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## PART 1 SPECIAL REGULATIONS FOR RACING BOATS

# DRAFT

## Australian Sailing Regulations relating to Sat Phones.

### 3.25 MARINE RADIO

<b>3.25.1</b>	The following waterproof or marine standard communication equipment shall be provided:	1	2	3	4	5
<b>(a)</b>	Means to communicate a distress situation to the Rescue Coordination Centre, organising authority and nearby vessels via at least one of the following means;	1	2			
	(i) Permanently installed HF transceiver. All new HF Transceivers are to be DSC capable. <i>It is recommended that all HF transceivers be DSC capable.</i>					
	(ii) Satellite phone, incorporating voice and SMS capability, retained in a securely fastened mounting, connected to the vessel's electrical supply, equipped with a permanently located external aerial, and continuous coverage for the race area.					
	(iii) Where shore based VHF facilities exist for the entire length of the course, the organising authority may permit an installed VHF transceiver only and this shall be included in the notice of race.		2			

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|------------|--|---|---|---|-----|
| <b>(b)</b> | (i) Permanently installed VHF transceiver<br>All new permanently installed VHF transceivers shall be DSC capable.  | 1 | 2 | 3 | 4   |
|            | (ii) A waterproof handheld VHF transceiver.  | 1 | 2 | 3 |     |
|            | (iii) A permanently installed, or waterproof handheld, VHF transceiver   |   |   |   | 5 6 |
|            | (iv) <i>It is recommended that all VHF transceivers be DSC capable each with their own unique MMSI.</i>  |   |   |   |     |
|            | (v) Each handheld VHF DSC radio should have its own MMSI number allocated to the device, separate to that of the vessel  |   |   |   |     |
| <b>(c)</b> | Where permanently installed, DSC HF/VHF transceivers shall be programmed with an assigned MMSI (unique to the boat), and where there is a permanently installed GPS, be connected to a GPS receiver, and be capable of making distress alert calls as well as sending and receiving a DSC position report with another DSC equipped station. Periodically a test call should be made which should be automatically acknowledged. | 1 | 2 |   |     |

**Specifications and Testing**

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|---------------|--|---|---|---|-----|
| <b>3.25.3</b> | Permanently installed HF transceivers shall be:  | 1 | 2 |   |     |
| <b>(a)</b>    | Able to transmit and receive on the standard distress frequencies of 4125, 6215, 8291 kHz. |   |   |   |     |
| <b>(b)</b>    | Tested in accordance with the notice of race.  |   |   |   |     |
| <b>3.25.4</b> | Permanently installed VHF transceivers shall:  | 1 | 2 | 3 | 4 5 |
| <b>(a)</b>    | Have a maximum rated output power of not less than 25W.                                    |   |   |   |     |
| <b>(b)</b>    | Have a mast head antenna.  | 1 | 2 | 3 |     |
| <b>(c)</b>    | Have transmission and reception with a base station at least 8 nautical miles distant.     | 1 | 2 | 3 |     |
| <b>(d)</b>    | Be tested in accordance with the notice of race.   | 1 | 2 | 3 | 4 5 |
| <b>3.25.5</b> | The following emergency antenna shall be provided:   |   |   |   |     |

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|---------------|--|---|---|---|---|---|
| <b>(a)</b>    | An alternative antenna, independent of the mast, for each required radio and satellite phone. At all times a boat shall maintain VHF and AIS capability. | 1 | 2 | 3 |   |   |
| <b>(b)</b>    | An emergency antenna where the regular antenna depends upon the mast.  |   |   |   | 4 |   |
| <b>3.25.6</b> | Handheld VHF transceivers shall:   | 1 | 2 | 3 | 4 | 5 |
| <b>(a)</b>    | Have a maximum rated output power of not less than 5W.   |   |   |   |   |   |
| <b>(b)</b>    | Be tested in accordance with the notice of race.   |   |   |   |   |   |
| <b>3.25.7</b> | At least two means of receiving weather bulletins shall be provided.   | 1 | 2 | 3 | 4 |   |