

# Frequency Management Workshop for Gulf Cooperation Council (GCC)

## Introduction



#### **Prepared by**

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



#### Reminder:

## Before attending the workshop

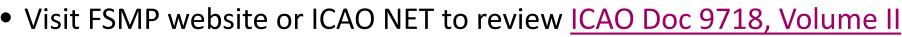
#### Participants are encouraged to:

• 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=0x012 000B1461A5DA8C64241AA4DE4F91CB1D9AF&View=%7BE11C4C29%2DDD83%2D4B87%2DAAAE%2D2330E3DE14D8%7D)

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

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





## 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!