



# FREQUENCY FINDER



**QUICK REFERENCE GUIDE**

**Version 2016  
September 2016**

**View Routes:**  
Plot air routes on a map (separate manual)  
Displays the version Frequency Finder

**View Routes:**  
Click button to access website Regional Office  
**Websites Regional Offices:**  
Opens the website of the selected Regional Office on the main ICAO website www.icao.int

**View User Manual**  
**View Sync Manual**

**Start page - Select system**

**Applications**  
VIEW ROUTES

**Start page for frequency assignment planning for CNS systems**

**The ICAO Regional Offices are responsible**  
Select Active Region through a dialog box (User Manual §3.3.3)  
Active Region  
==MID

**Web site for the Frequency Spectrum Management Panel**  
**ICAO web site for frequency assignments**  
**Install Google Earth**

**VHF COM** **VHF NAV** **NDB** **HF COM** **SSR II**

**Access to FF modules for COM lists**

**Frequency Finder Modules:**  
**VHF-COM:** 117.975 – 137 MHz  
**VHF NAV:** 108 – 117.975 MHz (partially)  
**NDB:** 200 – 525 kHz (in preparation)  
**HF:** 2.8 – 30 MHz (in preparation)  
**SSR II:** SSR Mode S II codes (partially)

**Click for quick access to websites**

**Access to:**  
**FSMP:** Frequency Spectrum Management Panel  
**Frequency Assignments:** ICAO Global COM lists  
**Google Earth:** For installing Google Earth

**Access to folders containing files relevant to using Frequency Finder:**

**Access to folders used by Frequency Finder**  
**Kml (temp)** contains temporary kml files for display with Google Earth. User Manual §3.4.1.1 and §3.4.1.2  
**FrequencyFinder:** C:/FrequencyFinder. Contains Frequency Finder, backup files and other relevant information. User Manual §2.9.5  
**ICAOfrequencydownload:** C:/Icaofrequencydownload. This folder is being deprecated

## START PAGE FREQUENCY FINDER

The screenshot shows the 'Frequency Finder' application interface. At the top, it displays 'VHF COM air/ground communication systems 117.975 - 137 MHz'. The user is logged in as 'Regional Office' and has selected the 'EUR' region. The interface includes a 'Download' button for 'COM list 3' and a 'Sync Safire' button. A 'LOCAL BACK UP' section is visible on the right, with a 'Recover from local back-up' area below it. The main content area shows synchronization logs for various regions and polygons.

Annotations and callouts include:

- Return to Start Page
- Select Active Region (User Manual 3.3)
- Connection status (User Manual 4.1.6)
- Enter URL for ICAO Server (User Manual 4.1.7)
- Download COM list 3 (User Manual 4.3)
- Sync Safire (Uploads Safire frequency assignments and polygons; Displays most recent download synchronization)
- Synchronization check (User Manual 4.1.6)
- Go to COM list 3: (AFI, PAC, CAR, EUR - Active Region, MID, SAM, GLOBAL)
- Go to Regional COM list 3 for the ACTIVE Region (User Manual 4.1.2)
- Go to the Regional COM list 3 for the selected Region (User Manual 4.1.2)
- Go to the Global COM list 3 (User Manual 4.1.2)
- Displays upload timestamp and modification status (User Manual 4.3)
- Messages (User Manual 4.1.8)
- Recover from specified back-up (User Manual 4.4.4)
- Create new back-up (User Manual 4.3.2)
- Reset back-up list (User Manual 4.4.2)

## HOME PAGE VHF-COM (COM list 3)

Note: The button Sync Safire is only displayed when the Active Region is set to EUR. (Version for Regional Offices)

