



ICAO

RECONNECTING THE WORLD



ACAO/ICAO Frequency Management Workshop

Casablanca, Morocco, 6-10 June 2022

Introduction

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PROVISIONAL AGENDA

- ❑ Agenda Item 1: Introduction
- ❑ Agenda Item 2: Aeronautical Frequency Planning
 - WRC Process
 - 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

Date/time	6 June	7 June	8 June	9 June	10 June
9:00-9:30	Opening <i>(This presentation)</i>	Presentation: Handbook Volume II; frequency assignment planning criteria <i>(Handbook 2A)</i>	Presentation: Handbook Volume II; frequency assignment planning criteria <i>(Handbook 3A)</i>	Using Frequency Finder - Functions in Frequency Finder not yet discussed <i>(FF5A)</i> - Exercise- Export submission - Exercise - Export COM list 3/undo submission(s)	5G issue Future Work - CNS and Spectrum SSR Module <i>(FFSSR 1A)</i>
9:30-10:30	Installing the runtime version of Frequency Finder <i>(FF1A)</i>				
10:30-11:00	Break	Break	Break	Break	Break
11:00-12:30	Presentation: Handbook Volume II, Chapter 1 – General principles in aeronautical frequency assignment planning <i>(Handbook 1A)</i>	Using Frequency Finder - Compatibility testing of frequency assignments - Analyze detailed calculation results <i>(FF3A. Cont.)</i> - Exercise – understand the result	Using Frequency Finder - Add, Modify or delete frequency assignments from COM list 3 - <i>(FF4A cont.)</i> - Exercise– Add/Mod/ Del Freq - Exercise – ER/Area service	<ul style="list-style-type: none"> Current MID frequency allotment (RO) Amendment of the MID frequency allotment 	Discussions with individual States on issues related to the frequency assignment plan
12:30-13:30	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:30-15:00	Using Frequency Finder. <i>(FF2A)</i> (2 Integrity check, COM3 list and Query) - Navigating to the COM list 3	Using Frequency Finder - Add, Modify or delete frequency assignments from COM list 3 <i>(FF4A)</i>	<ul style="list-style-type: none"> Presentation of specific use of VHF COM frequencies in the MID Regions Coordination procedure in the MID Regions Interregional coordination 	NAV Module (FF NAV 1A). Cont. Update COM2 data	Closing Group photo
15:00-15:30	Break	Break	Break	Break	
15:30- end	Using Frequency Finder HQ: Navigating through the COM list 3 (3 Test Frequency) <i>(FF3A)</i> - Exercise – Test frequency - Exercise – Compatibility Check in your State	Using Frequency Finder Cont,	<ul style="list-style-type: none"> Update COM3 data 	WRC Process WRC 23 Agenda	



Reminder:

Before attending the workshop

Participants are encouraged to:

- Install the latest version of Frequency Finder software 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/>)

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>)



Reminder:

Participants **must bring:**

- their computer with the runtime version of the Frequency Finder software and google Earth
- 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, NAV Module and SSR II/SI Code Module are included
- Global COM list 2, COM list 3 and Table of SSR Mode S II Codes are maintained by Regional Offices