ICAO position for ITU-WRC meetings, and improving aeronautical spectrum management and control in the Region.	Α	Continuing

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, Mali, Mauritius, Morocco, Niger, Nigeria, Senegal, South Africa, Spain, Sudan, Tanzania, Tunisia, Zambia, ACAC, ASECNA, IATA, and IFALPA.



International Civil Aviation Organization Western and Central African Office

Fourth Meeting of the APIRG Communications, Navigation and Surveillance Sub-group (CNS/SG/4)

(Dakar, Senegal, 25 - 29 July 2011)

INFORMATION BULLETIN

1. Venue of the Meeting

The Meeting will take place in the conference room of ASECNA, at 32-38 Avenue Jean Jaurès, Dakar, Senegal. The contacts of the WACAF Office are:

Tel.: (+221) 33 839 9393 Fax: (+221) 33 823 6926 Email:icaowacaf@dakar.icao.int

2. Languages

The Meeting will be conducted in English and French languages.

3. Opening Session

The Opening Session of the Meeting will take place on Monday 25 July 2011 at 08:00 hours in the ASECNA conference room, where subsequent sessions will also be held.

4. Registration

The registration of participants will take place at the site of the meeting on Monday, 25 July 2011 from 0800 to 0830 hours.

5. Instruction and Documentation

The Meeting will be serviced by Mr. François-Xavier Salambanga, Regional Officer CNS of the ICAO Dakar Office assisted by Mr. Proper Zo'o-Minto'o, Regional Officer CNS of the ICAO Nairobi Office, Secretary of the CNS Sub-group. The documentation for the Meeting will be on line and participants are informed to bring laptops for access.

6. Weather and Clothing

Average temperature in Dakar in July is 25°C.

7. Passport and visa requirements

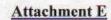
Entry visa for temporary visitors to Senegal may be obtained from the Senegalese Embassy or Consulate in their country. Visas are not required for Nationals from ECOWAS States.

8. Banks

Banks are located not far away from ASECNA and are opened from 0740 to 1215 hours and 1340 to 1545 hours from Monday to Friday.

9. Hotels

A list of recommended hotels is attached hereto.





International Civil Aviation Organization Western and Central African Office

Fourth Meeting of the APIRG Communications, Navigation and Surveillance Sub-group (CNS/SG/4)

(Dakar, Senegal, 25-29 July 2011)

First Name (in capital)	
Surname (in capital)	
Title	
Administration/Organization	
Address	
City and Country	
Telephone/Fax	
E-mail (type)	
Hotel	