



# ROYAL PRINCE ALFRED YACHT CLUB

## Marine Radio Installation Survey and Inspection Form Australia Sailing Special Regulations 2021- Form - Category 1 - 3 Events

Vessel Name: \_\_\_\_\_ Sail no: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Radio Surveyor Name: \_\_\_\_\_ Location of Check: \_\_\_\_\_

Boat Owner / Representative: \_\_\_\_\_ Date: \_\_\_\_\_

- |                                 |   |                          |
|---------------------------------|---|--------------------------|
| <b>1. Vessels Batteries</b>     | Batteries shall be of a sealed type from which liquid electrolyte cannot escape                           | <input type="checkbox"/> |
|                                 | Separate Engine & House battery banks   | <input type="checkbox"/> |
|                                 | Charging arrangements & switching adequate  | <input type="checkbox"/> |
|                                 | Alternator & belts in good working condition  | <input type="checkbox"/> |
| <b>2. On Load Voltage Test</b>  | Battery terminal voltage did not fall below 11.4v when On-load Battery Tester applied                     | <input type="checkbox"/> |
| <b>3. Battery Terminals</b>     | Terminals are tight and well greased  | <input type="checkbox"/> |
|                                 | Battery cabling is in good condition  | <input type="checkbox"/> |
| <b>4. VHF Hand Held Radio</b>   | Channels 6, 16, 21, 22, 67, 69, 72, 73, 77, 80, 81 and 82   | <input type="checkbox"/> |
|                                 | VHF Hand Held Radio is Waterproof   | <input type="checkbox"/> |
|                                 | Provision for charge or replacement of batteries adequate   | <input type="checkbox"/> |
|                                 | Own MMSI #  | <input type="checkbox"/> |
| <b>5. VHF (DSC) Radio</b>       | Installed in a position protected from the ingress of moisture  | <input type="checkbox"/> |
|                                 | Channels 6, 16, 19, 21, 22, 67, 69, 72, 73, 77, 78, 80, 81 and 82 fitted                                  | <input type="checkbox"/> |
|                                 | 25 Watt transmit power  | <input type="checkbox"/> |
|                                 | <b>If new VHF radio – DSC capable own MMSI #</b>  | <input type="checkbox"/> |
| <b>6. Radio Test</b>            | VHF Transmission signal reports are satisfactory on all frequencies                                       | <input type="checkbox"/> |
|                                 | Radio Station used (min 8nm) for tests _____  | <input type="checkbox"/> |
| <b>7. VHF Antenna</b>           | Masthead VHF Antenna in sound mechanical condition  | <input type="checkbox"/> |
| <b>8. VHF Aerial</b>            | Spare aerial is on board for each radio and mountings available for ease of installation                  | <input type="checkbox"/> |
| <b>9. Co-axial cable feeder</b> | Feeder is sound and of low loss quality with good connections   | <input type="checkbox"/> |
| <b>10. Documents</b>            | Marine Radio Operators Handbook is kept on board  | <input type="checkbox"/> |
|                                 | Distress Procedure, Guide for operators and Call Sign visible   | <input type="checkbox"/> |
| <b>11. Separate Radio (x2)</b>  | Capable of receiving weather bulletins (AM/FM Radio, SR3.25.7)  | <input type="checkbox"/> |
| <b>12. Special Regulations</b>  | Vessel complies with Australian Sailing Special Regulations 3.25 Marine Radio                             | <input type="checkbox"/> |
| <b>13. Navigation Lights</b>    | Vessels navigation lights, working, fitted to conform to Australia Sailing Special Regulations and IRPCAS | <input type="checkbox"/> |
| <b>14. AIS</b>                  | AIS Transponder fitted and operational (Tested)   | <input type="checkbox"/> |
|                                 | MMSI # _____  |                          |

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If completing the form for Category 3 events, leave the next section BLANK.

## Category 1 and 2, or if fitted requirements:

15. **HF Radio** (refer to NoR) Installed in a position protected from the ingress of moisture   
Rated 100w output  
**If new HF radio – DSC capable**
16. **Frequencies Fitted** 2182  **4125**  4483  6507  8176  12365   
2524  4426  **6215**  6516  **8291**  16546  12290
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 and connected to the ATU
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 and operational (Tested)   
MMSI # \_\_\_\_\_

### Radio Surveyors Declaration

*I have surveyed the radio and electrical equipment on this vessel and have found all equipment to be on board the vessel 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 current Australia Sailing Special Regulations 2021-.*

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

**Date:** \_\_\_\_\_

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

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

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

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