

Official resource

Bridge Data Interface and Gateway Register

SLUG	bridge-data-interface-and-gateway-register
SUMMARY	Printable register for yacht bridge data sources, protocols, gateways, destination systems, data direction, ownership, test evidence, and known limitations.
RESOURCE TYPE	Template
RESOURCE AREA	Operational templates
INTENDED AUDIENCE	ETOs, bridge technicians, AV/IT engineers, captains, yacht managers, bridge electronics providers
ESTIMATED USE MINUTES	25
DOCUMENT LABEL	Download PDF
PDF	bridge-data-interface-and-gateway-register-v1-0.pdf
VERSION	1.0
PUBLICATION STATUS	Published resource archive
IMPORTANT NOTE	This resource is practical operational guidance. It does not replace SOLAS, flag-state requirements, class requirements, the vessel SMS, bridge procedures, manufacturer manuals, approved service-provider instructions, type-approval conditions, or the authority of the Master and responsible officers onboard.

YachtByte Official Resource

Source identity

- Source system recorded.
- Data value recorded: position, heading, AIS, depth, wind, speed, route, alert or other.
- Equipment make, model and location recorded.
- Source owner recorded.
- Authoritative or secondary status recorded.
- Known fallback source recorded where applicable.

Protocol and pathway

- Protocol recorded: NMEA 0183, NMEA 0183-HS, NMEA 2000, IEC 61162-450, vendor Ethernet or other.
- Port, backbone, network segment or switch path recorded.
- Baud rate or network configuration recorded where relevant.
- Gateway, converter, multiplexer or bridge device recorded.
- Data filtering or sentence/PGN selection recorded.
- Read-only, bidirectional or control-capable direction recorded.

Destination systems

- ECDIS destination checked where applicable.
- Radar destination checked where applicable.
- VDR destination checked where applicable.
- Conning or bridge display destination checked where applicable.
- Monitoring or owner-dashboard destination checked where applicable.
- AV, guest display or fleet portal destination confirmed read-only where applicable.
- Systems that must not receive the data recorded.

Test evidence

- Source value checked at source.
- Received value checked at each critical destination.
- Timestamp or data freshness checked.
- Independent source comparison completed where useful.
- Screenshot, photo, log or configuration export stored.
- Known limitations and untested conditions recorded.

Change and closeout

- Change reason recorded.
- Person or vendor making the change recorded.
- Backup of gateway or converter configuration confirmed where supported.
- Interface matrix or network diagram updated.
- Bridge team briefed on authoritative display and secondary displays.
- Captain or responsible officer acknowledgement recorded where needed.