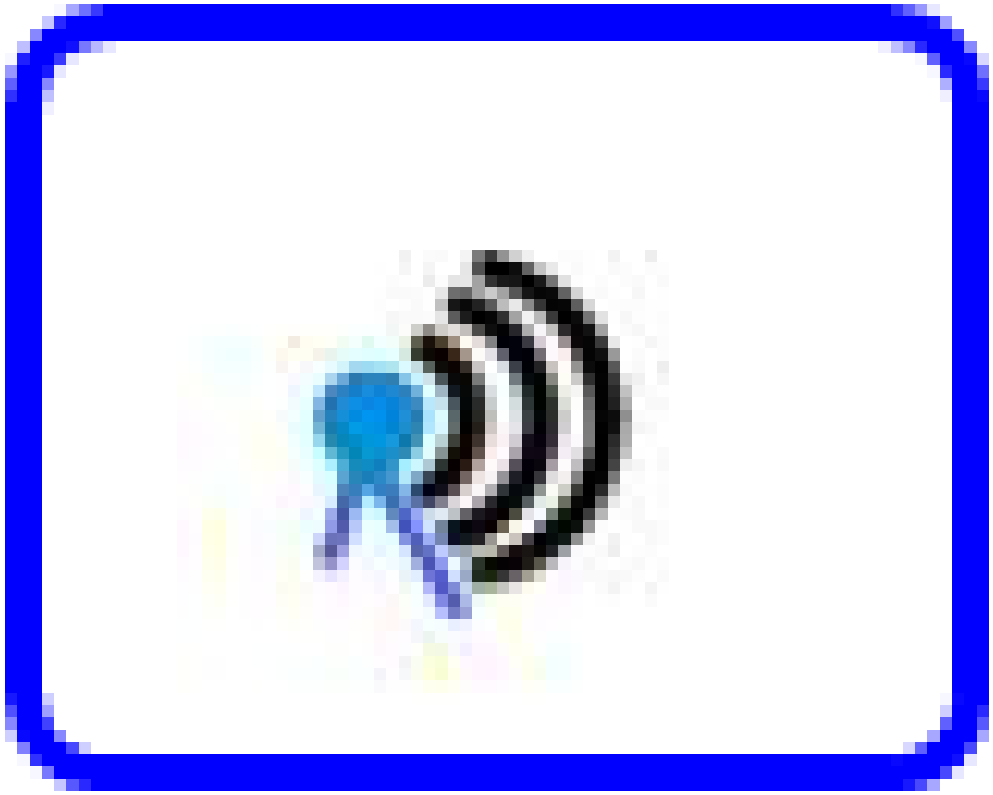
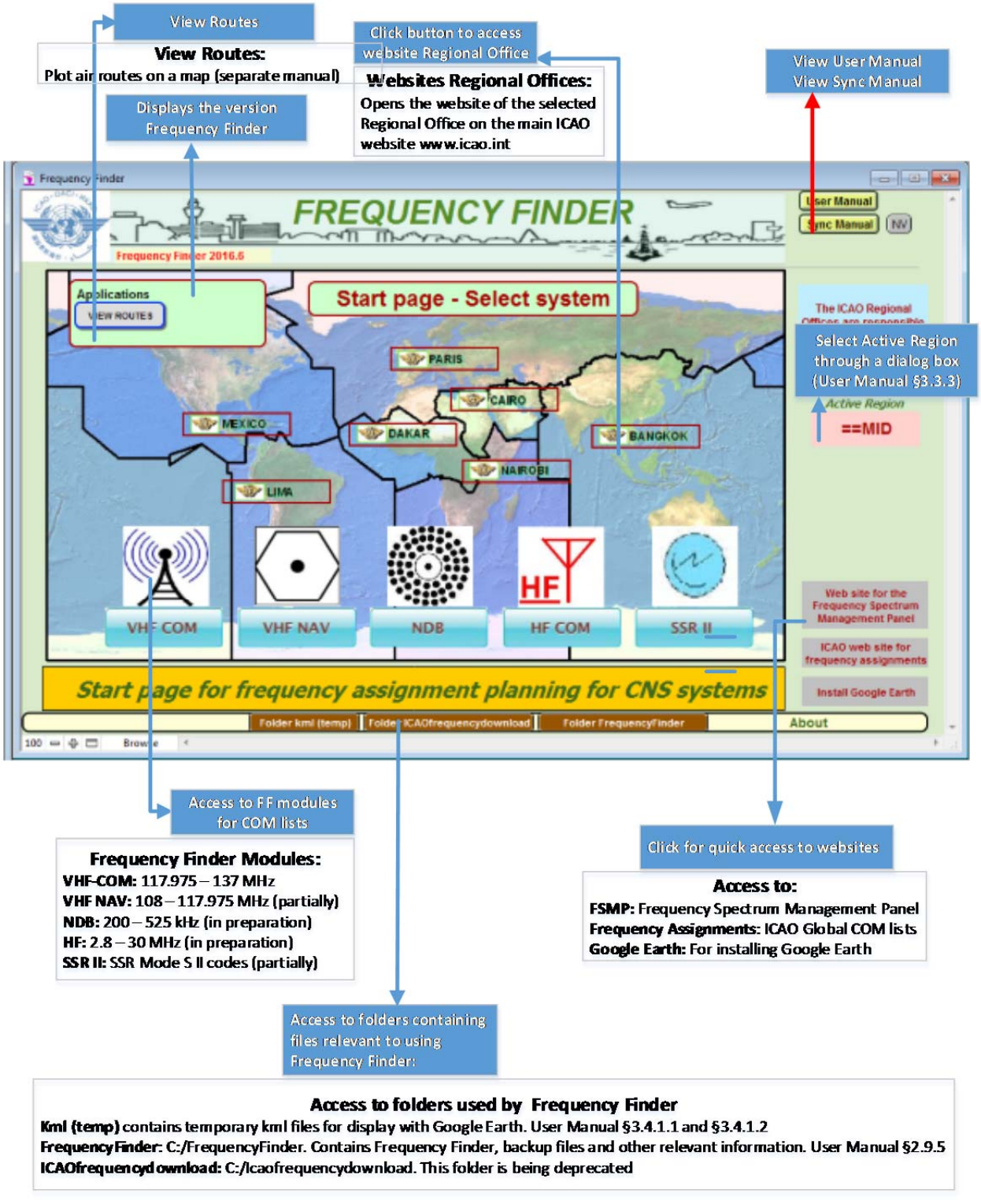
FREQUENCY FINDER