**Annotations and Callouts:**

- Return to Start Page
- Select Active Region (User Manual 4.3)
- Connection status (User Manual 4.1.6)
- Download (User Manual 4.5)
- Downloaded COM list 3 (User Manual 4.5)
- Synchronization (all times in UTC; dd/mm/yyyy hh:mm:ss):
  - Recent download from Global COM list 3 and Global table of polygons: Download COM 15/09/2016 13:12:54 UTC, Global COM list 3 modified
  - Download ICAO FIR: 02/09/2016 0:29:52 UTC
  - Download Poly Safire: 08/09/2016 14:57:33 UTC
  - Table of Polygons synchronized
- Displays most recent download synchronization
- Create new back-up (User Manual 4.3.2)
- LOCAL BACK UP (R) - Rest. back-up list (User Manual 4.4.2)
- Recover from local back-up (dd/mm/yyyy)
- Recover from specified back-up (User Manual 4.4.4)
- Messages (User Manual 4.1.5)
- Displays upload timestamp and modification status (User Manual 4.5)
- Go to the Regional COM list 3 for the selected Region (User Manual 4.1.2)
- Go to the Global COM list 3 (User Manual 4.1.2)
- Go to Regional COM list 3 for the Active Region (User Manual 4.1.2)
- Synchronization check (User Manual 4.1.6)
- Check Sync (User Manual 4.1.6)
- Go to COM list 3: AFI, APAC, CAR, EUR (Active Region), MID, SAM, GLOBAL
- Frequency Finder version 2016.5 is available. This can be downloaded from the FMP website. http://www.icao.int/safety/fmp. Go to Documents -> Frequency Finder and download FF2016.5.R.

## HOME PAGE VHF-COM (COM list 3)

Note: The button Sync Safire is only displayed when the Active Region is set to EUR. (Version for use by States)

## 4.5.2 Data fields for COM list 3 (VHF air/ground communications)

**Frequency:** Frequency (MHz). Blue background indicates 8.33 kHz channel

**Country:** Name of the country the country responsible for the station (ICAO Name/Code)

**Latitude/Longitude:** Coordinates of the ground station

**FIR Sector; §4.5.2.3:** Name of the FIR, ACC or other area sector(s)

**Ch-date:** Date of the entry of the modification to the global COM list 3

**CAT (category) = ICAO or NAT**

**Region:** Region within which the relevant ICAO Regional Office coordinates the assigned frequency:  
 AFI (ESAF; Nairobi and WACAF; Dakar Offices)  
 APAC (APAC Office; Bangkok)  
 CAR (CAR/NAM Office; Mexico City)  
 EUR (EUR/NAT Office; Paris)  
 MID (Middle East Office; Cairo)  
 SAM (SAM Office; Lima)

**Key; §4.5.2.2:** Unique key number assigned to each frequency. Blocks of Key numbers have been allocated to each Region

**Key prefix; §4.5.2.2:**  
 R = Registered frequency  
 D = Draft frequency  
 Yellow: Not tested  
 Green: Compatible  
 Red: Not compatible

**US (Upload Status); §4.5.2.1:**  
 Empty = Registered frequency synchronized with Global COM list  
 N = Locally registered frequency ready for uploading to Global COM list  
 M = Locally modified frequency ready for uploading to Global COM list  
 D = Locally deleted frequency ready for uploading (deletion) to Global COM list  
 DR = Draft frequency that is associated with a registered frequency  
 DN = Draft new frequency that is not associated with a registered frequency

**Location**  
 Location name of the station

**Extended Range; §4.5.2.4:** Name of the family of extended range facilities  
 E.g. ER-TCO-01

**PolyID; §4.5.2.3:** Number of the polygon(s) in the table PolyEUR which contain(s) the coordinates describing the area covered by the polygon(s)

**DOC:** Designated Operational Coverage. Service type followed by the Designated Operational Range (NM) and Designated Operational Height (ft/100).  
 A=Area  
 B=Broadcast  
 C=Circular  
 U=Unprotected

