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International Civil Aviation Organization
**Sixth Meeting of the APIRG Communications, Navigation
and Surveillance Sub-group (CNS/SG/6)**

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Dakar, Senegal, 18-22 May 2015

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/18
- Agenda Item 3:** Review the outcome of the APIRG Extraordinary Meeting
- Agenda Item 4:** Review the status of implementation of CNS/SG Work Programme and related Task forces/Working Groups as assigned by APIRG (*Follow up of APIRG/18 and CNS/SG/5 Conclusions and Decisions*)
- Agenda Item 5:** Identification of the linkage between the remaining Tasks with ICAO Aviation System Blocks Upgrades (ASBU) Block (0) Modules and Regional Performance Objectives
- Agenda Item 6:** Identification and development of Regional Projects based on Aviation System Block Upgrades (B0) and Regional Performance Objectives
- Agenda Item 7:** Review the new Air Navigation plan Structure and develop a draft material for endorsement by APIRG
- Agenda Item 8:** Future work programme and composition of the CNS/SG
- Agenda Item 9:** Any other business

International Civil Aviation Organization

Sixth Meeting of the APIRG Communications, Navigation
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Dakar, Senegal, 18-22 May 2015

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/19.

Agenda Item 3: Review the outcome of the APIRG Extraordinary Meeting

Under this Agenda Item, the meeting will review the conclusions and decisions of the APIRG Extraordinary meeting held in Lusaka, Zambia from 10 to 11 July 2014 and report to APIRG/20.

Agenda Item 4: Review of the status of implementation of CNS/SG Work Programme and related Task forces/Working Groups as assigned by APIRG (*Follow up of CNS/SG/5 Conclusions and Decisions*)

Under this Agenda Item, the meeting will review the implementation status of the Conclusions and Decisions of the CNS/SG/5 meeting held in Nairobi, Kenya from.

The meeting will review the work conducted by the Task Forces on the ATS Message Handling System (AMHS/TF), the Aeronautical Surveillance Implementation (ASI/TF), PBN/GNSS/TF, the AFI Integrated Regional Telecommunication Infrastructure (IRTI/TF) and the AFI Frequency Management Group (AFI/FMG) and identify the remaining tasks.

Agenda Item 5: Identification of the linkage between the remaining Tasks with ICAO Aviation System Blocks Upgrades (ASBU) Block (0) Modules and Regional Performance Objectives

Under this Agenda Item, the meeting will identify the linkage between the above remaining tasks with the ICAO Aviation System Blocks Upgrades (ASBU) Modules and regional Performance in line with the priorities set forth by APIRG/19. Planning and implementation guidelines will also be discussed.

The Project approach agreed by APIRG Extraordinary meeting will be presented and discussed.

Planning and implementation guidelines will also be discussed in accordance with the ASBU Block (0) Modules implementation time frame.

Agenda Item 6: Identification and development of Regional Projects based on Aviation System Block Upgrades (B0) and Regional Performance Objectives

Under this Agenda Item, the meeting will identify regional integrated projects to be developed and conducted in accordance with the ICAO Aviation System Blocks Upgrades Methodology and the Regional Performance Objectives.

Agenda Item 7: Review of the new Air Navigation Plan Structure and development of draft materials for endorsement by APIRG

Under this Agenda Item, the meeting will review the structure and requirements of the AFI new Air Navigation Plan (AFI/ANP).

The meeting will consolidate the list of CNS Targets and Metrics to be endorsed by APIRG/20.

The concept of e-ANP will be presented to the meeting.

Agenda Item 8: 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 9: 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.

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;
- 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	Global Plan Initiatives	Task description	Priority	Target date
Communications				
1.	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
2.	GPI-22	Update the AFI AFTN routing directory	A	APIRG/18
3.	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
4.	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
5.	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	A	APIRG/18
6.	GPI-17	Review and update, if needed, the ICAO Register of AMHS managing domains and addressing information pertaining to AFI.	A	Continuing
Navigation				
7.	GPI-21	Analyze and review the Report of the AFI GNSS Implementation Task Force.	A	Continuing
8.	GPI-21	Follow up and monitor the implementation of Phase 1 of the AFI GNSS Strategy.	A	Continuing
Surveillance				
9.	GPI -9	Analyze and review CNS aspects of the report of the Aeronautical Surveillance Implementation Task Force.	A	APIRG/18

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).	C	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
15.	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
16.	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.	B	Continuing
17.	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.	B	Continuing
18.	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		
19.	GPI-23	Coordinate regional activities aimed at promoting ICAO position for ITU-WRC meetings, and improving aeronautical spectrum management and control in the Region.	A	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.



