



INTERNATIONAL CIVIL AVIATION ORGANIZATION

First Meeting of APIRG Infrastructure and Information Management Sub Group (IIM/SG/1)
(Nairobi, Kenya, 27-30 June 2017)

4.3 Aeronautical Communication Navigation Surveillance and Spectrum Infrastructure and Systems

4.3.2 Planning and implementation of AFI Regional Aeronautical Communication Projects

AFI aeronautical communication projects

(Presented by Secretariat)

Table with 1 column and 4 rows: SUMMARY, This paper presents the Projects identified in the Aeronautical Communication field in support to ATM, AIM & MET services provision. Action by the meeting is at paragraph 3: REFERENCE(S): Doc 9750, Global Air Navigation Plan, Doc 7474, Air Navigation Plan — Africa-Indian Ocean Region, Report of AFI/RAN 7th meeting, Report of Sp AFI/RAN 8 Meeting, Report on APIRG Meetings, Report on the meeting for the establishment of the APIRG IIM Sub Group. Related ICAO Strategic Objective(s): A – Safety, B – Air Navigation Capacity and Efficiency, D – Economic Development of Air Transport, and E – Environmental Protection. Related ASBU KPIs & B0 Modules: All applicable to AIM, CNS and MET

1. INTRODUCTION

1.1 APIRG/20 meeting, Yamoussoukro, Cote d'Ivoire 30 November 02 December 2015, in consideration of recommendations on regional planning and implementation formulated by the AFI/RAN SP 8 meeting, Durban, November 2008 (Recommendation 6/1—Regional performance framework, Recommendation 6/2—National performance framework, Recommendation 6/3 — Re-organization of the regional air navigation plan, Recommendation 6/4 — Re-organization of APIRG) confirmed that a performance-based approach to planning of air navigation services and aviation safety offered an opportunity to strengthen a continent wide commitment to improving safety and efficiency, toward resolving deficiencies and addressing critical issues and that the objective should be to develop a comprehensive report which would contain a set of proposed work programmes based on performance objectives with measurable outcomes and metrics.

1.2 In consideration of the above a list of Air Navigation Services (ANS) Key Performance Indicators and Targets comprising operational and institutional targets at the national and regional levels was discussed and approved by APIRG/20.

Furthermore, Conclusion 20/49 of the APIRG/20 Meeting, calls upon the Secretariat to develop a consolidated catalogue of all identified projects, using a standard format, to be endorsed by the APIRG PCC.

1 DISCUSSION



2.1 The meeting for the establishment of the APIRG IIM Sub Group held in Dakar, Senegal from 28 to 30 November 2016 identified three (03) groups of Aeronautical Communication projects in support to Air Traffic Management, Aeronautical Meteorology and Aeronautical Information Management.

2.2 Aeronautical Fixed Service (AFS)

The projects identified for the Aeronautical Fixed Service (AFS) are related to:

- a) **ATS/DS to ensure flight coordination by ATCOs**
- b) **VoIP to ensure flight coordination by ATCOs**
- c) **AIDC to ensure automated flight coordination by ATS facilities**
- d) **AFTN to ensure exchange of Flight Plans, OPMET, NOTAMS**
- e) **AMHS to ensure exchange of Flight Plans, OPMET, NOTAMS**

2.3 Aeronautical Mobile Service (AMS)

The projects identified for the Aeronautical mobile Service (AMS) are related to:

- a) **HF/VHF Voice & Data Link to ensure air ground communication**
- b) **CPDLC to ensure air ground communication**
- c) **VOLMET HF &VHF and ATIS**

The IIM identified projects are attached as Appendices to this Working Paper.

3 ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Take note of the information presented in this working paper;
- b) Identify potential additional projects to be considered by the APIRG IIM Sub/Group ;
- c) Agree on further planning and implementation actions to be conducted.

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