**Ch-By:** Name of the person or the (Windows) name of the computer from where the modifications were entered

**Remarks:** Any remark relevant to the frequency assignment

Sorts the table

**Note:** The field Stat may be removed from the Global COM list in the future

UR	Key	Region	Frequency	Country	Location	Latitude	Longitude	DOC	FIR Sector	PolyID	Extended Range	Cat	Stat	Remarks	Ch-By	Ch-Date	
01	10205	APAC	123.200	Bangladesh	IKSORE	23 21.00" N	090210" E	TWR C-25/40				NAT				01/01/1999	Expert
02	10207	APAC	123.400	Bangladesh	KAPTAN	00 00'00" N	000000'00" E	TWR C-25/40				NAT				01/01/1999	Expert
03	10208	APAC	123.800	Bangladesh	KHULNA	00 00'00" N	000000'00" E	TWR C-25/40				NAT				01/01/1999	Expert
04	10209	APAC	123.400	Bangladesh	KUSHTIA	00 00'00" N	000000'00" E	TWR C-25/40				NAT				01/01/1999	Expert
05	10210	APAC	122.200	Bangladesh	KHASARPUR	00 00'00" N	000000'00" E	TWR C-25/40				NAT				01/01/1999	Expert
06	10211	APAC	122.800	Bangladesh	KYMEHSINGH	00 00'00" N	000000'00" E	TWR C-25/40				NAT				01/01/1999	Expert

# Data fields VHF COM list 3

### 4.5.3 Buttons for COM list 3 (VHF air/ground communications)

**Start:** Go to Start Page FF

**Home:** Go to Home Page COM list 3

**Active Find:** Click to return recent Query or Selection

**Active Region:** §3.3.3 Displays active Region

**Test Frequency; §4.9:** Test compatibility of selected or found frequency assignments

**Calculation results; §4.8.6:** View summary of compatibility calculations

**User Manual:** View the User Manual

**Sync Manual:** View the Synchronization Manual

**Start Home** | **Global COM list** | **Regional COM list** | **Active Find** | **New or Mod frequency** | **TEST FREQUENCY** | **Calculation results** | **Upload** | **User Manual** | **Sync Manual** | **ST**

**SELECT** | **MAPPING** | **Export COM list 3** | **Special Functions** | **Webviewer**

Query active.  
To return query click button "Active Find"  
To cancel query; click button "Select" and "Clear"

UI	Key	Region	Frequency	Country	Location	Latitude	Longitude	DOC	FIR	Sector	PolyID	Extended Range	Cat	Stat	Remarks	ddmm/yyyy	Ch-date	Ch-By
R	410245	APAC	122.400	Cambodia	BATTAMBANG	00000'00" N	00000'00" W	AFIS C-35/250					NAT				01/01/1999	Expert
R	410749	APAC	122.700	Cambodia	KAMPONG CHNANG	12015'00" N	10403'00" E	TWR C-25/40					NAT				07/11/2003	LUPENG
R	410248	APAC	120.000	Cambodia	PHNOM PENH	11033'00" N	10405'00" E	APP-I C-75/250					ICAO				01/01/1999	Expert
R	413962	APAC	121.650	Cambodia	PHNOM PENH	11033'00" N	10405'00" E	AS C-5/1					NAT	FI June03			07/11/2003	LUPENG
R	413963	APAC	121.750	Cambodia	PHNOM PENH	11033'00" N	10405'00" E	AS C-5/1					ICAO	June03			07/11/2003	LUPENG
R	410249	APAC	121.800	Cambodia	PHNOM PENH	11033'00" N	10405'00" E	APP-I C-75/250					NAT				01/01/1999	Expert

**Export COM list 3; §4.7:** Export the selected frequency assignments in the format of the ICAO COM list 3 in different file formats

**Mapping; §4.8:** Plot coverage of single or found frequency assignments on a map

**New/Mod frequency; §4.10:** Introduce a new or modify/delete an existing frequency assignment

**Query COM list 3; §4.6.2:** Query local COM list 3

**Select; §4.6.3:** Select (manually) frequency assignments

**Global COM list; §4.5.3.1.2:** View all frequency assignments in the Global COM list

**Regional COM list; §4.5.3.1.3:** View COM list for the active Region (all frequency assignments)

**D; §4.6.1:** Find draft frequency assignments

**DU; §4.6.4:** Find recently downloaded or uploaded frequency assignments.

**Special Functions; §4.12:** Select Special functions from drop-down list

**Webviewer; §4.11:** Go to window Webviewer to view ICAO frequency website

**Upload Regional Office; Sync Manual Ch.4:** Uploading to Server Global COM list of new, modified or deleted frequency assignments.

