

# **AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP TWENTIETH MEETING (APIRG/19)**

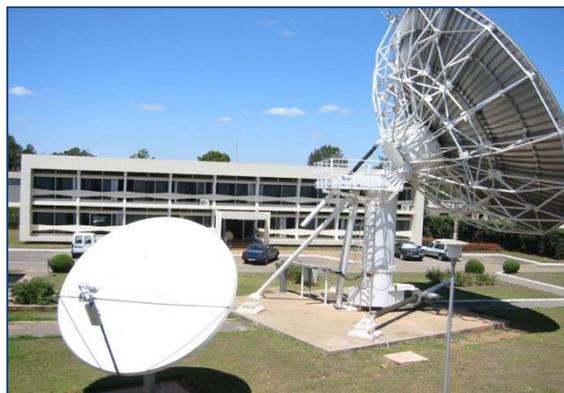
*Yamoussoukro, Cote d'Ivoire, 30 November - 2 December 2015)*

## **Agenda Item 2.4**

# **Communication, Navigation, Surveillance**

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**Presented by ASECNA,**

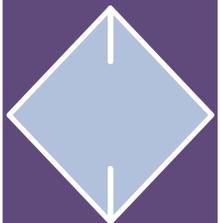


WP/21

## AMHS implementation

### Challenges for AMHS operational implementation in AFI-Region

- ✓ IP infrastructure implementation
- ✓ AMHS addresses Coordination;
- ✓ AMHS Training, including basic, technical and operational training;
- ✓ AMHS Conformances tests;
- ✓ AMHS interoperability tests;
- ✓ AMHS pre-operational tests ;
- ✓ AMHS operational switch-over,



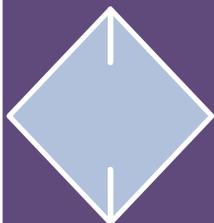


# Action by the meeting

The meeting is invited to :

Define a plan for an harmonized and coordinated operational implementation of the AMHS in the AFI regional level by late 2018, including:

- implementation of VSAT networks capabilities together with associated addressing plans and safety policy;
- coordination of addresses and interoperability and switch-over tests; and
- enhancing operational and technical trainings.





# WP/27

## VHF-HF-CPDLC Survey

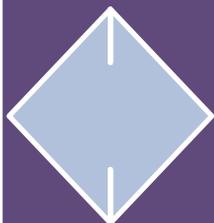
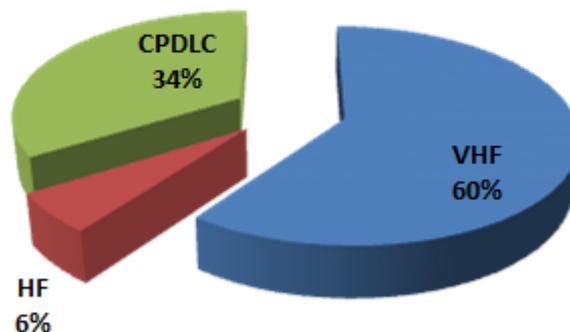
**Total number of exchanges between controllers and pilot: 10449**

