

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)

INFRASTRUCTURE AND INFORMATION (IIM) SUB-GROUP



AERONAUTICAL FREQUENCY MANAGEMENT PROJECT 1

Development of Policies, systems to protect Aeronautical Spectrum

Project Description

PROJECT DESCRIPTION

1. Title of the project

Aeronautical Frequency Management Project 1: Development of policies, systems to protect Aeronautical Spectrum

2. Purpose: To ensure that Aeronautical Frequency Spectrum is free from harmful and any form of interference

3. Objectives:

- a) Develop a resilient framework for coordination of Aeronautical frequencies in the region.
- b) Establish a forum and logical infrastructure for coordination of aeronautical frequencies with State regulators sub-region and regional frequency Management bodies.
- c) Ensure states are conversant with developed ICAO tools on frequency management.
- d) Establish a forum for coordination and support of ICAO positions for forthcoming WRC.
- e) Carryout studies on effects on aeronautical frequency bands from adjacent bands.

4. Scope:

The project will be focused on all Aeronautical frequency bands and any other frequencies key to the safe and secure operations of all aeronautical facilities.

5. Metrics for measurement of Objectives

- a) Number of MOUs developed on the coordination of CAAs and frequency regulators in AFI states
- b) Number of states (CAAs) involved in the participation of AFI coordination forum
- c) Percentage of newly allocated frequencies coordinated with ICAO regional offices
- d) Number of State (CAAs) participating in regional and sub-regional frequency management bodies/organizations.
- e) Number of studies carried out on utilization of aeronautical frequencies.

6. Strategy for operations

- a) Development of relevant tasks
- b) Prioritization of tasks
- c) Establishment of corium for task (all tasks to be carried out by frequency management representatives nominated by states for the frequency project under the leadership of Project Team Coordinator and supervision of project facilitators (ROs/CNS in the AFI region)).
- d) Tasks to be accomplished with a timeline determined

- e) Outcome of tasks shall be sent to Project facilitators as a report to be approved by APIRG (APCC)
- f) There shall be defined a corium for tasks carried out.

7. Outcome:

Improved operations of aeronautical frequencies within the region.

8. Justification:

- a) Coordination between CAAs and State frequency regulators remains an area that needs improved and collaboration for some states there is still no or little coordination of frequency assignments.
- b) Collaboration between the CAAs and the regional office on assignment of aeronautical frequencies still needs improvement for proper monitoring of possible current future interferences that could lower safety of operation in the aviation industry.
- c) There is need for a forum where interferences to aviation frequencies are shared for the purpose of recording lessons learnt, steps taken to resolve challenge and remedies for future reoccurrences.
- d) Need for studies to be carried out to justify protection of aviation frequencies in various bands.

9. Related projects:

All APIRG projects utilizing facilities that require aeronautical frequencies for improvement and maintenance of safety of flights.

10. Resources needed:

- a) Human resource nominated by states
- b) Funds to conduct meetings, workshops, seminars missions and translation of reports and relevant documents to ICAO languages where necessary.
- c) Funds to carry out identified studies critical to protection of frequencies.