



communications

**Aviation Recorders  
Marine Systems  
Automatic Identification System**

**2.1.4.5 Channel Management**

This page displays all of the relevant information regarding the regions established either by manual entry, a governing authority's VTS station broadcasting region information, or another Universal AIS broadcasting the data. These regions determine the authorized operating frequencies for the coverage area. The user can set these different configurations at the initial setup; however, the L-3 ProTec Transponder will acquire the data for a new region once it has entered the region.

<b>Edit Chan Mgmt Settings</b>
NE: N 91'00.0 E 181'00.0
SW: N 91'00.0 E 181'00.0
ChA: 2087 Bw0 ChB:2088 Bw0
PLvl:H Md:TxRxAB TZn: Nm
Src:Intrnl MMSI:-----
FNC: ← Prv. → Nxt. FNC Save

Press FNC → NAV button from any menu and use the up (↑) or down (↓) arrow keys.

- NE: Indicates the North East corner of the region.
- SW: Indicates the South West corner of the region.
- ChA: Channel Frequency for Channel A.
- Bw: Bandwidth 0 = 25 kHz, 1 = 12.5 kHz.
- ChB: Channel Frequency for Channel B.
- Bw: Bandwidth 0 = 25 kHz, 1 = 12.5 kHz.
- Plvl: Power Level H = high power (12.5 Watts), L = low power (2 Watts)
- Md: TxRxAB, TARxAB, TBRxAB, RxAB, RAOnly, and RBOnly.
- TZn: Transition zone size, defined in nautical miles.
- Src: Intrnl = Internal command, Extrnl = External command (governing authority).
- MMSI: MMSI of the authority that has issued the command (blank if internal).

**For the initial setup perform the following:**

- (1) Press the FNC key.
- (2) Press the NAV key. The AIS Main System Menu screen will appear.
- (3) Using the down Arrow key, select "Edit Chan Mgmt Settings", and press the ENT key. The Channel Management Table Entry screen will appear. (Refer to Figure 2-8.)



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- (4) Use the up and down arrow keys and the left and right arrow keys to highlight an entry point, and press the ENT key.
- (5) Enter the data, press the ENT key, and move to the next data entry point.
- (6) After all of the data is entered for that region, press the FNC key twice and then press the ENT key to save the data.
- (7) Press the ESC key to return to the AIS Main System Menu screen.

```
High Seas Region Actv
NE: N 91°00.0 E 181°00.0
SW: N 91°00.0 E 181°00.0
ChA:2087 Bw0 ChB:2088 Bw0
PLvl:H Md:TxRxAB TZn:5 Nm
Src:Intrnl MMSI:0123456789
Fnc:< Prv. > Nxt. Fnc Save
```

**Figure 2–8. Channel Management Settings Screen**

#### 2.1.4.6 Antenna Position

This setup provides for data entry of location of the antenna for each of the GPS antennas required for the system. The 'Int' refers to the antenna dedicated to the AIS' internal GPS and the 'Ext' refers to the antenna dedicated to the ship's external GPS. The screen layout is as follows:

```
Antenna Position Ref
INT A:47 B:14 C:3 D:5
EXT A:250 B:250 C:50 D:50
Dimensions in Meters
See ITU-R M.1371 Doc
```

**Figure 2–9. Antenna Position Screen**