**ITU; §4.5.3.1.1 and App. F:** ITU T12/T13 Notices

**“Connected”:** Shows if Frequency Finder is connected to the FileMaker Pro Network Shows “Runtime” for runtime versions of Frequency Finder

**Sorts the table**

**Buttons with a red marking in this diagram are only functional and presented in the full version of Frequency Finder for use by the ICAO Regional Offices**

## Buttons VHF COM list 3

## 4.6.2 Query COM list 3 (VHF air/ground communications)

Home: Go to Home Page COM list 3

Regional COM list: Go to Regional COM list; cancels query

New Query; §4.6.2.2: Resets current query parameters; Enter the parameters for a new query

FIND; §4.6.2.2: Perform query (find) with the selected parameters

1. Select criteria for the query from the fields in the blue box  
 2. Select geographic parameters (Region, Country Location) first, if required  
 3. Select frequency, service or FIR  
 Note: combinations of frequency, service and sector are not permitted since these may result in non-matching find criteria.  
 Select only Frequency OR Service OR FIR Sector.  
 4. Press FIND

Use this window to only enter criteria for your query

VHF.COM VHF.COM CN/AD'S VHF COM Frequency Assignment Planning VHF.COM VHF.COM Frequency Finder has been activated for the Region ==EUR

Select Region §4.6.2.1.1: Click to select the Region from which the COM list is queried.

R: Reset the selection

Select Location; §4.6.2.1.1: Select the location for which the COM list is queried

Select Country; §4.6.2.1.1: Select the country for which the COM list is queried

Select FIR Sector; §4.6.2.1.2: Select the FIR sector (or other area sector) to be queried; only area sectors in use in the Region, Country or Location can be selected

Select Service; §4.6.2.1.2: Select the Service to be queried; only Services in use in the Region, Country or Location can be selected

Select Frequency; §4.6.2.1.2: Select the frequency to be queried; only frequency assignments in use in the Region, Country or Location can be selected

[Modify/redo] last find; §4.6.2.2: Re-set the query parameters in the box "Query database". Modify parameters as necessary and click button "FIND"

Note: the parameters select Frequency, select Service and select FIR sector are mutually exclusive.

# Query COM list 3

## 4.7.1 Buttons and fields for exporting COM list 3 (VHF air/ground communications)

**Region:**  
Region from which the frequency assignments are exported

**Date**  
Date of creation of the export

**Regional COM list:**  
Returns the COM list 3

**Print**  
Prints the selected export from the local computer.  
Set printer to *Landscape printing*

**File Name:**  
Name of the file that is created when the list is exported.  
(Format date yy-mm-dd)/region/time

**Select Sort Order**  
Select (or modify) the sort order  
Sort options:  
Country-Location-Frequency  
Frequency-Country-Location

**Select Export Format:**  
Format options:  
FileMaker  
Excel  
XML  
CSV  
PDF (not in runtime)

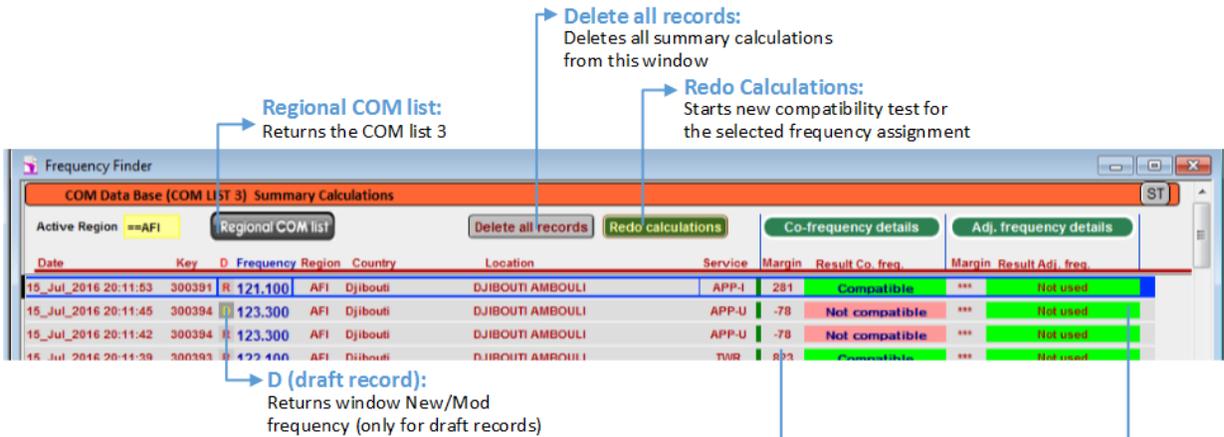
When the export format is selected, Frequency Finder saves the relevant files in the following directories:

File format	Directory
FileMaker	C:/FrequencyFinder/SaveFMP
Excel	C:/FrequencyFinder/SaveExcel
XML	C:/FrequencyFinder/SaveExcel
CSV	C:/FrequencyFinder/SaveExcel
PDF	C:/FrequencyFinder/SavePDF

**Fields placed in the export file:**  
Country  
Ctry (abbr.)  
Location  
Service  
Frequency  
Latitude  
Longitude  
Category  
Status (to be removed)  
Cond. (to be removed)  
Remarks  
ChDate  
ChBy  
Key  
PolyID  
FIR name

## Export COM list 3

#### 4.9.6.1.1 Buttons and fields on window Summary Calculations



Field name	Description
Date	Date and time stamp of the test
Key	The unique Key # of the frequency assignment that has been tested
D	Registration status: <ul style="list-style-type: none"> <li>D=draft frequency assignment</li> <li>E=registered (permanent frequency assignment)</li> </ul>
Frequency	The frequency assignment that has been tested
Region	The Region of the location of the station that has been tested
Country	The country of the location of the station that has been tested
Location	The location of the station that has been tested
Service	The type of service that is provided by the station that has been tested
Margin	Margin (NM) of the station being tested with other stations operating on the same frequency
Result	Summary of the test results
Margin	Margin (NM) of the station being tested with other stations operating on the same frequency
Result	Summary of the test results

**Calculation details:**  
Co-frequency: navigates to window with detailed calculations for co-frequency compatibility  
Adjacent frequency: navigates to window with detailed calculations for adjacent frequency compatibility

**Margin/Result:**  
Margin > 0 → Compatible  
Margin < 0 → Not compatible  
Margin = \*\*\* → Not used  
Margin = N/A → No assessment (e.g. for Extended range facilities, AOC or other unprotected applications)

## Summary calculations

### 4.9.6.2.2 Buttons and fields for co-frequency compatibility assessment

**4/2 records:**  
Total # records found (4)  
#records displayed (2)

**Regional COM list:**  
Returns the COM list 3

**Calculation details – adjacent frequency**  
Navigate to the window with the detailed adjacent frequency compatibility calculations

**Show all records**  
Click to show the results of all compatibility calculations

**Plot interference – all:**  
Plot coverage and result of compatibility assessment, including interference contours for all records in the table

**Summary calculations:**  
Navigate to the window with the summary of compatibility calculations

Record	Region	Country	Frequency	Range	Height	Radio Horizon	Location	Sector name	Latitude	Longitude	Service	Ext. range
1	SRD	Egypt	121.500	50	12000	0	HURGHADA INTL		27D0719" N	33C0825" E	EM DOC EM SA	
2	SRD	Egypt	121.500	50	12000	130	MERSA ALAII		28D0700" N	33C0830" E	APPL DOC APPL C-0312E	
3	AFI	Egypt	121.500	50	12000	0	HURGHADA		27D1130" N	33C0830" E	EM DOC EM	
4	AFI	Egypt	121.500	50	12000	0	MERSA ALAII		28D0700" N	33C0830" E	EM DOC EM	

**Message 1; §4.9.6.2.4**  
For record 1: indicates incompatibilities with records 2 and higher (if any)  
For record 2 and higher: Indicates how the required distance is calculated/measured

**Actual distance:**  
Distance between station in record 1 and current record measured as in Message 1

**Required distance:**  
Minimum required distance between the station in record 1 and the current record measured as in Message 1.