**VHF : 6278; 60 %**

**HF : 612 ; 6 %**

**CPDLC : 3559; 34 %**

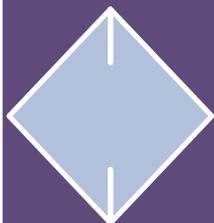
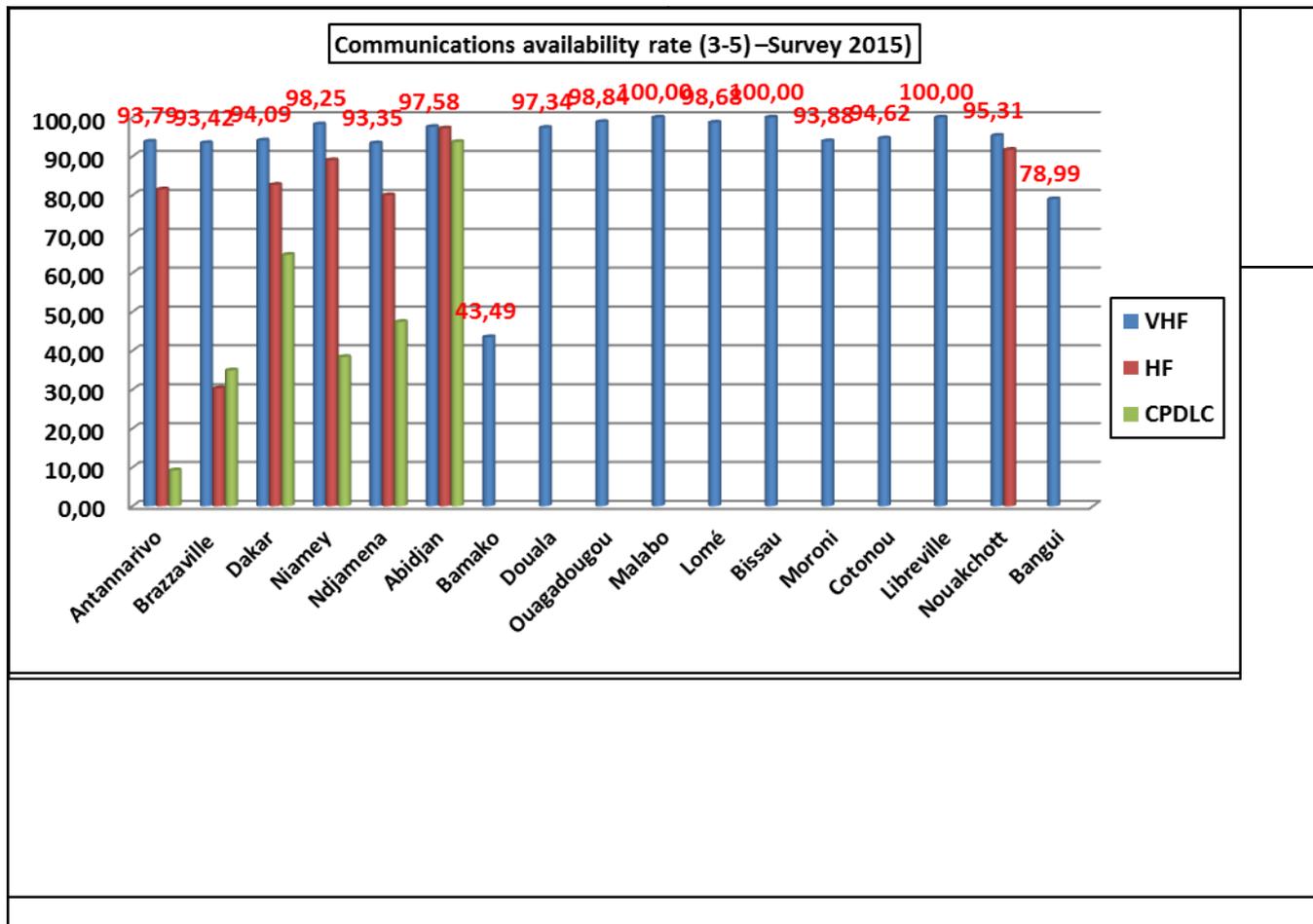
Distribution exchange between Pilots and Controllers according to the main used (VHF-HF-CPDLC) during 2015 investigation





# WP/27

## VHF-HF-CPDLC Survey

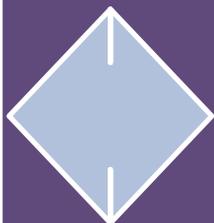




# Action by the meeting

The meeting is invited to :

- **Encourage States and/or Organizations to propose and develop mechanisms of cooperation for the improvement of the aeronautical mobile service in the AFI Region.**
- **Encourage airlines to take appropriate measures to equip their fleet with ADS-C and CPDLC capability.**





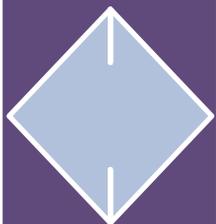
# WP/29

## Surveillance data exchange



- ▲ Radar ASECNA existant  
*Existing ASECNA radar*
- ▼ Centre ATC ASECNA existant  
*Existing ASECNA ATC centre*
- ▲ Centre ATC ASECNA mis à niveau  
*Upgraded ASECNA ATC centre*
- ▲ Nouveau radar ASECNA  
*New ASECNA radar*
- ▼ Nouveau centre ATC ASECNA  
*New ASECNA ATC centre*

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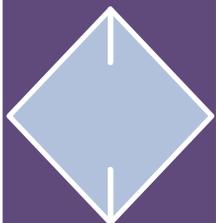
# Action by the meeting

The meeting is invited to :

- Encourage the cooperation between ANSPs to implement surveillance data exchange among their systems and develop an action for the surveillance data exchange

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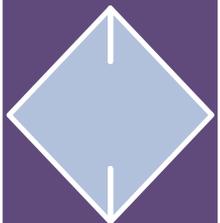


# WP/26

## AFI/FMG report

### Outcome of the WRC-15 :

- Approval of Resolution **154 (Rev WRC-15)** related to regulatory measures for the protection of C-band(3400-4200 MHz), required for the safe operation of aeronautical VSAT;
- Approval of the resolution on Global Flight Tracking(GFT) with allocation of 1 087.7-1 092.3 MHz frequency band (Earth to space) for satellite ADS-B;
- Frequency 2700-2900 Mhz for navigation radars;
- Approval of regulatory measure for WAIC (Wireless Avionics Intra Communications) and UAS.



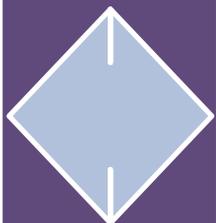


# Action by the meeting

The meeting is invited to :

Encourage les Etats/Organisations to pursue the sensitization action for the assignement and the protection of aeronautical frequencies;

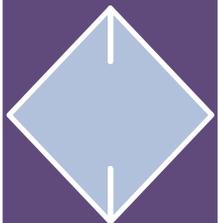
ICAO, States and ANSP to take the necessary action to implement the resolution 154 (Rev WRC-15), for the protection of FSS for aeronautical usage ;





# AFI/SAM interconnection improvement

- Implementation of Dakar/Cayenne and Dakar Piarco ATS/DS circuit with installation of AFISNET nodes in Cayenne and Piarco
- Implementation of Abidjan/Recife on going
- Implementation of AMHS and AIDC planned for 2016





# THANK YOU

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