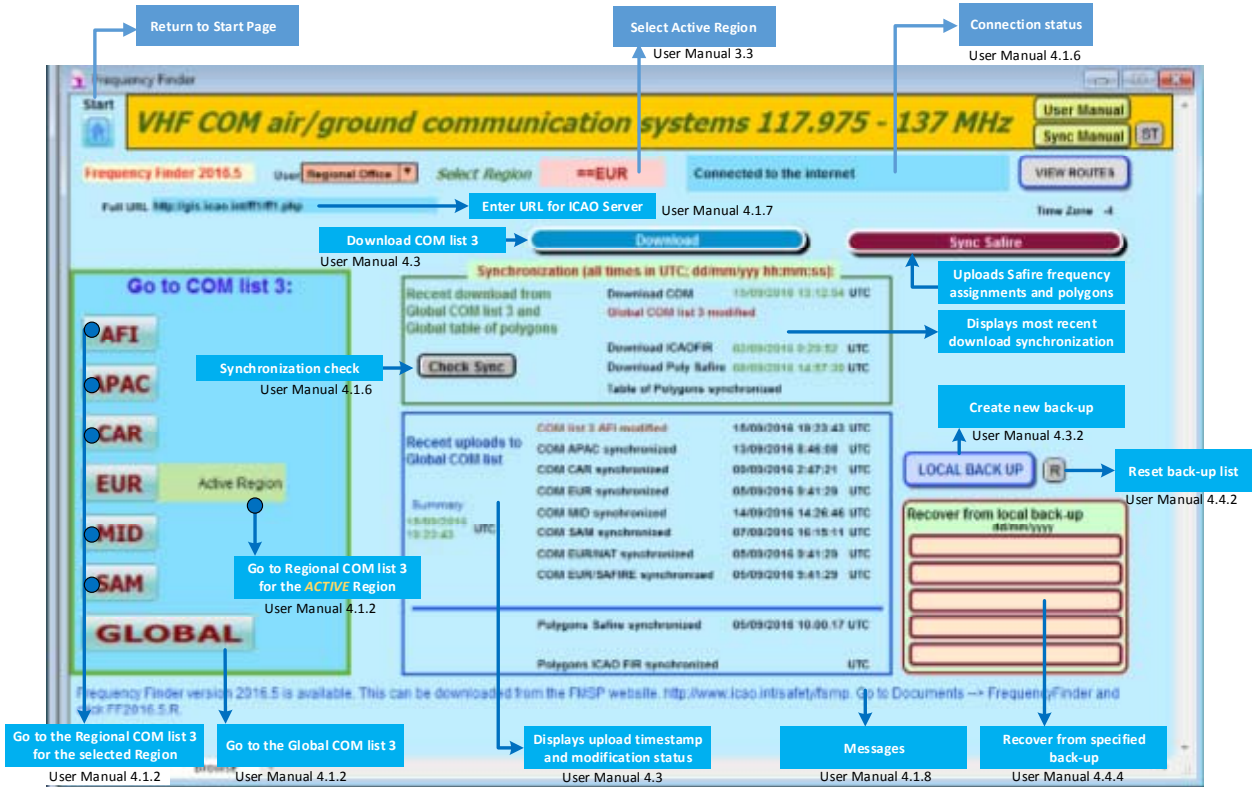


QUICK REFERENCE GUIDE

Version 2016
September 2016

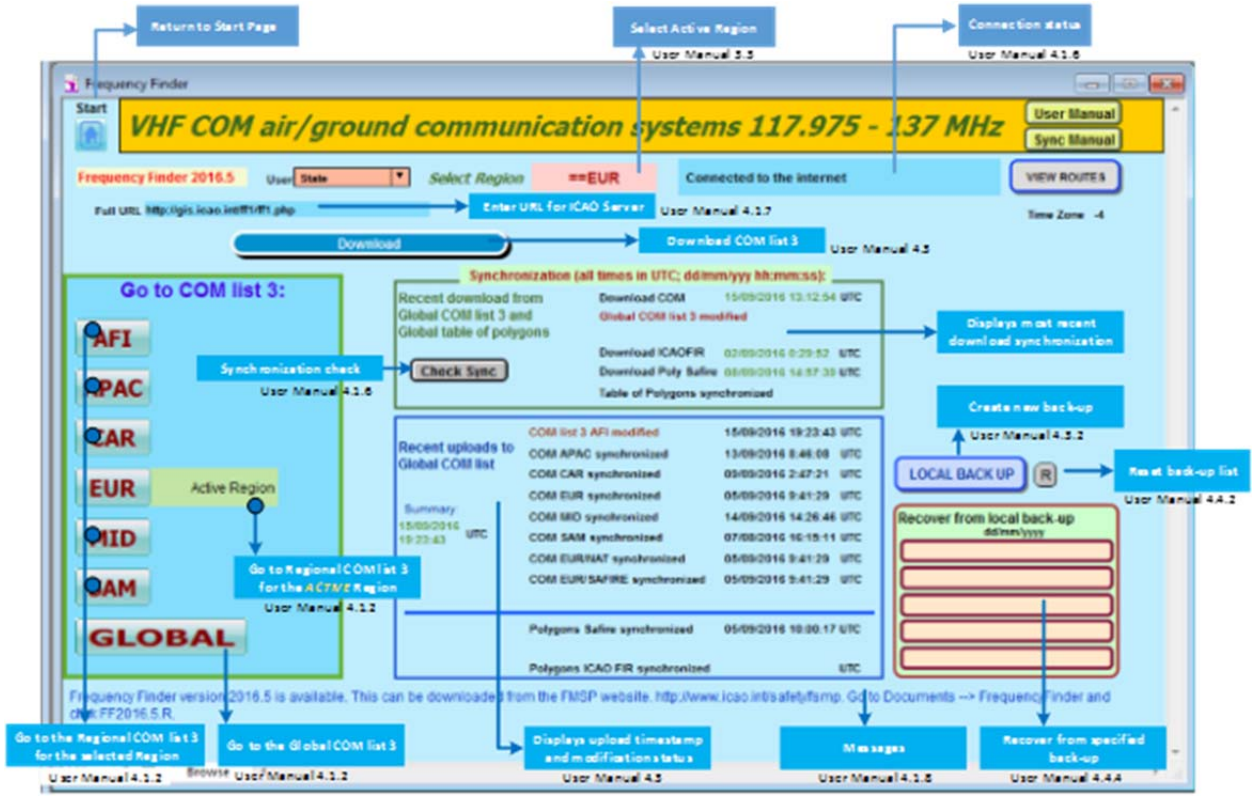


START PAGE FREQUENCY FINDER



HOME PAGE VHF-COM (COM list 3)

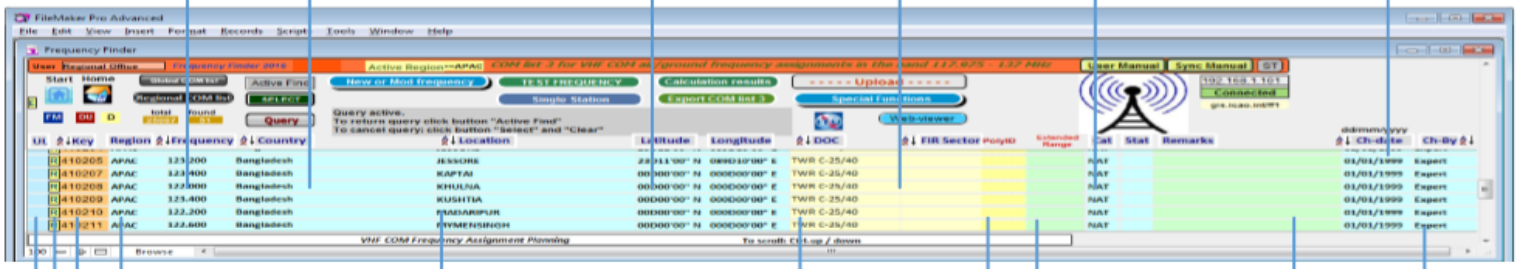
Note: The button Sync Safire is only displayed when the Active Region is set to EUR. (Version for Regional Offices)



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)

CAT (category) = ICAO or NAT

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

Location
Location name of the station

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)

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

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

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)

