



## TECHNICAL CIRCULAR No. 087 of 28<sup>th</sup> October 2012

To:	All Surveyors/Auditor
Applicable to flag:	All Flags
Subject:	<b>Gas Fuel Code – ships other than IGC Code vessels</b>
Reference:	IMO- Gas Fuel Code

### **Gas Fuel Code (ALL NEW SHIPS)**

A new mandatory Code is being developed to establish standards for gas-fueled ships, other than vessels covered by the IGC Code, operating with gas or low flashpoint liquids as fuel. Mandatory criteria are provided for the arrangement, installation and operation of machinery, equipment and systems for such vessels to minimize the risk to the ship, its crew and the environment. The types of fuels that are accounted for are:

- Natural gas - liquid and compressed
- Propane - liquid and compressed
- Butane (i and n) - liquid and compressed
- Propane/Butane mixtures - liquid and compressed
- Ethyl alcohol - liquid
- Methyl alcohol - liquid
- Hydrogen - liquid and compressed
- Dimethyl-ether – liquid

Fuel containment systems, including piping connections and secondary barriers, elimination of sources of ignition in hazardous areas and prevention of unintended accumulation of explosive, flammable or toxic gas concentrations are specified to provide for safe and suitable fuel supply, storage and bunkering arrangements of fuel in the required state without leakage or environmental emissions during all routine and unscheduled operations and situations including idle periods. Safety requirements for single, dual and multi fueled engine arrangements, boilers, gas turbines and fuel cell installations are included.

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Consensus has not yet been reached on the need for permanently installed gas detectors in ventilation inlets to accommodation and machinery spaces versus setting limitations on the location of ventilation inlets in relation to hazardous areas.

**REFERENCES:**

Gas Fuel Code

**ATTACHMENTS:** No.

Kindest Regards,  
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