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Sixth Meeting of the APIRG Communications, Navigation
and Surveillance Sub-group (CNS/SG/6)

Dakar, Senegal, 18 – 22 May 2015

INFORMATION BULLETIN

1. Venue of the Meeting

The Meeting will take place in the conference room of ICAO Western and Central African (WACAF) Office located, Route de l'Aéroport International Leopold Sedar Senghor, PO Box 38050 Dakar, Senegal. The contacts of the WACAF Office are:

Tel.: (+221) 33 869 24 24
Fax : (+221) 33 820 32 59
Email: icaowacaf@icao.int
Web Site: <http://www.icao.int/wacaf>

Regional Office focal point for the Meeting:

Mr. François-Xavier Salambanga
Email: fsalambanga@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 18 May 2015 at 09:00 hours in the WACAF 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, 18 May 2015 from 08:00 to 08:30.

5. Instruction and Documentation

The Meeting will be serviced by Mr. François-Xavier Salambanga, Regional Officer CNS of the ICAO Regional Office of Dakar, Secretary of the CNS Sub-group assisted by Mr. Harvey Gabriel Lekamisy, Regional Officer CNS of the ICAO Regional Office of Nairobi.

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 May is 25°C.

7. Passport and visa requirements

Procedures for obtaining an entry visa for Senegal Effective 01 July 2013, all applications for visas will be made online. The website for online visa applications is functional starting this week. To complete the application online and make payment for the visa, the applicant should visit <http://www.visasenegal.sn> or in case of difficulty or additional information, contact in Dakar is:

Tel: +(221) 33889 89 30
Info line: +(221) 78149 96 96 (24h/24h)
Email: contact@snedai.sn

The visa applicant gets the options to be either pre-enrolled online or at the nearest Enrollment Center. If successful, the applicant will receive a confirmation document issuing visas "Pre-Enrollment" with a bar code and all relevant information. After a processing time of 48 hours, the applicant can be issued visa, either at one of the Enrolment Centers or upon arrival at the airport of Dakar based on "Pre-Visa" document.

Note: To avoid the queues at the Leopold Sédar Senghor International Airport in Dakar, it is STRONGLY recommended that the applicant obtains an entry Visa from the closest Enrollment Center before travelling.

At this stage, 18 Enrolment Centers are created in the following countries:

Africa: South Africa, Cameroon, Gambia, Mauritania;
Europe: Germany, Belgium, Spain, France, Italy, Russia;
America: USA (Washington, New York)
Asia: China, India

Note: For non-listed diplomatic representations, the visa will be issued at the Dakar airport after a successful pre-enrollment online.

8. Banks

Banks are located not far away from the meeting venue and are opened from 07:40 to 12:15 hours and 13:40 to 15:45 from Monday to Friday.

9. Hotels

A list of recommended hotels is attached hereto.



Attachment E

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International Civil Aviation Organization

