

Official resource

# Generator Load Sharing Evidence Checklist

SLUG	generator-load-sharing-evidence-checklist
SUMMARY	Evidence checklist for generator synchronisation and load-sharing faults, helping yacht teams capture PMS, switchboard, generator-controller and load data before escalation.
RESOURCE TYPE	Checklist
RESOURCE AREA	Power & electrical
INTENDED AUDIENCE	Chief engineers, ETOs, electricians, technical superintendents
ESTIMATED USE MINUTES	15
DOCUMENT LABEL	Download PDF
PDF	generator-load-sharing-evidence-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>

YachtByte Official Resource

## Event details

- Operating mode recorded: underway, alongside, anchor, yard or guest trip.
- Online generators and load percentage recorded.
- Large loads active at time of event identified.
- Recent maintenance, refit, controller or PMS changes recorded.
- Weather or operating conditions noted where relevant.

## Electrical state

- Bus voltage and frequency recorded.
- Breaker states photographed or logged.
- Generator controller alarms captured.
- PMS alarms captured.
- Load-shedding or reverse-power events recorded.

### **Comparison checks**

- Generator controller indication compared with PMS.
- Switchboard indication compared with PMS.
- Voltage, frequency and load-sharing data compared across sources.
- Shore converter or hybrid system involvement checked where applicable.
- Unknown mismatches escalated.

### **OEM escalation pack**

- Logs exported where possible.
- Photos attached.
- Settings changes avoided unless authorised.
- OEM receives exact fault pattern, not only a general generator complaint.
- Post-change test result recorded.