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

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

Remarks:
Any remark relevant to the frequency assignment

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

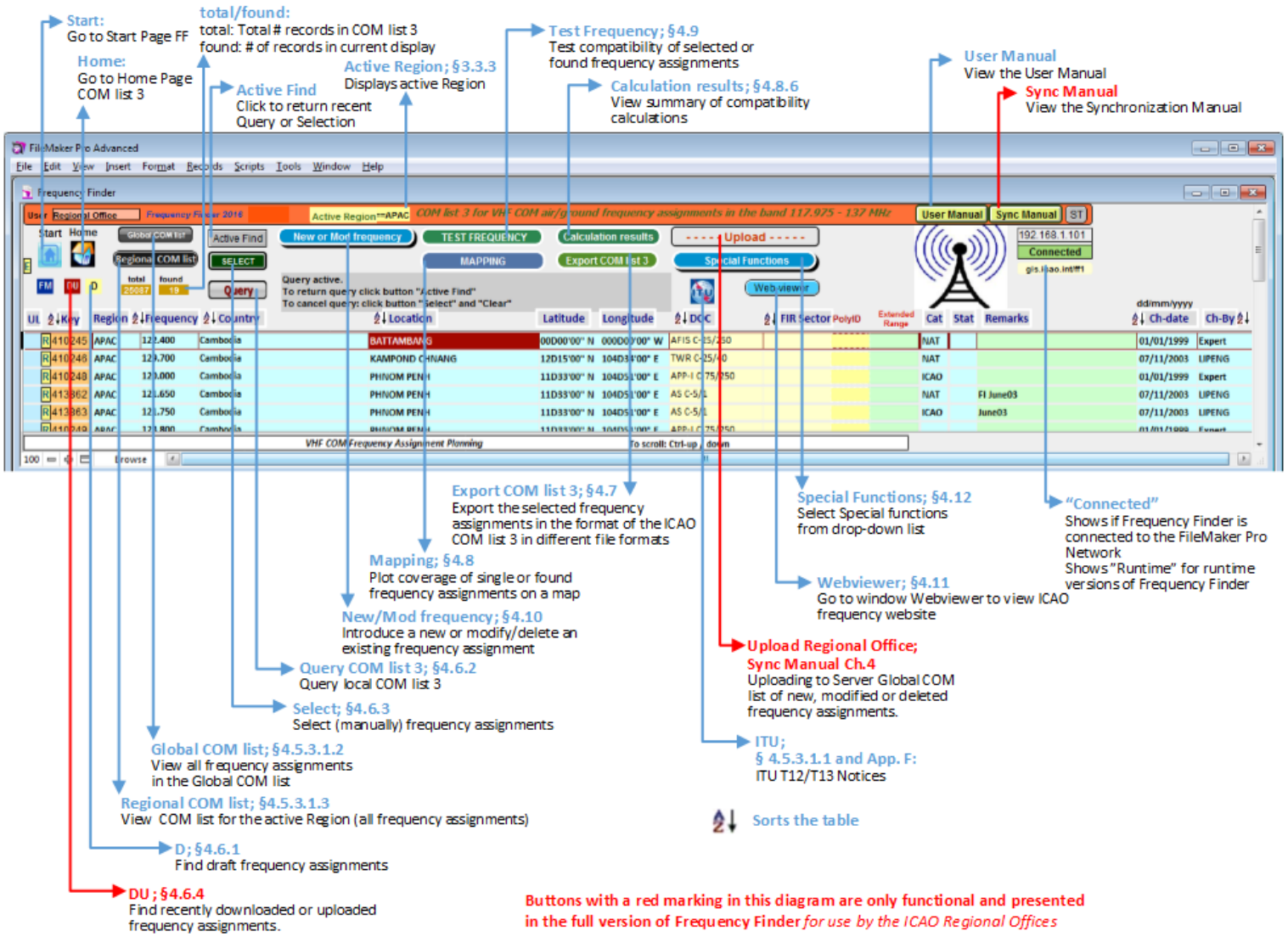
US (Upload Status); §4.5.2.1:
Empty = Registered frequency synchronized with Global COM list
N = Locally registered frequency ready for uploading to Global COM list
M = Locally modified frequency ready for uploading to Global COM list
D = Locally deleted frequency ready for uploading (deletion) to Global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

Sorts the table

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

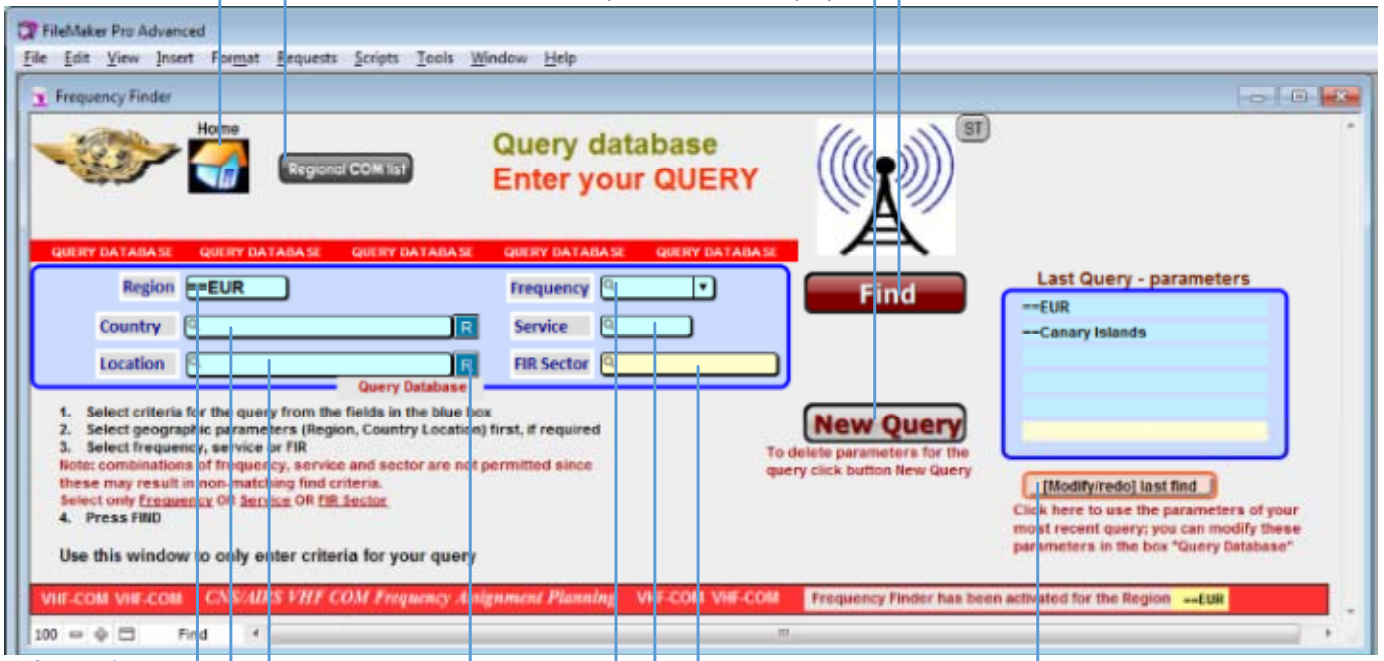
Data fields VHF COM list 3

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



Buttons VHF COM list 3

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



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 runitme)