**Sixth Meeting of the APIRG Communications, Navigation
and Surveillance Sub-group (CNS/SG/6)**

Dakar, Senegal, 18-22 May 2015

First Name (in Capital) _____

Surname (in Capital) _____

Title _____

Administration/Organization _____

Address _____

City and Country _____

Telephone/Fax _____

E-mail _____

Hotel _____

To be forwarded back to : icaowacaf@icao.int and bkone@icao.int

HOTEL LIST / LISTE DES HOTELS PRIX/PRICE: F. CFA

Name/Nom	Address/Adresse / ☎	Fax / E-Mail	Single	Double
YOFF				
ONOMO HOTEL****	Route de l' Aéroport – BP 16794 – Dakar/Yoff Tél. +221 33 869 06 10	Fax : 33 820 33 01 onomo.dakar@onomohotel.com http://www.onomohotel.com	53.200 Taxe incluses	54 200
VIRAGE***	Le Virage (Route de l' Aéroport LSS) Tél. +221 33 820 30 80	Fax : 33 820 95 94 viragehotel@gmail.com www.leviragehotel.com Petit-déjeuner (A la carte)	36 600	41 600 Suite : 61 600
OCEAN***	Route de l' Aéroport – Yoff :Tonghor Tél. +221 33 820 00 77	Fax : 33 820 27 37 hoteloccean@orange.sn Petit-déjeuner : 3 000 F	28 000	35 000
SARGAL**	Entre Le Virage et l' Aéroport LSS Tél. +221 33 869 75 96	Fax : 33 820 31 20 infos@sargalhotel.com www.sargalhotel.com Petit-déjeuner : 3 500 F	26 100 36 550	32 100 42 500
CITE de l'ERNAM	BP 8001 Route de l' Aéroport Léopold Sédar SENGHOR-Dakar/Yoff TEL : +221 33867 51 13/ +221 33820 92 99/	FAX : +221 33 820 71 04 IDEMoussaBakireMou@asecna.org	10 000 ventilées 15 000climatisées	
NGOR				
N'GOR DIARAMA***	Route de l' Aéroport – N' Gor Tél. +221 33 820 27 24	ngordiarama@orange.sn www.ngordiarama.com Petit-déjeuner inclus	55 000	60 000
ARCHOTEL**	Virage sur la route de N' Gor Tél. +221 820 41 63	Fax : +221 33 280 42 07 archotel@orange.sn Petit-déjeuner : 4 000 F	30 600 35 600 40 600	36 200 41 200 46 200
LA BRAZZERADE**	Plage de N' Gor Tél. + 221 820 03 64	Fax : +221 820 06 83 labrazzerade@orange.sn www.brazzerade.com Petit-déjeuner : 3 500f	25 000 30 000 40 000	
LA MADRAGUE**	Plage de N' Gor près de l' USAID Tél. +221 33 820 02 23	Hotel.sbs@ansa-group.com www.Hotel-madrague.com		
ALMADIES				
KING FAHD PALACE*****	Pointe des Almadies – BP 8181/DAKAR-YOFF Tél. +221 33 869 69 49	Fax : 33 869 69 99 Petit-déjeuner compris Resa.dakar@lemeridien.com	86 000 (Vue Jardin) 102 000 (Vue mer)	100 000 116 000
ALMADIES ****	Pointe des almadies Tel: +221 33 869 54 54	Fax : Email : Petit déjeuner + taxe inclus	56 000	81.000
FLEURS DE LYS **	Route des Almadies Tél. +221 330869 86 87	Fax: +221 33 820 74 20 Petit-déjeuner inclus contact@hotelfleursdelys.dakar.com www.hotelfleursdelys.com	Standard: 60 000	Suite : 120 000
LA RESIDENCE**	Route de la Pointe des Almadies Tél. +221 820 15 35	Fax : 33 868 25 57 info@laresidence dakar.com www.laresidence dakar.com Petit déjeuner compris	55 000	55 000

Name/Nom	Address/Adresse / ☎	Fax / E-Mail	Single	Double
AIRPORT HOTEL **	Tél. + 221 33 869 78 78 CASINO DU CAP-VERT	Fax : 33 820 27 44 <u>Petit-déjeuner : 4 500 F</u> saccvhotel@orange.sn	49 600	57 200
SENEGANNE***	Route de N'Gor (Croisement Almadies) + 221 33 820 12 33	Fax: Non fonctionnel www.seneganne.com <u>Petit-déjeuner : 5 000 F</u> seneganne@orange.sn	45 000	50 000
AMBRE ***	Route de N'Gor (Croisement Almadies) Tél. +221 33 820 63 38	Fax : 33 820 63 38 info@ambre.sn www.ambre.sn Petit-déjeuner : 3 000 F	42 600	45 600
LA DETENTE BLEUE***	Route de la Pointe des Almadies Tél. +221 33 820 39 75	Fax : 33 820 38 49 ladetente@orange.sn; <u>Petit-déjeuner compris</u> www.hotel-ladetente.com	39 500	47 000
AZUR**	Route de la Pointe des Almadies	Fax : 33 820 23 06 hotellazursenegal@yahoo.fr www.hotellazursenegal.com <u>Petit-déjeuner inclus</u>	36 000	45 000
RESIDENCE MADAMEL***	Route de la Pointe des Almadies Tél. +221 33 869 59 64	Fax. 33 869 42 45 contact@dalalhotels.com <u>Petit-déjeuner</u> www.residenceamadamel.com <u>compris</u>	35 600	51 200
LE LODGE***	Route de la Pointe des Almadies Tél. +221 33 869 03 45	Fax : 33 869 03 50 hotellodge@orange.sn <u>Petit-déjeuner : 4 500 F</u> www.lodgedesalmadies.com	34 800 37 800 41 100	35 400 38 400 41 700
FANA***	Route de la Pointe des Almadies Tél. +221 33 820 06 06	Fax : 33 820 69 69 fanahotel@orange.sn <u>Petit-déjeuner : 3 500 F</u> www.sortiradakar.com/fiches/fana	33 600 38 600	39 200 44 200
OUEST FOIRE				
GALLE YANGUE ***	14-20, Ouest Foire Tél. +221 865 15 45	Fax: Non fonctionnel Dnfay2000@yahoo.fr Petit-déjeuner : 3 500 F 25 600	30 600	
CORNICHE/PLATEAU				
Radisson Blu ***	Route de la Corniche ouest BP 16868 Dakar Fann, ☎ +221 33 869 33 33	Fax : +221 33 869 33 66 info.dakar@radissonas.com http://www.radissonblu.com /hotel-dakar	130.000	

