

# No. 114 Recommendation for operational testing, inspection and documentation of emergency shutdown valves for liquefied gas carriers

(June 2010)  
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Reference is made to IGC Code (Res.MSC.5(48) as amended by Res.MSC.370(93)) Reg. 18.10.5 and 18.6.2.

## 1 Scope

This document is to provide guidelines on the operational testing, inspection and documentation of emergency shut down valves (ESD) for Liquefied Gas Carriers.

## 2 Emergency Shut Down Valves

### 2.1 Testing and Inspection

The IGC Code Reg 18.10.5 states:

*“Cargo emergency shutdown and alarm systems involved in cargo transfer shall be checked and tested before cargo handling operations begin.”*

The IGC Code Reg 18.6.2 states:

*“Essential cargo handling controls and alarms shall be checked and tested prior to cargo transfer operations.”*

Ship operators should periodically verify that the ESD valves onboard their vessels function correctly. The test results should be recorded.

Also, as part of the check on the integrity of the cargo containment system, the ESD valves should be pressure tested and internally inspected. Pressure testing at the same pressure as working pressure is recommended to be conducted every 5 years.

### 2.2 Documentation

The instruction manual produced by the ESD valve manufacturer providing information on installing, servicing and reassembly of the valves should be retained on board the ship.

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