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

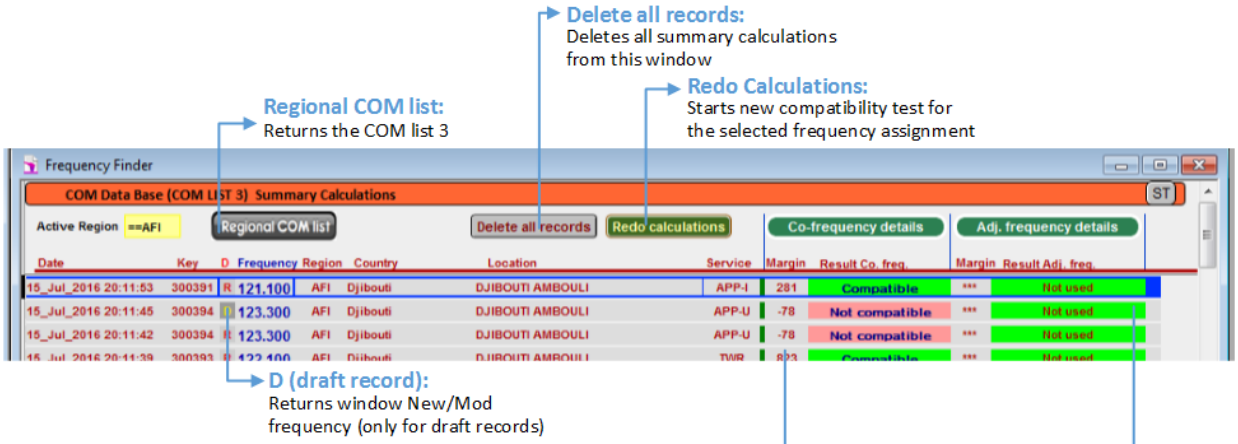
File format	Directory
FileMaker	C:/FrequencyFinder/SaveFMP
Excel	C:/FrequencyFinder/SaveExcel
XML	C:/FrequencyFinder/SaveExcel
CSV	C:/FrequencyFinder/SaveExcel
PDF	C:/FrequencyFinder/SavePDF

The exported file is saved and automatically opens when the export file format has been selected with the button Select Export Format

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

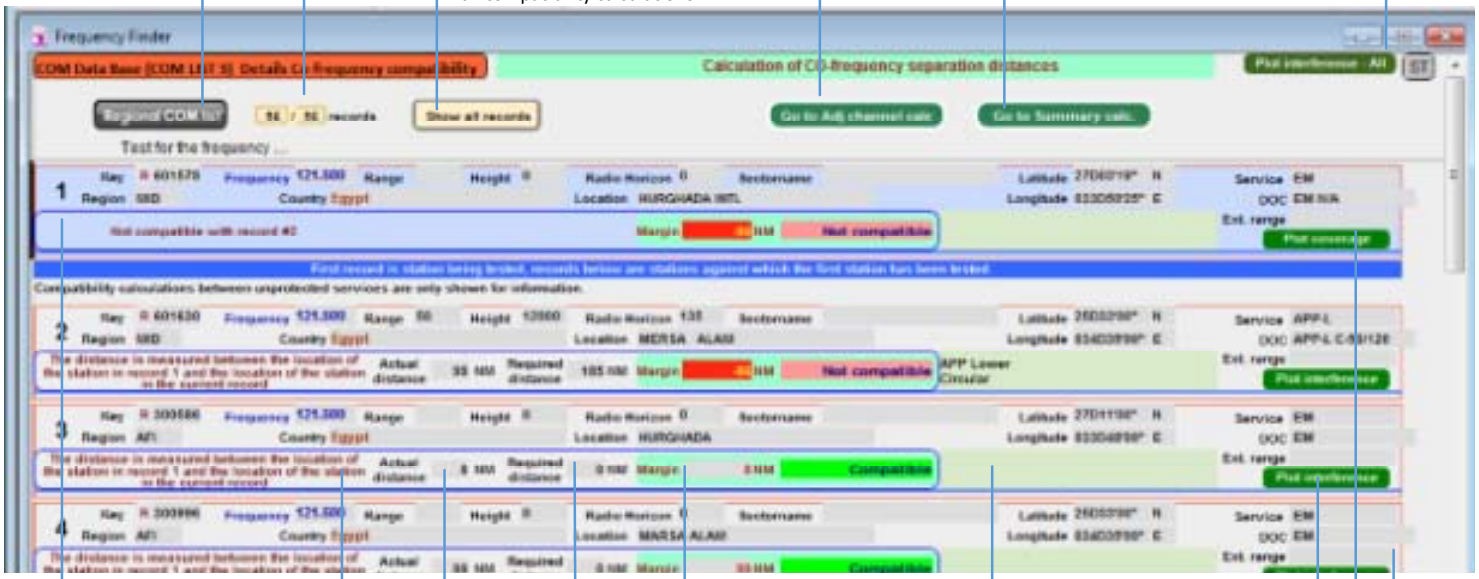
4.9.6.1.1 Buttons and fields on window Summary Calculations



