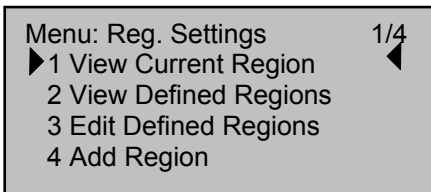




5.5.6 Regional Settings

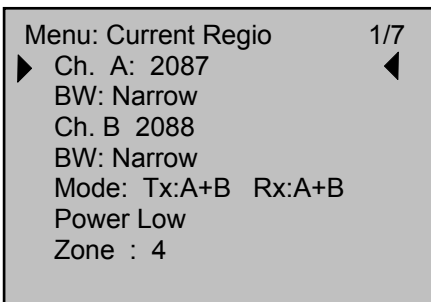
The “Channel Management” is to define areas around the world that use specific frequencies and power output for that area only.

From the “Main Menu” select “Channel Management” by pressing numeric key [6] or [arrow down] key and [Enter] key.



Select “View Current Region” by pressing the numeric key [1], or press [arrow down] key and [enter] key.

5.5.6.1 View Current Region

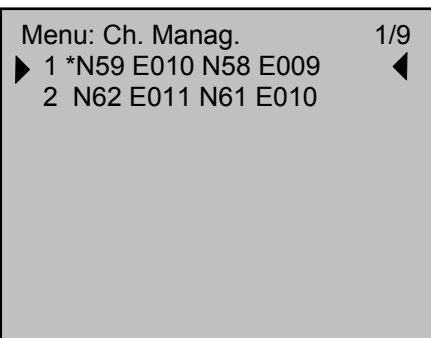


This menu shows the settings for the current region.

Press [Esc] to go one step back.

Select “View Defined Regions” by pressing the numeric key [2], or press [arrow down] key and [enter] key.

5.5.6.2 View Defined Regions



This menu shows defined regional settings for various regions.

For more specific information, press [Enter] key.



This menu shows the specific information for one region.

```
Ch. A: 2087          1/16
▶ BW: Narrow        ◀
Ch. B 2088
BW: Narrow
Mode: Tx:A+B Rx:A+B
Power Low
-----
Zone : 4
NE LAT: ----.--
Direction: South
NE LON: ----.--
Direction: West
SW LAT: ----.--
Direction: South
SW LON: ----.--
Direction: West
```

Press [Esc] twice to return to “Reg. Settings” menu

Select “Add Regions” by pressing the numeric key [4], or press [arrow down] key and [Enter] key.

When you try to “Add Regions”, you must enter password A. (see chapter 5.2.1)

```
Password      1      0/7
-
```

Type password A and press [Enter] key.

Then you will be able to add a new region, as shown in next sub chapter:

5.5.7 Add Regions

```
Ch. A: 2087
BW: Narrow
Ch. B 2088
BW: Narrow
Mode: TX:A+B  RX:A+B
Power Low

Zone : 4
NE LAT: ----.--
Direction: South
NE LON: ----.--
Direction: West
SW LAT: ----.--
Direction: South
SW LON: ----.--
Direction: West
```

In this menu all data can be edited by selecting the actual line, by [arrow up/down] key and [Enter] key.

Press [Esc] key to go one step back, and repeat procedure for all lines.

Press [Esc] key twice to return to “Main Menu”.

Regions should be as large as possible. The minimum limit is 20 nautical miles and maximum limit is 200 nautical miles.

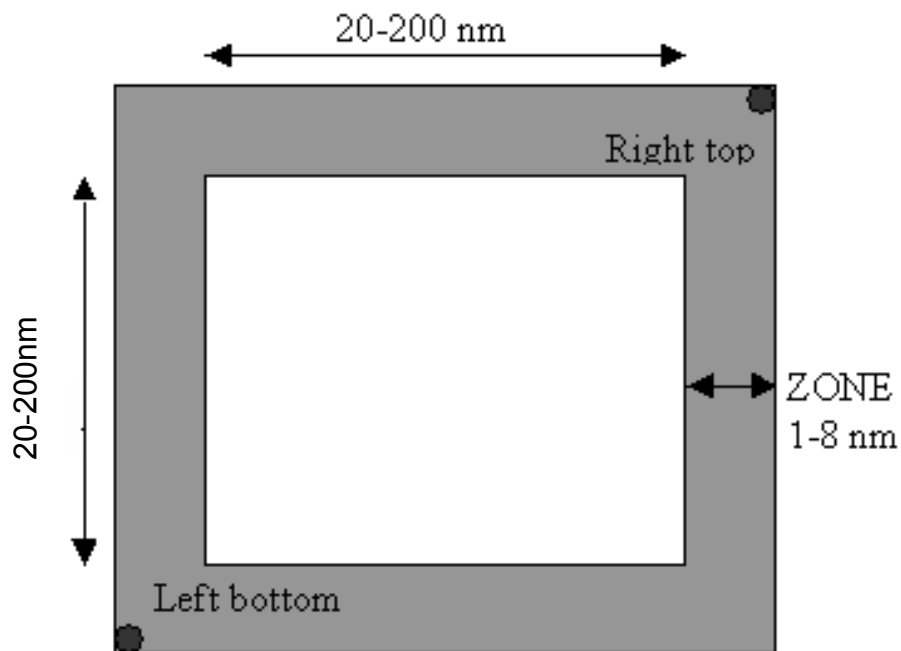


Figure 5.5.7.a, Region definition



In addition to the limits of the region, a transition zone must be defined between 1 and 8 nautical miles.

This is done in the menu line marked “ZONE”

This zone is used for frequency transition so only one frequency is changed at a time. There are defined rules for how the AIS will behave through this zone.

The AIS will continuously monitor for its own position and range to the regional areas defined.

When entering transition zone for Region 1, frequency is changed on the primary channel. The AIS is now sending the primary frequency defined for each of the regions.

When the boundary for the Region 1 is crossed, the second frequency shall be changed. Then the primary frequency for the old region (or default setting) is switched with the secondary frequency for the new region. Then both frequencies have changed.

When entering another region, frequency transition is performed as described above with the frequencies (settings) of the new region.

When leaving a region, frequency transition is performed back to default values.

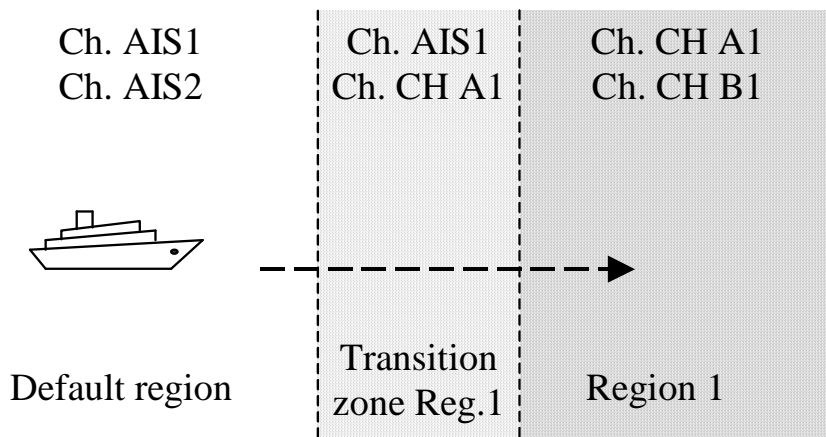


Figure 5.5.7.b, Frequencies used when entering a new region