

## Radio Installation Survey and Inspection Form

Yacht Name: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Radio Surveyor: \_\_\_\_\_ Location: \_\_\_\_\_  
(Print Name and Sign)

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

- |                                   |   |  |                          |
|-----------------------------------|---|--|--------------------------|
| <b>1. Radio Batteries</b>         | Radio Batteries isolated from engine starting batteries <input type="checkbox"/>  |  | <input type="checkbox"/> |
|                                   | One Battery is Closed or Gel Cell <input type="checkbox"/>  |  | <input type="checkbox"/> |
|                                   | Batteries can be charged by main engine <input type="checkbox"/>  |  | <input type="checkbox"/> |
| <b>2. Electrolyte Level</b>       | Correct Electrolyte level in all cells <input type="checkbox"/>   |  | <input type="checkbox"/> |
| <b>3. SG Readings</b>             | SG readings of all cells above 1.23 <input type="checkbox"/>  |  | <input type="checkbox"/> |
| <b>4. On Load Voltage Test</b>    | Battery terminal voltage did not fall below 11.4v<br>when On-load Battery Tester applied <input type="checkbox"/>       |  | <input type="checkbox"/> |
| <b>5. Hydrometer</b>              | A working hydrometer is kept on board <input type="checkbox"/>  |  | <input type="checkbox"/> |
| <b>6. Battery Terminals</b>       | Terminals are tight and well greased <input type="checkbox"/>   |  | <input type="checkbox"/> |
|                                   | Battery cabling is in good condition <input type="checkbox"/>   |  | <input type="checkbox"/> |
| <b>7. HF Radio</b>                | Installed in a position protected from the ingress of moisture <input type="checkbox"/>                                 |  | <input type="checkbox"/> |
| <b>8. Frequencies Fitted</b>      | 2182 <input type="checkbox"/> 4125 <input type="checkbox"/> 6215 <input type="checkbox"/> 6227 <input type="checkbox"/> |  |                          |
|                                   | 2524 <input type="checkbox"/> 4483 <input type="checkbox"/> 4603.6 <input type="checkbox"/>                             |  |                          |
| <b>9. Radio Test</b>              | Transmission signal reports are satisfactory on all frequencies <input type="checkbox"/>                                |  | <input type="checkbox"/> |
|                                   | Radio Station used for tests <input type="checkbox"/>   |  | <input type="checkbox"/> |
| <b>10. ATU</b>                    | ATU effectively tunes HF antenna on all frequencies fitted <input type="checkbox"/>                                     |  | <input type="checkbox"/> |
| <b>11. HF Antenna</b>             | HF Antenna in sound mechanical condition <input type="checkbox"/>   |  | <input type="checkbox"/> |
| <b>12. Spare HF Antenna</b>       | Spare HF Antenna is kept on board and is easily erected<br>and connected to the ATU <input type="checkbox"/>            |  | <input type="checkbox"/> |
| <b>13. Insulators</b>             | Insulators on HF antenna of good quality and free from defects <input type="checkbox"/>                                 |  | <input type="checkbox"/> |
| <b>14. Co-axial cable feeder</b>  | Feeder is sound and of low loss quality with good connections <input type="checkbox"/>                                  |  | <input type="checkbox"/> |
| <b>15. Radio Earth</b>            | Radio Earth system is sound and effective-antenna tunes well <input type="checkbox"/>                                   |  | <input type="checkbox"/> |
| <b>16. Radio Earth Connection</b> | Connection to ATU and Transceiver <input type="checkbox"/>  |  | <input type="checkbox"/> |
| <b>17. VHF Radio</b>              | Installed in a position protected from the ingress of moisture <input type="checkbox"/>                                 |  | <input type="checkbox"/> |
|                                   | Channels 16, 67, 72, 81 and 80 fitted <input type="checkbox"/> 25 Watt transmit power                                   |  |                          |
| <b>18. VHF Antenna</b>            | VHF Antenna in sound mechanical condition <input type="checkbox"/>  |  | <input type="checkbox"/> |
| <b>19. Co-axial cable feeder</b>  | Feeder is sound and of low loss quality with good connections <input type="checkbox"/>                                  |  | <input type="checkbox"/> |
| <b>20. VHF Hand Held Radio</b>    | Channels 16, 67, 80 and 81 <input type="checkbox"/> 5 Watt transmit power <input type="checkbox"/>                      |  | <input type="checkbox"/> |
|                                   | VHF Hand Held Radio is Waterproof   |  |                          |
| <b>21. Documents</b>              | Marine Radio Operators Handbook is kept on board <input type="checkbox"/>   |  | <input type="checkbox"/> |
|                                   | Distress Procedure; Guide for operators is visible <input type="checkbox"/>   |  | <input type="checkbox"/> |

# The Cruising Yacht Club of Australia Category 1 & 2 Radio Inspection

Yacht Name:
Owner / Skipper:
Call Sign:
VHF Type:
Installation:
Antenna:
Earth:
Battery Condition:
Battery Age:
HF Type:
Installation:
Antenna:
Earth:
Battery Condition:
Battery Age:
Test to Coastal Station – Name:
Comments: (If any)
Inspected by (certified radio technician / engineer):

Signed: \_\_\_\_\_ Date: \_\_\_\_\_