

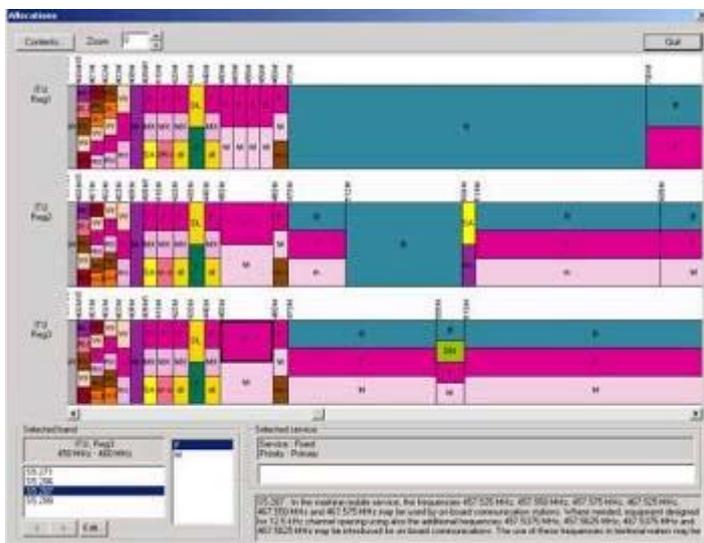
### Graphic user interface

Using a simple and intuitive graphical interface is essential for any software integration within an organisation. ICS manager follows Windows standards (menus, icons, dialog windows, drag-and-drop facilities, extensive use of mouse, etc,) enabling users' who are familiar with Windows to feel at ease and in familiar surroundings.



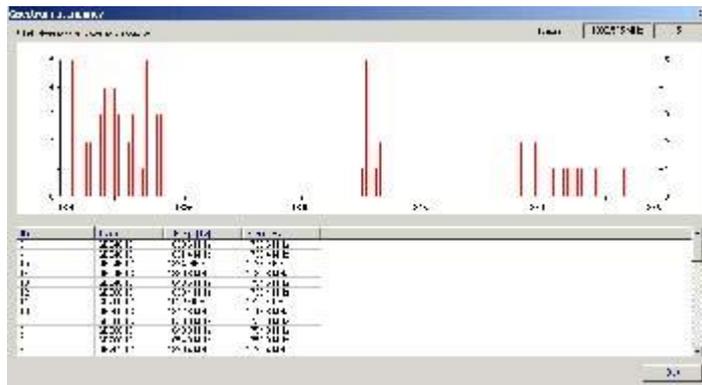
### Frequency allocations

Frequency allocations can be displayed in ICS manager. The example illustrates three different services (ITU, national, military) in addition to foot notes.



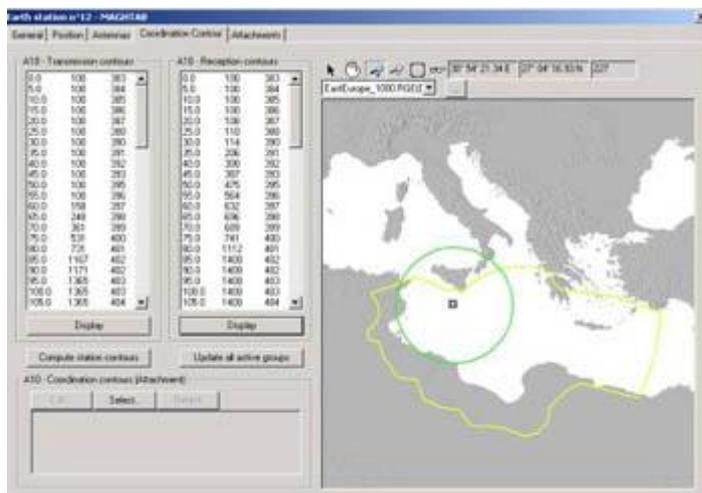
## Spectrum occupancy plots

Spectrum occupancy plots allows the user to validate information on the frequencies used in a specific band, geographic area or site.



## Computation of coordination contours for earth stations

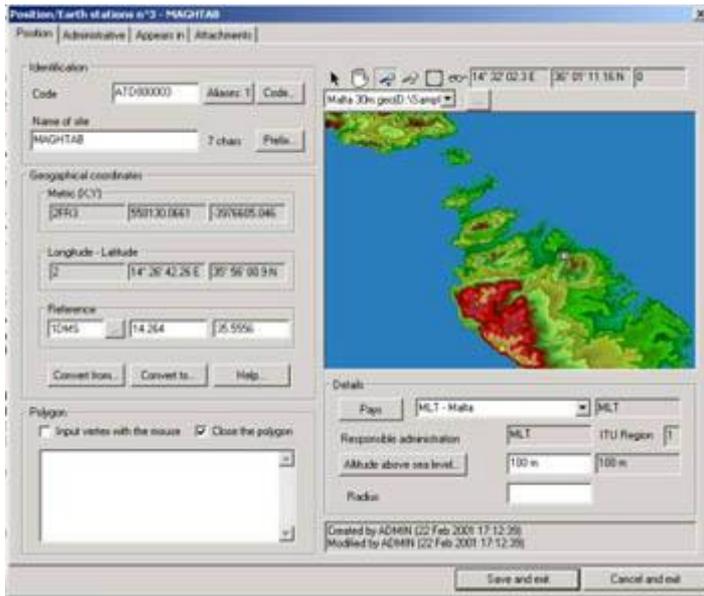
The module dedicated to earth stations includes the computation of coordination contours according to the ITU RR Appendix S7 (formerly AP 28). If required, these contours can be added graphically to the ITU notification form APS4/III.



## Coordinate management and cartographic

ICS manager features many cartographic functions, including:

- display of maps inside queries and sheets
- calculation of altitude and horizon height
- conversion of maps to the most usual projections
- conversion of coordinates between the different systems (metric, DMS, Lambert, etc.)
- navigation over a map
- setting of location directly on the map
- view of stations locations
- zoom



## Report generation

ICS manager features its own report generator, which provides reports dedicated to spectrum management, including antenna pattern and map graphical display. The example below displays a TVA report built by ICS manager and dedicated to coordination data exchange for analogue TV, compliant with Chester 97 agreement.



Item	Value
TVDI	TVDI
Admin station	SUI
Identification	
Update code	
Serial No	
Status	S
Operation start	
Location	SUI
Name	SONCEBOZ
Latitude	47° 11' 10 N
Longitude	7° 10' 18 E
Height (m)	836
System Digital	
Carrier Guard	
Channel	
Freq (centre)	88.5 MHz
Orbit (m)	
Orbit type	
Max. e.p. (°)	27 dBW
Max. e.p. (°)	
SFN id	
SFN Timing	
Polarisation	H
Antenna height	20 m
Directivity	0
e.p. Horizontal	6.0 6.0 6.0 6.0 5.0 2.0 0.0 1.0 2.0 2.0 4.0 7.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 10.0 7.0 4.0 2.0 2.0 1.0 0.0 1.0 2.0 3.0 6.0 6.0 6.0
e.p. Vertical	
Eku angle (°)	
Eku angle (°)	
Max. e.p. height	301 m
Epi height	-74 +11 +20 -26 -111 -57 -12 -247 -41 +73 +172 +234 +280 +301 +283 -
Trans. power	
Gen. power	
Last change	22 Feb 2001 17:21:02
Emission	

### Notifications to ITU-R

Using selected data from the spectrum management database, ICS manager automatically completes the appropriate notification forms (T01, T02, T04, T11 to T17, ApS4/III...) to be sent to ITU-R. These notification forms are available in paper or in electronic format defined by ITU-R.