**Margin; §4.9.6.2.5**  
Difference between the actual distance and the required distance of the first and the current record.  
A negative value indicates potential interference

**Plot interference; §4.9.6.2.6**  
Plot the results of the compatibility assessment for the current record. The current record is the record against which the first record is being tested.

**Plot coverage:**  
Plot the coverage for the first record. The first record is the record that is being tested.

**Message 2:**  
Describes Service and coverage (circular/area)

**Ext range; §4.5.2.4, §4.10.2.2.5**  
Identifies the extended range network

## Co-frequency compatibility – Details

### 4.9.6.3.2 Buttons and fields for adjacent frequency compatibility assessment

**4/2 records:**  
Total # records found (4)  
#records displayed (2)

**Regional COM list:**  
Returns the COM list 3

**Calculation details – co-frequency records**  
Navigate to the window with the detailed co-frequency compatibility calculations

**Show all records**  
Click to show the results of all compatibility calculations

**Summary calculations:**  
Navigate to the window with the summary of compatibility calculations

**Plot interference – all:**  
Plot coverage and result of compatibility assessment, including interference contours for all records in the table

**Actual distance:**  
Distance between station in record 1 and current record measured as in Message 1

**Message 1; §4.9.6.3.2.1**  
For record 2 and higher: Indicates how the required distance is calculated/measured

**Required distance:**  
Minimum required distance between the station in record 1 and the current record measured as in Message 1.

**Margin; §4.9.6.3.2.3**  
Difference between the actual distance and the required distance of the first and the current record. A negative value indicates potential interference

**Plot interference; §4.9.6.2.6**  
Plot the results of the compatibility assessment for the current record. The current record is the record against which the first record is being tested.

**Plot coverage:**  
Plot the coverage for the first record. The first record is the record that is being tested.

**Message 2; §4.9.6.3.2.2**  
As described in the User Manual

## Adjacent frequency compatibility – Details

#### 4.10.2.2 Buttons and data fields for the box Station

**Location; §4.10.2.2.2**  
Select Location from drop-down menu or type new location name

**Country/Service; §4.10.2.2.2**  
Select Country and Service from drop-down menu

**‡ : Required fields**  
Information that **MUST** be entered

**Latitude/Longitude:**  
Enter coordinates for the ground station, including any leading zero

**Select category; §4.10.2.2.2**  
Select Category from drop-down menu.  
Options: ICAO or NAT

**Frequency:**  
Select frequency from drop-down menu

**Channel spacing:**  
Select channel spacing to set drop-down menu  
Frequency to 25 kHz or 8.33 kHz channels

**Region** AFI **Key** D 300394 **Cat** NAT **Channel spacing** 25 kHz / 8.33 kHz

**Country** Djibouti **Ctry** DJI

**Location** DJIBOUTI AMBOULI

**Latitude** 11 D 33 ' 00 " N **Frequency** 123.300

**Longitude** 043 D 10 ' 00 " E

**Service** APP U **DOC** APP-U C-150/450 (Drop down disabled) **ER family** Example: ER-BOT-1

**Cond** OP **MOD Range (NM)** 150 **MOD Height (feet)** 45000

**Stat** **PolyID**

**Required fields** FIR SECTORNAME **DOC - See § 4.10.2.2.3**

**Remarks** Precision approach radar **Upload Status** DR

**TEST** The selected frequency is NOT compatible. **Test completed**

**Test; §4.10.2.2.6**  
Start compatibility test of the new or modified frequency assignment

**Remarks:**  
Select Remarks from drop-down menu or type new remarks

**Message; §4.10.2.2.6:**  
Message showing the (in-)compatibility of the frequency assignment. If empty, no test has been performed

**ER family; §4.10.2.2.5:**  
Extended range network  
Select ER family name from drop-down menu or type new family name

**PolyID; §4.10.2.2.4**  
Enter PolyID number from drop-down menu or type as selected from list. Multiple PolyID numbers can be added.  
FIR sectorname is displayed after PolyID has been entered.

