

Official resource

# Earthing, Bonding, and Galvanic Isolation Review Checklist

SLUG	earthing-bonding-and-galvanic-isolation-review-checklist
SUMMARY	Review checklist for yacht earthing, bonding and galvanic isolation evidence, supporting shore-power corrosion investigations, refit closeout and anode-loss reviews.
RESOURCE TYPE	Checklist
RESOURCE AREA	Power & electrical
INTENDED AUDIENCE	Chief engineers, ETOs, electricians, surveyors, yacht managers
ESTIMATED USE MINUTES	18
DOCUMENT LABEL	Download PDF
PDF	earthing-bonding-and-galvanic-isolation-review-checklist-v1-0.pdf
VERSION	1.0
PUBLICATION STATUS	Published resource archive
IMPORTANT NOTE	<b>This resource is practical operational guidance. It does not replace the vessel SMS, flag or class requirements, manufacturer manuals, competent electrical advice, or the authority of the Captain and responsible technical officers onboard.</b>

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## Evidence set

- Shore-power one-line diagram available.
- Bonding diagram available.
- Isolation transformer or galvanic isolator record available where fitted.
- Continuity test records available.
- Anode history available.

## Recent changes

- Refit changes touching underwater lights, stabilisers, chargers, AV/IT racks, shore power or metalwork reviewed.
- Temporary earth or bonding straps identified.
- Contractor changes recorded.
- Obsolete drawings removed.
- Specialist reports retained.

### **Corrosion and trip symptoms**

- Fast anode loss recorded by date, location and berth.
- Nuisance shore-power trips recorded.
- Shock reports escalated immediately.
- Audio hum, radio interference or strange continuity readings logged.
- Marina-side conditions recorded when relevant.

### **Escalation**

- Do not disconnect bonding casually to solve corrosion.
- Competent electrical or corrosion specialist engaged for unexplained patterns.
- Flag, class or surveyor consulted where required.
- Corrective action and retest evidence retained.