

ICAO Workshop on Frequency Finder Introduction



Prepared by

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Frequency Finder Workshop Tentative Programme

Local Time	Monday / 9 Oct 2023	Tuesday / 10 Oct	Wednesday / 11 Oct	Thursday / 12 Oct	Friday /13 Oct
0900- 0930	Opening/Group photo	Handbook Volume II: Frequency assignment	Handbook Volume II: Frequency assignment	Using Frequency Finder: •Other Functions (FF5A)-	The 5G/RA issue Future Work -CNS and
0930- 1000	Installing the runtime version of Frequency Finder (FF1A)	planning criteria (Handbook 2A)	planning criteria (Handbook 3A)	•Exercise- Export submission- •Exercise - Export COM list 3/ undo submission(s)	•SSR Module (FF SSR 1A)
10:00- 10:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30- 11:30	Handbook Volume II: General principles in planning the assignment of aeronautical frequencies (Handbook 1A)	Using Frequency Finder: •Compatibility testing •Analyze detailed calculation results (FF3A. Cont.)- Exercise – understand the results	Using Frequency Finder Add, Modify or Delete frequency assignments from COM list 3 (FF4A cont.)- Exercise – ER/ area service	Current APAC frequency allotment (RO) Amendment of the APAC frequency allotment	Discussions with individual States on issues related to the frequency assignment plan Closure
11:30- 12:30	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
12:30- 13:30	Using Frequency Finder: Integrity Check, Navigating the COM List 3 (FF2A)	Using Frequency Finder; - Add, Modify or Delete frequency assignments from COM List 3 (FF4A)	Specific use of VHF COM frequencies in APAC Coordination procedure in APAC Interregional coordination	WRC Process WRC 23 Schedule	
13:30- 14:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
14:00- 15:30	Navigating through the COM List 3 (FF3A) •Exercise – Test frequency •Exercise – Compatibility Check in your State	Using Frequency Finder: Add, Modify or Delete frequency assignments from COM List 3 (FF4A) Cont.,	•Update COM List 3 data	NAV Module (FF NAV 1A) Update COM List 2 data	

Note: 0830-0900 on Monday, Registration of participants.

Reminder:

Before attending the workshop

Participants are encouraged to:

Install <u>the latest version of Frequency Finder software</u>(FF2023.02.RT.exe) to the computers

(https://www.icao.int/safety/FSMP/Documents/Forms/AllItems.aspx?RootFolder=%2fsafety%2ffsmp%2fdocuments%2ffrequencyfinder&FolderCTID= 0x012000B1461A5DA8C64241AA4DE4F91CB1D9AF)

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 <u>ICAO Doc 9718, Volume II</u>



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 Windows PC 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 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 accessible from the FF tool.
- →Global COM list 2, COM list 3 and Table of SSR Mode S II Codes are maintained by Regional Offices





