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INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



Frequency Management Workshop for Gulf Cooperation Council (GCC)

Introduction

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PROVISIONAL AGENDA

- ❑ Agenda Item 1: Introduction
- ❑ Agenda Item 2: Aeronautical Frequency Planning
 - Explaining the planning criteria
 - Current MID frequency allotment plan
 - Amendment of the MID frequency allotment plan
- ❑ Agenda Item 3: Frequency Finder (FF) Tool
 - Frequency Finder Tool requirements, functions and installation
- ❑ Agenda Item 4: VHF COM Module
 - Performing Basic exercises (Scenarios prepared)
 - Updating the States frequencies in the Global database
- ❑ Agenda Item 5: VHF NAV Module
 - Performing Basic exercises (Scenarios prepared)
 - Updating the States frequencies in the Global database

Tentative Schedule

Day/Time	0800-0900	0900-1030	1030-1045	1045-1215	1215-1300	1300-1430	1430
Monday 9 Jan.	Welcoming & Registration	Opening + Installing the runtime version of Frequency Finder (FF1A)	Coffee Break + Group Photo	Handbook Volume II, Chapter 1 – General principles in aeronautical frequency assignment planning (Handbook 1A)	Break + Prayer	Integrity check, COM3 list and Query (FF2A) + Exercises	Lunch
Tuesday 10 Jan.		Handbook Volume II; frequency assignment planning criteria (Handbook 2A) + Compatibility testing of frequency assignments (FF3A)	Coffee Break	Add, Modify or delete frequency assignments from COM list 3 (FF4A) + Exercises	Break + Prayer	Handbook Volume II; frequency assignment planning criteria (Handbook 3A) + Exercises	Lunch
Wednesday 11 Jan.		Presentation of specific use of VHF COM frequencies in the MID Regions + Coordination procedure in the MID Regions + Interregional coordination	Coffee Break	Exercises + Current MID frequency allotment + Amendment of the MID frequency allotment	Break + Prayer	NAV Module (FF NAV 1A) Update COM2 data	Lunch

Reminder:

Before attending the workshop

Participants are encouraged to:

- Install the latest version of Frequency Finder software (**FF2023.01.RT.exe**) to the computers

<https://www.icao.int/safety/FSMP/Pages/Documents.aspx?RootFolder=%2Fsafety%2FFSMP%2FDocuments%2FFrequencyFinder&FolderCTID=0x012000B1461A5DA8C64241AA4DE4F91CB1D9AF&View=%7BE11C4C29%2DDD83%2D4B87%2DAAAE%2D2330E3DE14D8%7D>

- Install google Earth to the computer (<https://www.google.com/earth/versions/#earth-pro>)

Note. – For more details refer to the User Manual : Installing Frequency Finder (Run-time version)

- Visit FSMP website or ICAO NET to review ICAO Doc 9718, Volume II

<https://www.icao.int/safety/FSMP/Pages/Documents.aspx?RootFolder=%2Fsafety%2FFSMP%2FDocuments%2FDoc9718&FolderCTID=0x012000B1461A5DA8C64241AA4DE4F91CB1D9AF&View=%7BE11C4C29%2DDD83%2D4B87%2DAAAE%2D2330E3DE14D8%7D>

Before attending the workshop

Recommendation:

To be adequately prepared for attending the Frequency finder workshop and to gain the necessary frequency management basics,
it is recommended to take the following online web course.

“Aeronautical Spectrum Use with Special Focus on VHF”

(<https://store.icao.int/en/aeronautical-spectrum-use-special-focus-training>)



Description

Goal

This course aims to provide the fundamentals of frequency and spectrum management, focusing mainly on Very High Frequency (VHF) used by aeronautical communications systems, as well as a description of the specific terms used in frequency management in civil aviation including a brief discussion about aeronautical communications and navigation systems.

Reminder:

Participants must bring:

- their computer that has the runtime version of the Frequency Finder software and google Earth installed in it.
- The latest VHF COM and NAV frequency assignment data in order to update the FF database



About the Frequency Finder tool How did it all start?



- Frequency Finder has been developed with FileMaker 13 Pro Advanced
- Frequency assignment planning criteria as per the Handbook Volume II implemented
- Calculation of interference areas, assessing compatibility between frequency assignments /searching for compatible SSR II /SI codes
- Graphical interface with Google Earth
- Plotting interference
- VHF COM Module and NAV Module in the Frequency Finder tool. Also SSR II/SI Code stand-alone Module is available.
- Global COM list 2, COM list 3 and Table of SSR Mode S II Codes are maintained by Regional Offices



Thank You!