



ICAO Frequency Finder Awareness Workshop

Presentation 4: **FUTURE IMPROVEMENT**

Presented by

Mie Utsunomiya – ICAO HQs

Fabiola Chouha – ICAO HQs

11 May 2022



CURRENT WORK ON FREQUENCY FINDER

In order to better support States and ICAO regional offices, ICAO has successfully further enhanced and implemented the following features to Frequency Finder tool:

- 1) Plotting interference contours in the NAV module;
and
- 2) A global database for Mode S II/SI code assignments.

Furthermore, there are several other enhancements planned to be developed and implemented (such as adding simulation capability, better cyber resilience of the tool) to to facilitate efficient use of spectrum, assisting States and ICAO regional offices to visualize the current and future frequency congestions as well as to identify the optimal spectrum assignment globally and regionally



ONLINE COURSE DEVELOPMENT RELATED TO **FREQUENCY MANAGEMENT FOR CIVIL AVIATION**



ONLINE COURSE DEVELOPMENT RELATED TO FREQUENCY MANAGEMENT FOR CIVIL AVIATION

Objectives and expected benefits:

The Fundamentals of Frequency Management Online Programme will be composed of three new self-study online courses based on the content provided by the ICAO DOCs/ Manuals. The intent is to offer these courses as independent courses or combined, however, remaining a prerequisite to the participation at the regional workshops. These courses will provide an overview of frequency spectrum used for aeronautical services as well as offer a familiarization with the regulations. Furthermore, the material covering frequency assignment planning criteria for aeronautical radio communication systems will be covered, which includes including an introduction of ICAO Frequency Finder tool.

Upon completion of this course, the participants will be able to:

- explain the fundamentals of frequency management and the fundamentals of spectrum management;
- identify the spectrum management process and identify the specific process of frequency management and spectrum management related to aeronautical services and aeronautical communication system operations;
- describe and understand interference protection in relation to spectrum management;
- identify the differences between spectrum management and frequency management from aviation perspective; as well as
- understand the Frequency Assignment planning criteria for aeronautical radio communication systems, which includes the introduction to the ICAO Frequency Finder tool.

ONLINE COURSE DEVELOPMENT RELATED TO FREQUENCY MANAGEMENT FOR CIVIL AVIATION

DEVELOPMENT OF
A WEB-BASED
TRAINING COURSE

Course 1 -
Overview of
Frequency
Management
(expected to
be launched
in 2022)

Course 2 -
Frequency
Management
Process

Course 3 -
Frequency
Management
Application

3 stand alone courses



Unit 1- Overview of frequency spectrum used for aeronautical services



Unit 2. Familiarization with the regulations relating to the Frequency spectrum used for aeronautical services



Unit 3 Spectrum Management Process



Unit 4 - -Frequency management process of aeronautical process



Unit 5. Interference protection in relation to spectrum management



Unit 6. Frequency management process for aeronautical radio communication systems



Unit 7. Frequency assignment planning criteria for aeronautical radio communication systems- Introduction of ICAO Frequency Finder tool

Coordination with Global Aviation Training Section

Course duration 12 hours



2022