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: • D=draft frequency assignment • E=registered (permanent frequency assignment)
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

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

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 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

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

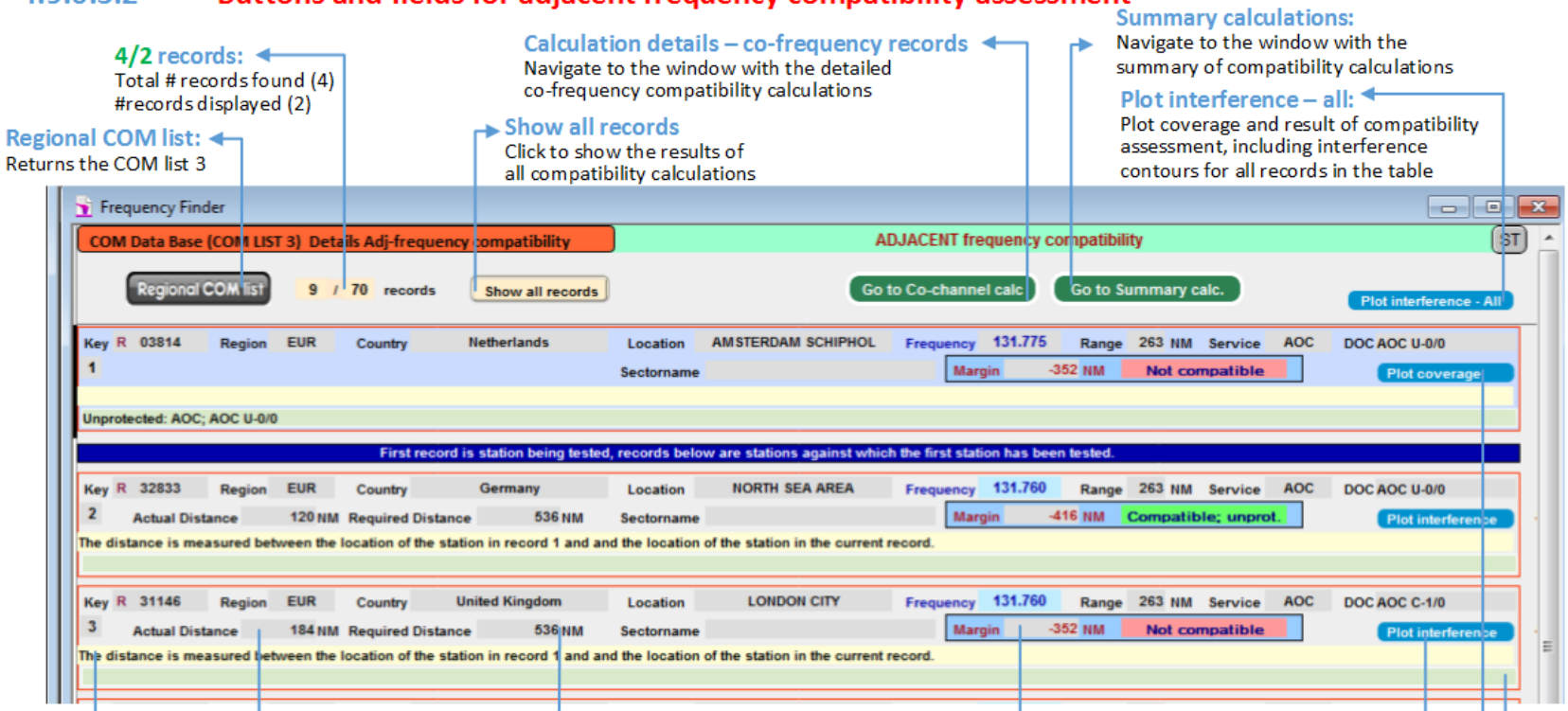
Plot interference; §4.9.6.2.6
Plot the results of the compatibility assessment for the current record. The current record is the record against which the first record is being tested.

