

Marine type approval system for cyber-enabled components



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Lloyd's Register (LR) has released what it said were the first Type Approval Requirements for components within Cyber Enabled Systems on board Ships – Procedure for Network and Network-related devices.

LR said that an introduction of this type of approval procedure was important, as it defined “a critical point in the evolution of smart technology implementation within the marine and offshore industry – delivering an assurance system that provides confidence in the market for the supply of cyber-enabled components.”



Cyber security.

The type approval procedure will address:

- Production quality assessment in the supply chain
- Marine environment testing for cyber enabled components
- Verification of the cyber functions, such as communication and cyber security

LR said that shipyards and designers would be able to select type approved component parts to build cyber-enabled ‘smart’ ship systems with a new level of confidence and quality indication. LR Marine & Offshore Innovation Strategy and Research Director Luis Benito said that type approval would work with LR’s Cyber-Enabled ShipRight document, providing type approved components to use in cyber systems, such as predictive maintenance and performance optimization.”

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