

# Frequency Finder

## 4 Add, modify or delete frequency



Workshop

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## Add, Modify or Delete frequency assignment (1)

- Button *New or Mod or DEL Freq.*
  - Options:
    - 1 – New Frequency
      - Add a new frequency to the COM list 3
    - 2 – Add Frequency
      - Add a new frequency to the selected station
    - 3 – Modify Frequency
      - Modifies the selected frequency
    - 4 – Delete Frequency
      - Deletes the selected frequency
    - 5 – Cancel
      - Cancels modifying COM list 3

## Add, Modify or Delete frequency assignment (2)

- Button *New or Mod or DEL Freq.*
  - When adding a new frequency assignment or modifying an existing frequency assignment, initially a *draft* frequency assignment is created
  - The user can modify and test the draft frequency assignment as is considered necessary
  - When completed, the draft frequency assignment can be saved as a draft or as a registered frequency assignment (or deleted from the local COM list 3)

# Add, Modify or Delete frequency assignment (3)

## Add a new Frequency to COM list 3

- Button New or Mod or Del Freq. → New Frequency
- Opens window New/Mod Frequency
- Enter the following (essential) parameters:
  - Country name (from drop-down menu)
  - Location name
  - Latitude
  - Longitude
  - Service
  - Category
  - Frequency
  - Remarks
- Click button *TEST* to check compatibility of the new frequency

# Add, Modify or Delete frequency assignment (4)

## Add a new Frequency to a Station in COM list 3

- Button New or Mod or Del Freq. → Add Frequency
- Opens window New/Mod Frequency
- Already entered parameters (for the station)
  - Country name (from drop-down menu)
  - Location name
  - Latitude
  - Longitude
  - Category
  - Remarks
- Enter the following essential parameters:
  - Service
  - Frequency
  - Modify Remarks as necessary
- Click button *TEST* to check compatibility of the new frequency

# Add, Modify or Delete frequency assignment (5)

## Modify a Frequency in COM list 3

- Button New or Mod or Del Freq. → Modify Frequency
- Opens window New/Mod Frequency
- Already entered parameters (for the station)
  - Country name (from drop-down menu)
  - Location name
  - Latitude
  - Longitude
  - Category
  - Service
  - Frequency
  - Remarks
- Modify any of the parameters
- Click button *TEST* to check compatibility of the new frequency
- Modification is added to the table Historical

# Add, Modify or Delete frequency assignment (6)

## Delete a Frequency in COM list 3

- Button New or Mod or Del Freq. → Delete Frequency
- Dialog box to confirm deletion of the selected frequency
- Click *Delete*
- *If frequency assignment is registered:*
  - *Frequency assignment is functionally deleted (frequency is set to 0.000 MHz)*
  - *Deletion is added to the table Historical*
- If frequency assignment is a draft frequency
  - Frequency is physically deleted

## **Add, Modify or Delete frequency assignment (7)**

### **Create family of extended range facilities**

- Click the drop-down menu in the field ER family
- Select an existing ER family or create a new family
- ER facilities operate on the same frequency typically have overlapping coverage.
- ER facilities use the ICAO Standard Off-set carrier system (carrier frequency is slightly off-set)
- ER facilities are considered in Frequency Finder as not interfering between each other.



# Add, Modify or Delete frequency assignment (8)

## Area services

- Frequency assignments for area service can be linked to a specified geographical area (polygon)
- Frequency protection is provided (only) within the specified area.
- Within the geographical area new stations (extended range stations) can be added without the need for further frequency coordination.
- Extensive use is made of area services in the EUR Region (country wide, for ACC sectors)
- If desired, the use of areas to describe the protected coverage of area services can be implemented in the MID and APAC Regions.

# Add, Modify or Delete frequency assignment (9)

## Test new or modified frequency assignment

- The draft frequency assignment can be tested with the button *TEST* in the window *NEW/MOD frequency*.
- Test results (compatible/not compatible) are displayed when the test is completed.
- A summary of the test results is in the pane *Summary* and can be viewed with the tab *Co-frequency and Adj. Frequency*.
- Test result can be plotted with Google Earth with the button *Plot interference - All*.
- Detailed test results can be viewed with the button *Save Draft or Modified Freq. → View summary calculations*.
- Test results are also displayed in COM list 3 (Key prefix).

## Add, Modify or Delete frequency assignment (10)

### Search frequency (1)

- Frequency Finder can search for a new or a replacement frequency
- Two methods:
  - Search in a specified frequency band.
    - (Set START and END frequency).
    - Search in frequency range allotted to a specified service. (Select from Regional Frequency Allotment Plan).
- Select # of frequencies to be found
- Click button *START SEARCH*

# Add, Modify or Delete frequency assignment (11)

## Search frequency (2)

- Frequency Finder searches for compatible frequencies in the selected range or allotted frequency bands.
- Found frequencies are displayed in the fields *Frequencies Found*
- Margin is displayed in the fields *Margin (co- and adj.)*
- When the search is completed, the user should select the frequency with the smallest margin. Click in the relevant field *Frequencies found*
- The selected frequency is automatically tested.

Add, Modify or Delete frequency assignment (12)

## Save it as a draft or a registered freq

- When completed of new, add, modify or delete freq, it is required to save it as
  - a) a draft frequency** or
    - When you need to continue to work on this
  - b) a registered frequency**
    - When you finish your work

Add, Modify or Delete frequency assignment (13)

## Export submission

When you saved it as a registered frequency:

**Need to report those modifications to Regional Office.**

- Click **“Export Submission”** when you are ready.
- Select **“cancel”** or **“e-mail”**

*Click “Email”, then Frequency Finder automatically open a folder which includes excel files for your submission preparation. You need to select a file which includes the latest data you added/modified/deleted and attach the file to your e-mail . Then, send this e-mail to Regional officer.*

*Note.- please ensure that you will not download any updates from servers before sending this file to avoid the situation of losing any of your modifications.*