



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



Frequency Finder

2 Integrity check, COM list 3 and Query

Prepared by

Loftur Jónasson, ICAO/HQ
Mie Utsunomiya, ICAO/HQ
Fabiola Chouha, ICAO/HQ
Isaiah Tefutor, ICAO/HQ
Robert Witzen

Home Page → VHF COM list 3 (1)

- “Go to COM list 3” triggers the integrity check.
- COM list 3 is the main page to:
 - Add, modify, delete frequency assignments
 - Browse and Query COM list 3
 - Test compatibility of frequency assignments
 - View calculation results
 - Export database or parts of it



Home Page → VHF COM list 3 (2)

Integrity Check

Find records same Key (partially duplicates)	→	Request user which record to keep
Find records with empty essential fields	→	User intervention (keep/repair)
Records outside the range 117.975 – 137 MHz	→	User intervention (keep/repair)
Find draft records	→	User intervention (keep/convert/delete)

VHF COM list 3 (3) Buttons (1)

5

The screenshot shows the 'COM list 3 for VHF COM air/ground frequency assignments in the band 117.975 - 137 MHz' interface. At the top, it displays 'FF_2023_01 Runtime' and 'Active Region ==APAC'. The interface includes several navigation buttons: 'Start' (home icon), 'Home' (house icon), 'Delete Record' (red button), 'NEW/MOD Frequency' (blue button), 'TEST frequency' (green button), 'Calculation results' (green button), 'Global COM list 3' (orange button), 'SELECT' (orange button), 'MAPPING' (blue button), 'Export COM list 3' (green button), 'APAC COM List 3' (orange button), 'Query' (green button), 'Special Functions' (blue button), 'Quick Find' (yellow button), and 'Reset' (blue button). A search bar is located below the buttons. The table below shows frequency assignments for Afghanistan (AFG) in the APAC region.

MOD	Key	Region	Frequency	Country	Location	Latitude	Longitude	DOC	FIR Sector	PolyID	Extended Range	F	Cat
R	402371	APAC	118.100	Afghanistan	AFG	BAMAYAN	34D38'36" N	067D49'14" E	FIS-U C-260/450				NAT
R	402372	APAC	118.100	Afghanistan	AFG	CHAKHCHARAN	34D32'00" N	065D16'00" E	FIS-U C-260/450				NAT
R	402374	APAC	118.100	Afghanistan	AFG	HERAT	34D12'00" N	062D13'00" E	FIS-U C-260/450				NAT

- Navigation buttons:

- Start Go to Start Page of Frequency Finder
- Home Go to Home Page VHF COM of Frequency Finder
- DU Find recently downloaded frequency assignments
- D Find draft frequency assignments

- Query/Find buttons

- Global COM list Display the Global COM list 3
- Regional COM list Display the Regional COM list 3 for the Active Region
- Query Start query the COM list 3
- Select Select specific frequency assignments from COM list 3
- Active Find Return last Query/Selection

VHF COM list 3 (4) Buttons (2)

6

The screenshot shows the 'COM list 3 for VHF COM air/ground frequency assignments in the band 117.975 - 137 MHz' interface. It includes a top navigation bar with 'Start' and 'Home' buttons, a 'Delete Record' button, and a 'NEW/MOD Frequency' button. Below these are 'Global COM list 3' and 'APAC COM List 3' buttons, along with 'SELECT' and 'Query' buttons. A 'MAPPING' button is also present. On the right, there are 'TEST frequency', 'Calculation results', 'Export COM list 3', and 'Special Functions' buttons. A '- Export submissions -' button is at the bottom right. The main area displays a table with columns: MOD, Key, Region, Frequency, Country, Location, Latitude, Longitude, DOC, FIR Sector, PolyID, Extended Range, F, and Cat. The table contains three rows of data for frequencies 402371, 402372, and 402374, all in the APAC region and Afghanistan.

MOD	Key	Region	Frequency	Country	Location	Latitude	Longitude	DOC	FIR Sector	PolyID	Extended Range	F	Cat
R	402371	APAC	118.100	Afghanistan	BAMAYAN	34D38'36" N	067D49'14" E	FIS-U C-260/450					NAT
R	402372	APAC	118.100	Afghanistan	CHAKHCHARAN	34D32'00" N	065D16'00" E	FIS-U C-260/450					NAT
R	402374	APAC	118.100	Afghanistan	HERAT	34D12'00" N	062D13'00" E	FIR-U C-260/450					NAT

- **Functions (buttons):**
 - New or Mod or Del Freq.: Adds, modifies or deletes frequency assignment
 - Test Frequency Test compatibility of single frequency or selection
 - Mapping Displays on map coverage of single or found frequencies
 - Calculation results Display calculation results of recent and previous
 - Export COM list 3 Export COM list 3 (or a selection) in FileMaker or Excel format
- **Special Functions (drop down menu):**
 - Go to Table Historical Display the table Historical
 - Integrity check – restart Restarts the Integrity Check manually
 - Undo submissions Undo submissions (To cancel submissions)

VHF COM list 3 (5)

Query / Select (1)

- Query/Select buttons
 - Query Start query the COM list 3
 - Select Select specific frequency assignments from COM list 3
 - Active Find Return last Query/Selection

VHF COM list 3 (6)

Query (1)

- Query button – start query page Query database
 - Select Region
 - If no country is selected, button **Find** returns COM list 3 for the selected Region
 - Select Country (optional) –
 - If no Location is selected, button **Find** returns COM list 3 for the selected country
 - Select Location (optional) –
 - Button **Find** returns the COM list 3 for the selected Location

VHF COM list 3 (7)

Query (2)

- Query button – start query page Query database
 - Select Region
 - Select Country (optional)
 - Select Location (optional)
 - Select either Frequency, Service or FIR Sector (optional, selection is mutually exclusive)
 - Click button *Find*

VHF COM list 3 (8)

Query (3)

- Query – Select Frequency, Service or FIR Sector
 - Selection of Frequency, Service or FIR Sector is mutually exclusive. Only one (1) parameter can be selected.
 - Button **Find** returns the COM list 3 with the found frequencies, Services or FIR Sectors for the selected:
 - Region, If no Country/Location was selected
 - Country, if no Location was selected
 - Location, if a Location was selected
- Button New Query – Enter or re-enter query parameters
- Button Modify/Redo last find: Enters the query parameters for the most recent query
- Button Regional COM list 3 – Returns the COM list 3 for the Active Region

VHF COM list 3 (9)

Selection (1)

- Button *SELECT*

1. Click button *SELECT* to select current (active) frequency



2. Click any other frequency assignment to be added to the selection

3. When selection is complete, click button "*ADD RECORDS*"
This means "Selection active"



4. Click button "*Reset*", to remove the selection.



5. Button "*Active Find*" becomes active for quick redo of the selection/find



6. Click button "*Reset Select*" to remove the selection completely



7. Button *SELECT* gets white background and returns the manual selection of frequency assignments.



Exercises- Query



Thank You!