INTERNATIONAL CIVIL AVIATION ORGANIZATION

Seventh Meeting of the APIRG Infrastructure and Information Management Sub-Group (IIM/SG7)

Dakar, Senegal, 5 - 8 August 2024

Agenda Item 3: Achievements in Infrastructure and Information Management

3.3. Implementation of ASBU elements and Achievements of IIM Projects

WP3.3B Progress report on the Implementation of Ground/Ground communication project

(Presented by PTC COM2)

SUMMARY
This working paper outlines the status of the Project, the documentation developed by the team, indicates the challenges encountered by the team and possible recommendations.   Action by the meeting is provided in paragraph 3
REFRENCE(S):   ▪ Global Air Navigation Plan (GANP)   ▪ ICAO Annex 10 Volumes II & III Aeronautical Telecommunication   ▪ Annex 11 Air Traffic Service   ▪ Doc 4444 Procedures for Air Navigation Service   ▪ Doc 9694 Manuel on Air Traffic Services Data Link Applications   ▪ Doc 10037 Global Operational Data Link Document (GOLD)   ▪ APIRG IIM/SG1, IIM/SG2 and IIM/SG3 Reports
Related ICAO Strategic Objectives: **A** – *Safety,* **B** – *Air Navigation Capacity and Efficiency*

1. **INTRODUCTION**

1.1. In the Framework of the technologies Roadmap for Communication defined in the GANP and the AFI Air Navigation Plan, monitor the implementation of AMHS and the transition from AFTN to AMHS in the region and support identified States to transition from AFTN to AMHS in accordance with the operational requirements of **Annex 3** Aeronautical Meteorology, **Annex 10 Volume II** Aeronautical telecommunication, Annex 11, Air Traffic Service, **Annex 15** Aeronautical Information Service, and the relevant supporting guidance documents (**Doc 9896** Manual for the ATN using IPS Standards and Protocols, Doc **9880**, Manual on Detailed Technical Specifications for the Aeronautical Telecommunication Network (**ATN**) using ISO/OSI Standards and Protocols Doc 9694 Manuel on Air Traffic Services Data link Applications.

1.2. This is to assist States with the implementation of Ground/Ground Communication to ensure seamless coordination and exchange of aeronautical time sensitive operational data among all Air Traffic Services Centres involved in the provision of air navigation services for international civil aviation. The project provides an effective forum for the discussion, review and management of ground/ground

communication issues, to ensure that the implementation scheme remains in accordance with the requirements of the provision of Aeronautical Fixed Service (AFS) as defined by the AFI Air Navigation Plan (AFI/RAN Abuja 1997). The project from this perspective is thus an interactive process through which all concerns of relevant stakeholders can be considered while keeping them adequately informed.

1.3. All tasks are carried out by COM/IT experts nominated by AFI States participating in the project, led by the Project-Team Coordinator and under the supervision of the Project Facilitators (ROs/CNS, Dakar and Nairobi) through the IIM/SG working methodology. Members appointed by States have been meeting monthly.

2. DISCUSSIONS

Key achievements

2.1. Reviewed the Project Description, Project costing and the Questionnaire.

2.2. IIM COM 2 MS Team folder was created for Project documentation to ease of access and record purposes and the group is holding regular meetings.

Status of implementation of ASBU elements in the scope of the project

2.3. COMI-B0/7 ATS Message Handling System (AMHS) interconnections among States in AFI region is below 50%.

Implementation challenges

   a) Infrastructure deficiencies
   b) Financial constraints
   c) Technical challenges
   d) Regulatory and policy issues
   e) Lack proper coordination and collaboration leading to fragmented effort
   f) Insufficient training and capacity to handle AMHS
   g) No response from States

3. ACTIONS BY THE MEETING

3.1   The meeting is invited to:

   a) Take note of the status of the content of this working paper;

   b) Call States to encourage the participation of its qualified experts in the AFI region projects;

   c) Submit projects Questionnaires responses;

   d) Build technical capacity;

   e) Foster regional collaboration;

   f) Establish key performance indicators (KPIs) and metrics to monitor progress and evaluate the effectiveness of implementation efforts.

----- END -----