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

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

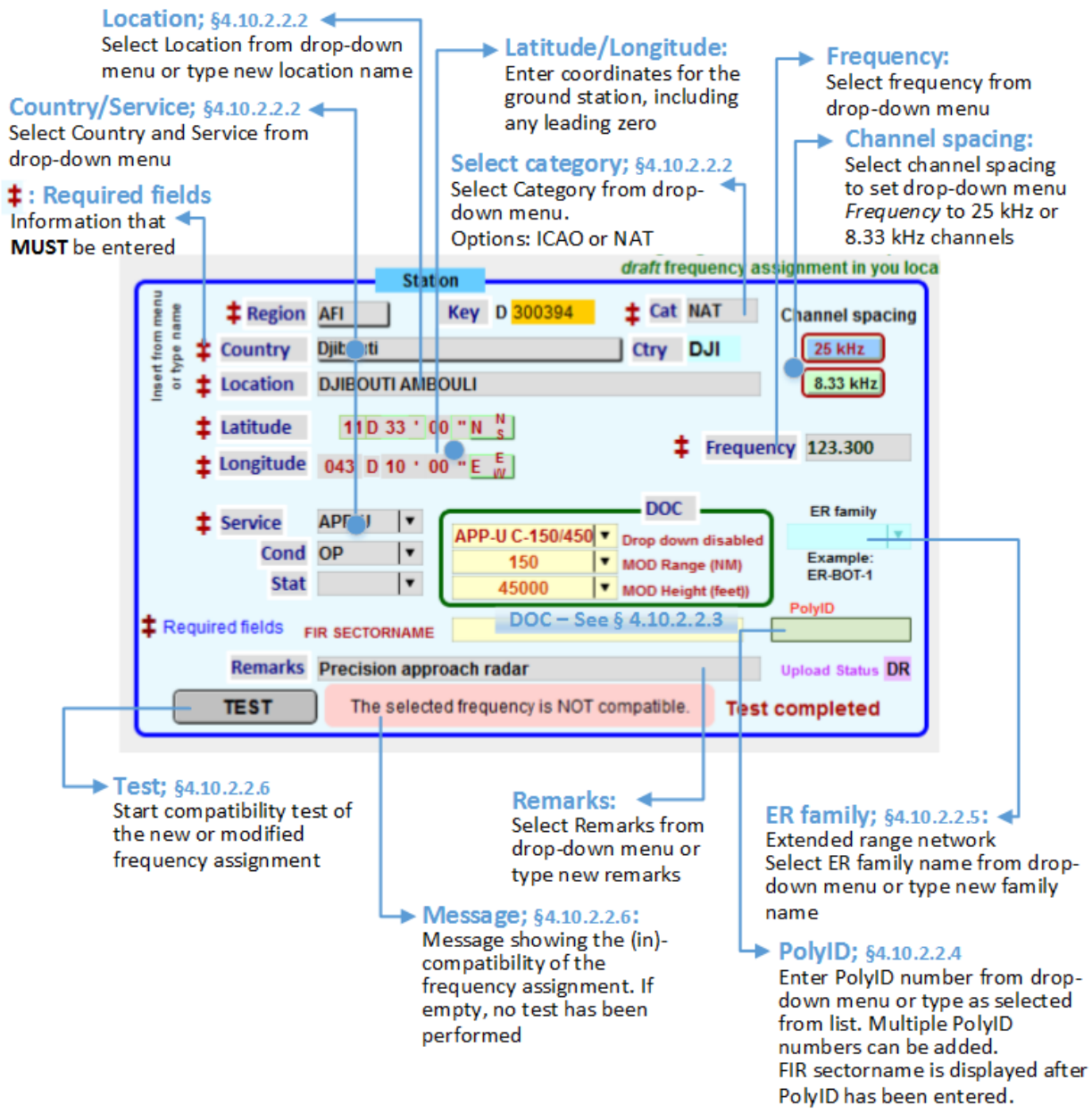
Co-frequency compatibility – Details

4.9.6.3.2 Buttons and fields for adjacent frequency compatibility assessment



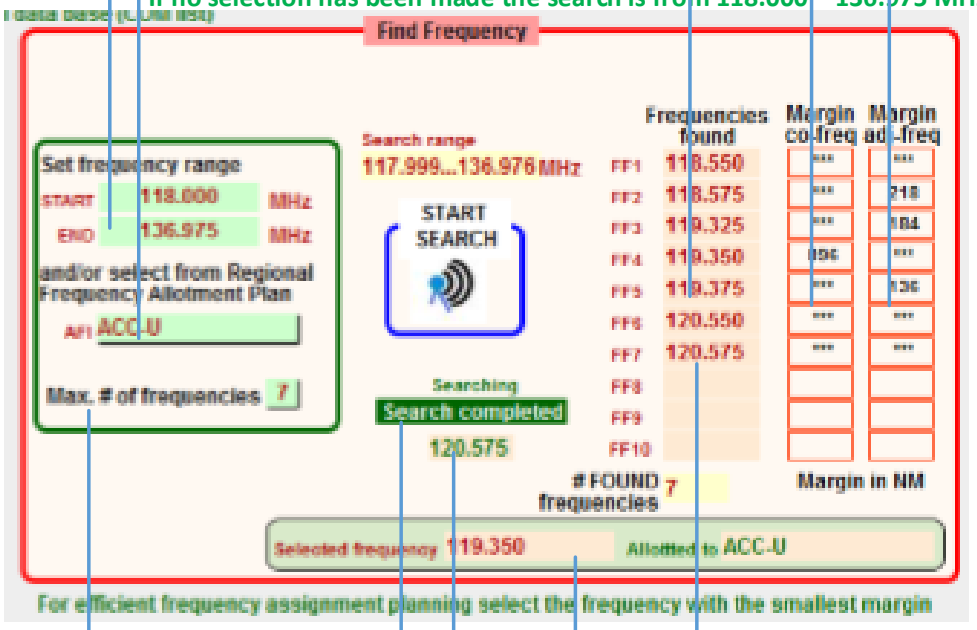
Adjacent frequency compatibility – Details

4.10.2.2 Buttons and data fields for the box Station



New/MOD frequency – Box Station

4.10.2.3 Buttons and data fields for the box Find Frequency



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

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

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

Message
Displays
Searching during search
Search completed when search is finished

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**

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).

