

Official resource

# Blackout Event Evidence Capture Sheet

SLUG	blackout-event-evidence-capture-sheet
SUMMARY	Printable evidence capture sheet for yacht blackout, partial blackout, generator trip, shore-power trip, or PMS recovery events.
RESOURCE TYPE	Worksheet
RESOURCE AREA	Power & electrical
INTENDED AUDIENCE	Chief engineers, ETOs, electricians, officers of the watch, captains
ESTIMATED USE MINUTES	15
DOCUMENT LABEL	Download PDF
PDF	blackout-event-evidence-capture-sheet-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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## Event identity

- Date, time and time zone recorded.
- Vessel location and operating mode recorded: underway, alongside, anchor, marina, yard or guest trip.
- Event type selected: full blackout, partial blackout, shore-power trip, generator trip, bus fault, PMS fault or local distribution fault.
- Duty engineer, bridge contact and reporting person recorded.
- Immediate safety concerns recorded: smoke, fire, flooding, electrical smell, abnormal noise or trapped personnel.

## Source and switchboard state

- Online generators before the event recorded.
- Running generators after the event recorded.
- Emergency generator or emergency source status recorded.
- Shore-power status, current limit and trip indication recorded where applicable.
- Main switchboard and emergency switchboard indications photographed.
- Breaker positions, busbar voltage and busbar frequency recorded before reset where safe.

**Alarm and automation evidence**

- Generator controller alarms photographed.
- PMS alarms photographed.
- UPS alarms, battery status and runtime indications recorded.
- Load-shedding events recorded.
- Synchronising, reverse-power, overcurrent, earth-fault or protection alarms recorded where shown.
- Logs exported before normalising where possible.

**Essential service status**

- Bridge informed and status updates recorded.
- Steering support status checked.
- Navigation and radio support loads checked.
- Bilge, flooding and fire alarm monitoring checked.
- Machinery monitoring and engineers' alarms checked.
- Critical network, SatCom or monitoring UPS loads checked where operationally required.

**Recovery sequence**

- Recovery decision recorded: automatic recovery, manual generator start, shore-power transfer, load-shed recovery or stop-and-investigate.
- Essential loads restored before hotel and guest comfort loads.
- Generator restart attempts counted and reason recorded.
- Voltage, frequency and load sharing checked after reconnection.
- Hotel loads restored in stages.
- Any bypass, manual mode or temporary workaround recorded.

**Closeout and corrective action**

- Suspected cause recorded.
- Corrective action owner assigned.
- Evidence pack location recorded.
- Defect, PMS job, class/flag/management notification or incident report reference recorded where applicable.
- Post-event review completed before closing the defect.
- Blackout recovery sequence updated if the event exposed a gap.