Name/Nom	Address/Adresse / 📠	Fax / E-Mail	Single	Double
TERROUBI****	Bd Martin Luther King Corniche-Ouest – Tél. 33 839 90 39	Fax: 33 839 90 45 reservation@terroubi.com	Vue jardin 100 000 Vue de mer 108 000	Vue jardin 107 000 Vue de mer 126 000
Teranga****	Place de l'Indépendance (Rue Carnot x Colbert) B.P. 3380 📞 33 849 49 94	Fax : 33 823 50 01 dakar.reservation@accor.com / teranga@ns.arc.sn <i>navette aéroport-hotel-aéroport gratuite</i> Petit déjeuner : 6.500	Vue/ville 76 500 Vue/mer 93.000	94.000
NOVOTEL ****	Avenue Abdoulaye Fadiga BP 2073 📞 33 849 49 94 / 33 849 61 61	Fax. (+221) 33 823 89 29 dakar.reservation@accor.com <i>navette aéroport-hotel-aéroport gratuite</i> Petit-déjeuner +Taxe inclus	71.850	81.850
Lagon 2****	Route de la Corniche-Est 📞 33 889 25 25 - 33 82360 31	33 823.77.27 Petit-déjeuner + taxe inclus lagon1@sentoosn	72.500	82.000
Savana****	Pointe Bernard Petite Corniche BP 6096 Dakar 📞 33 849 42 42	33 849 42 43/ 33 823 85 86 hotel@savanna.sn Petit-déjeuner + taxe inclus	65.600	70.200
Café de Rome****	30, Bd de la République Tél. 33 849 02 00	Fax: 33 823 63 84 Hotel.resa@anfa-group.com Petit déjeuner : à la carte	59.000	73.000
La Croix du Sud***	20, Avenue du Roi Hassane II (Ex Avenue Albert Sarraut) 📞 33 889 78 78	croixsud@orange.sn Petit-déjeuner +taxe inclus	51 000	62 000
Sohkamon****	Boulevard Roosevelt x Nelson Mandela Dakar 📞 33 889 71 00	33 823 59 89 hotelsokhamon@sentoosn Petit-déjeuner : 5 500 CFA	44 200 64 000	48 700 68 500
Faidherbe***	Avenue Faidherbe x Raffanel B.P. 3197 Dakar 📞 33 889 17 50 – 33 889 17 40	faidherbe@orange.sn Climatisé+TV📺 Petit-déjeuner +taxe inclus	42 800	55.000
Farid***	51, Rue VINCENS B.P. 1514 📞 33 821 61 27	33 821 08 94 PD : 4 000	40.500	44.900

Name/Nom	Address/Adresse / 📠	Fax / E-Mail	Single	Double
Al Afifa***	46 Rue Jules FERRY B.P. 3474 📠 33 889.90.90	33 823 88 39 gmbafifa@orange.sn Petit déjeuner 3 600	38 350	42 050
Ganale ***	38, Rue Amadou A. NDOYE 📠 33 889 44 44 / 33 822 34 30	ganale@sentoosn Petit-déjeuner +taxe inclus	40.200	51.400
Nina***	Rue du Dr. Theze X Rue A.a. Ndoye 📠 33 889 01 20 - 33 889 01 81	hotelina@sentoosn Petit-déjeuner +taxe inclus	38.000	50.000
Miramar***	25-27, Rue Félix FAURE 📠 33 823 20 97 (near/près UNESCO)	33 823 35 05 <u>Petit déjeuner: 2 500 CFA</u>	29 400	35.800
Plateau**	62, Rue Jules FERRY B.P. 2906 📠 33 823 44 20 33 823 15 26 33 823 47 80	33 822 50 24 <u>Petit-déjeuner: 3 000 CFA</u>	26.000	30.000
Al Baraka***	35, Rue El Hadj A. K. Bourgi, B.P. 578 📠 33 822 55 32	33 821 75 41 <u>Petit-déjeuner: 3 500 F</u>	25.600	31.200
Océanic**	Rue de Thann (Marché Kermel) 📠 33 822 20 44 - 33 822 17 18	33 821 52 28 <u>Petit-déjeuner: 2 500 CFA</u>	21.600	25.800
Saint Louis Sun**	68, Rue Félix FAURE 📠 33 822 25 70	33 822 46 51 <u>Petit-déjeuner: 2 500 CFA</u>	21 700	27.650

* Special rates for ICAO. (Delegates should specify that they are attending an ICAO meeting).
Tarifs spéciaux pour l'OACI. (Les délégués doivent préciser qu'ils participent à une réunion OACI).

** Reservation may be requested by fax or e-mail and may indicate ICAO rates
Les réservations doivent être faites par fax ou par courriel en indiquant le tarif OACI

*** Hotel can provide transport from and to the airport at their own expense (Delegates should specify if they need transport)
Hôtel pouvant transporter les délégués à partir de l'aéroport et à leur départ de l'hôtel à leur propre charge (Les délégués doivent le préciser en faisant leur réservation)
MISE A JOUR LE 23 MAI 2013