## New/MOD frequency – Box Station

### 4.10.2.3 Buttons and data fields for the box Find Frequency

**Set frequency range; §4.10.2.3.2**  
Insert start and end range of frequencies for the search for a new frequency

**OR**

**Frequency allotment plan; §4.10.2.3.2**  
Select pool of frequencies allotted for the relevant service

**Frequencies found**  
Displays the frequencies found during the search

**Margin co-frequency**  
Displays margin to the nearest co-frequency station

**Margin adj-frequency**  
Displays margin to the nearest adjacent frequency station

**If no selection has been made the search is from 118.000 – 136.975 MHz**

**Find Frequency**

Search range: 117.999...136.978 MHz

START SEARCH

Searching  
Search completed

120.575

Frequencies found	Margin co-freq	Margin ad-freq
FF1 118.550	...	...
FF2 118.575	...	218
FF3 119.325	...	104
FF4 119.350	196	...
FF5 119.375	...	136
FF6 120.550	...	...
FF7 120.575	...	...
FF8		
FF9		
FF10		

# FOUND frequencies: 7

Margin in NM

Selected frequency: 119.350 Allotted to ACC-U

**Message**  
Displays Searching during search  
Search completed when search is finished

**Message**  
Displays actual frequency being tested during search

**Select # of frequencies**  
Select from the drop-down menu the maximum number of possible frequencies that should be searched for (from 1 – 10).

**Select frequency**  
Select the frequency to be assigned

**Displays selected frequency**  
Displays the selected frequency and the pool to which this frequency is allotted. The selected frequency is entered into the field **Frequency** in the box **Station**

**To search for one or more frequencies:**  
Select channel spacing in box **Station**  
Set frequency range or select allotment  
Select number of frequencies to search  
Click button **START SEARCH**; §4.10.2.3.3

**For efficient frequency assignment planning select the frequency with the smallest margin**

## New/MOD frequency – Box Search Frequency

#### 4.10.2.5 Buttons and data fields for the toolbar in the window NEW/MOD frequency

**Message; §4.10.2.2.2**  
Warning in case no download synchronization was performed before modifying the local COM list 3

**Message; §4.10.2.2.2**  
Displays the type of modification:  
New frequency assignment  
Modified frequencyassignment

**Active Region; §4.10.2.2.2**  
Displays the active Region

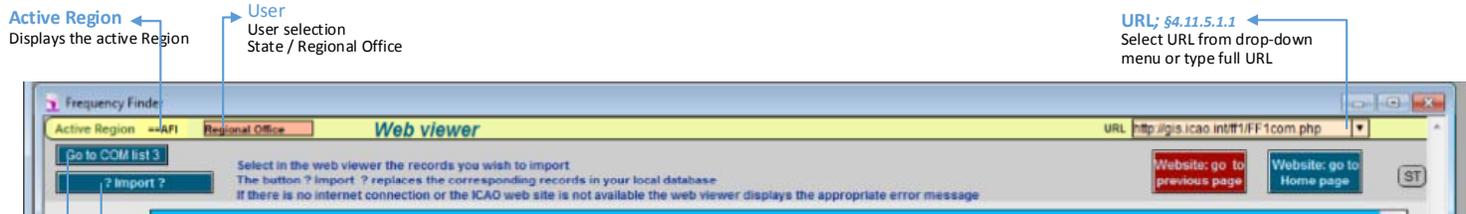
**Message; §4.10.2.2.2**  
Displays the user type:  
State  
Regional Offcie  
Note State users have limited capabilities for synchronization with Global COM list

**Save Draft or Modified frequency**  
From the dropdown menu, the user can:  
Save the modifications as a local registered frequency assignment  
Save the modification as a local draft frequency assignment  
Delete the draft frequency assignment  
View the window summary calculation \*  
Go to the Regional COM list \*