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

New/MOD frequency – Box Search Frequency

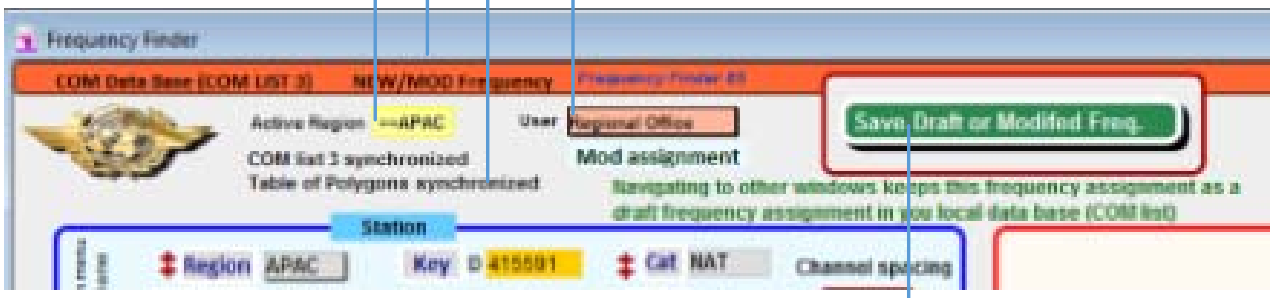
4.10.2.5 Buttons and data fields for the toolbar in the window NEW/MOD frequency

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

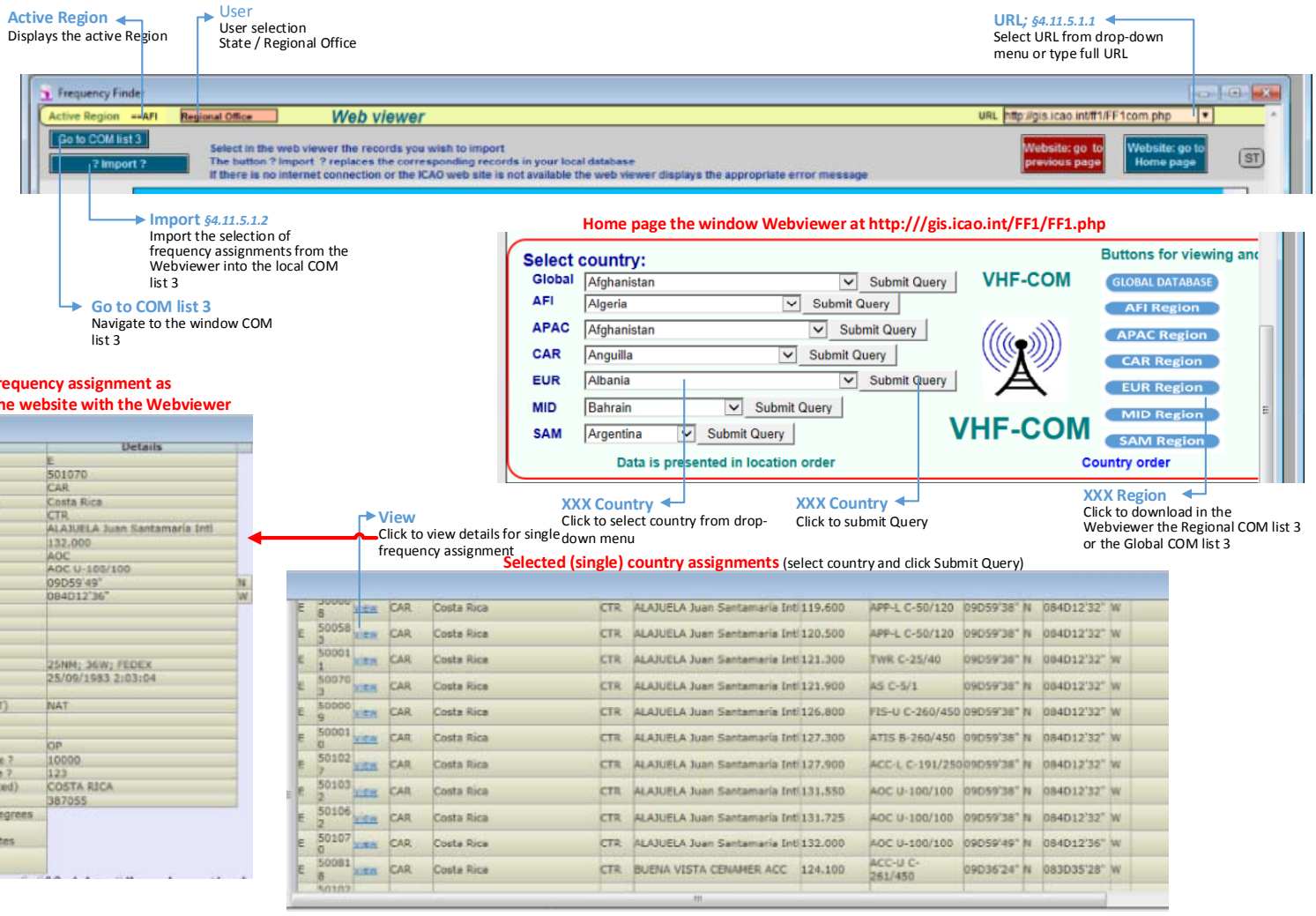


Save Draft or Modified frequency
From the dropdown menu, the user can:
Save the modifications as a local registered frequency assignment
Save the modification as a local draft frequency assignment
Delete the draft frequency assignment
View the window summary calculation *
Go to the Regional COM list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

* 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**



Webviewer window