



# CRUISING YACHT CLUB OF AUSTRALIA

## Marine Communications Installation Survey and Inspection Form Australian Sailing Special Regulations 2021- for Category 1 - 3 Yachts

Yacht Name		Sail Number	
		Call Sign	
Sat Phone No. (if known at time of inspection)		Secondary Sat Phone No. (if carried)	
Radio Surveyor Name		Location of Check	
Boat Owner/Rep Name		Date of check	

*Radio inspections are valid for 12 months from the date of issue.*

### **CATEGORY 1, 2 and 3**

- 1. Yachts Batteries**
  - Batteries shall be of a sealed type from which liquid electrolyte cannot escape
  - Separate Engine & House battery banks
  - Charging arrangements & switching adequate
  - Alternator & belts in good working condition
- 2. On Load Voltage Test**
  - Battery terminal voltage did not fall below 11.4v when On-load Battery Tester applied
- 3. Battery Terminals**
  - Terminals are tight and well greased
  - Battery cabling is in good condition
- 4. VHF Radio**
  - Installed in a position protected from the ingress of moisture
  - Channels 6, 16, 21, 22, 67, 72, 73, 80, 81 and 82 fitted
  - 25 Watt transmit power
  - NB: if DSC Capable 
    - MMSI Programmed
    - Connected to GPS Receiver
    - Able to send and receive alerts
- 5. VHF Antenna**
  - VHF Antenna and connections in sound mechanical condition
- 6. Spare VHF Antenna**
  - Spare Antenna is on Board for each radio and in sound condition and mountings available for ease of installation
- 7. Co-axial cable feeder**
  - Feeder is sound and of low loss quality with good connections
- 8. VHF Handheld Radio**
  - Channels 6, 16, 21, 22, 67, 72, 73, 80 and 81
  - VHF Handheld Radio is Waterproof
  - Provision for charge or replacement of batteries adequate
  - Rated output of 5w
- 9. Documents**
  - Marine Radio Operators Handbook is held on board
  - Distress Procedure: Guide for Operators, Sat Phone number & Call Sign and MMSI are visible
- 10. Separate Radio**
  - Capable of receiving weather bulletins (AM/FM Radio)
- 11. Special Regulations**
  - Yacht complies with Australian Sailing Special Regulations 3.25 Marine Radio
- 12. Navigation Lights**
  - Yachts navigation lights, working, fitted to conform to Australian Sailing special regulations and IRPCAS

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## CATEGORY 1 and 2, or if fitted.

NB: Check NOR for requirements.

### **SATELLITE PHONE**

- 13. Satellite Phone**      Securely fastened mounting   
Connected to vessel's electrical supply (in sound condition)   
Permanent external aerial in sound condition   
Function for voice & data   
Function for email (if specified in NOR)
- 14. Alternate means of Communication**      Emergency antenna or alternate means of sat phone communications on board and in sound condition, separate to the mast

### **HF RADIO**

- 15. HF Radio**      Installed in a position protected from the ingress of moisture   
Rated 100w output   
NB: if DSC Capable   
    - MMSI Programmed  
    - Connected to GPS Receiver  
    - Able to send alerts
- 16. Frequencies Fitted**      4125       4483       6215       6516       8291
- 17. Radio Test**      HF & VHF Transmission signal reports are satisfactory on all frequencies   
Radio Station used for tests \_\_\_\_\_
- 18. ATU HF**      ATU effectively tunes HF antenna on all frequencies fitted
- 19. HF Antenna**      HF Antenna in sound mechanical condition
- 20. Spare HF Antenna**      Spare HF Antenna for each radio is kept on board and is easily erected   
ATU effective on all required frequencies on spare antenna
- 21. Insulators**      Insulators on HF antenna of good quality and free from defects
- 22. Co-axial cable feeder**      Feeder is sound and of low loss quality with good connections
- 23. Radio Earth**      Radio Earth system is sound and effective antenna tunes well
- 24. Radio Earth Connection**      Connection to ATU and Transceiver
- 25. AIS**      AIS Transponder fitted, correctly configured and operational   
AIS emergency antenna (if different to VHF)   
MMSI number: \_\_\_\_\_

## Radio Surveyors Declaration

*I have surveyed the radio and electrical equipment on this yacht and have found all equipment to be on board the yacht and in good working order at the time and date of this inspection. I have surveyed the yachts equipment and found it to conform to the requirements of Australian Sailing Special Regulations 2021-.*

**Signed:** \_\_\_\_\_ **Print Name:** \_\_\_\_\_

**Radio Surveyor / Marine Electrician Company & Contact Details and/or Stamp:**

**Name:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Contact Ph:** \_\_\_\_\_