\* Saves the modification as a local draft frequency assignment

## New/MOD frequency – Toolbar

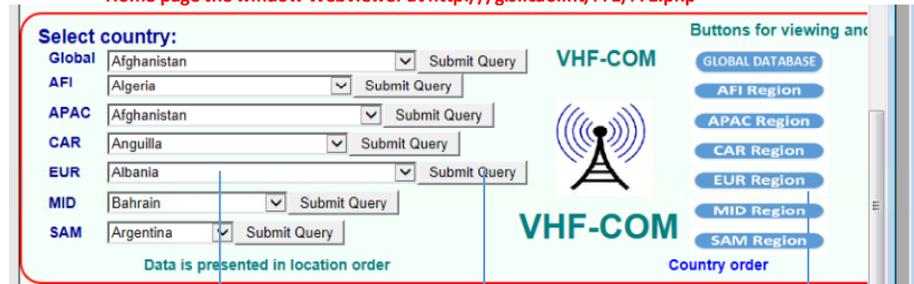
4.115 Buttons and data fields for the toolbar in the window Webviewer; presentation of ICAO frequency website



**Import §4.11.5.1.2**  
Import the selection of frequency assignments from the Webviewer into the local COM list 3

**Go to COM list 3**  
Navigate to the window COM list 3

Home page the window Webviewer at <http://gis.icao.int/FF1/FF1.php>



**XXX Country**  
Click to select country from dropdown menu

**XXX Country**  
Click to submit Query

**XXX Region**  
Click to download in the Webviewer the Regional COM list 3 or the Global COM list 3

Details for a frequency assignment as displayed on the website with the Webviewer

Name	Details
Drift record	E
Filey	501070
Region	CAR
Country (full name)	Costa Rica
Country abbr.	CTR
Location	ALAJUELA Juan Santamaria Intl
Frequency (MHz)	132.000
Service	AOC
DOC	AOC U-100/100
Latitude	09D59.49' N
Longitude	084D12'36" W
Extended range	
FIR name	
Polygon ID (EUR)	
Polygon remarks	
Remarks	25NM; 36W; FEDEX
Change date	25/09/1983 2:03:04
Change by	
Category (ICAO/NAT)	NAT
Status (OP/NOP)	
Remarks CNS	
Cond (delete ?)	OP
Height (max.) delete ?	10000
Range (max.) delete ?	123
Country (to be deleted)	COSTA RICA
Record ID	387055
To add: fractional degrees	
To add: UTM (Mercator) coordinates	
To add: knmi files?	
ITU Notices	

**View**  
Click to view details for single frequency assignment

Selected (single) country assignments (select country and click Submit Query)

E	Filey	Region	Country	CTR	Location	Frequency	Service	DOC	Latitude	Longitude
E	50000	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	119.600	APP-L C-50/120	09D59'36" N	084D12'32" W	
E	50058	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	120.500	APP-L C-50/120	09D59'36" N	084D12'32" W	
E	50001	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	121.300	TWR C-25/40	09D59'36" N	084D12'32" W	
E	50070	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	121.900	AS C-5/1	09D59'36" N	084D12'32" W	
E	50000	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	126.800	FIS-U C-260/450	09D59'36" N	084D12'32" W	
E	50001	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	127.300	ATIS B-260/450	09D59'36" N	084D12'32" W	
E	50102	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	127.900	ACC-I C-191/250	09D59'36" N	084D12'32" W	
E	50103	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	131.550	AOC U-100/100	09D59'36" N	084D12'32" W	
E	50106	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	131.725	AOC U-100/100	09D59'36" N	084D12'32" W	
E	50107	CAR	Costa Rica	CTR	ALAJUELA Juan Santamaria Intl	132.000	AOC U-100/100	09D59'45" N	084D12'36" W	
E	50081	CAR	Costa Rica	CTR	BUENA VISTA CENAMER ACC	124.100	ACC-U C-261/450	09D36'24" N	083D35'28" W	

# Webviewer window