

TOTEM VDR 2014

Totem Plus 4th generation Voyage Data Recorder (Totem VDR 2014) complies with IMO new requirements as stated in MSC.333(90) and with I.E.C. Technical Standard IEC61996-1:2012.



Totem VDR Advantages (2014)

- Remote Maintenance with Totem Cellular Router (TCR) will minimize onboard visits by technicians and will further reduce maintenance costs.
- Conning Display on the VDR monitor (making Conning display redundant).
- Automatic event log for owner's use (monthly check recommended).
- Means of extracting Stored data from VDR: USB, DVD and LAN.
- VDR 19" monitor for monitoring, replay and diagnosis: the monitor displays status of recorded items at all times; Facilitates easy APT and commissioning.



Totem Plus

Where shipping meets high-tech

Totem VDR Technical Features

- Replay capabilities on the VDR monitor itself.
- Replay module for both ship and office.
- High Quality Single channel recording of every Microphone and VHF (no mixing of channels). 10 independent channels are available as standard.
- Built in Siemens S7 PLC makes easy interface to a large number of binary or analog inputs, allowing readout of Non NMEA systems.

VDR 2014 schedule, by MSC 333(90):

“If installed on or after 1 July 2014, conform to performance standards not inferior to those specified in the annex to the present resolution”.

VDR 2014 Requirements

VDR 2014 New Regulations MSC 333(90)	VDR Old Regulations
Fixed recording medium: 48 hours	Fixed recording medium: 12 hours
Float-free recording medium: 48 hours	Not needed
Long-term recording medium: 720 hours	Not needed by old standard but provided by Totem Plus as standard.
Audio signals to be recorded on separate channels.	Not specified by old standard.
All ship's SOLAS radar and ECDIS screens must be recorded.	Only master Radar must be recorded
Serial communication to bridge alert management system (BAMS).	Not needed
If radar screens come via LAN, IEC61162-450/IEC62388 must be met.	Not needed



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