



JABATAN LAUT MALAYSIA
MARINE DEPARTMENT MALAYSIA

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Notis kepada pemilik kapal, agen perkapalan, Nakhoda, pelaut, pengusaha pelabuhan dan industri maritim
Notice to shipowners, ship agents, Masters, seafarers, port operators and the maritime industry

AMENDMENTS TO THE INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA, 1974, AS AMENDED – REQUIREMENT OF OXYGEN MEASURING DEVICE AND HYDROCARBON DETECTION SYSTEM FOR OIL TANKERS

1. The purpose of this Notice is to inform the maritime community of the amendments to SOLAS CHAPTER II-2 adopted through resolution by Maritime Safety Committee on its 87th session on 30th June 2010 adopted on 21st May 2010, which will be entered into force on 1 January 2012 [RESOLUTION MSC.291\(87\)](#)
2. This amendments are revised regulation 4 of Chapter II-2 for the requirement of Gas measurement and detection as well as arrangement for gas measurement and fixed hydrocarbon gas detection systems in double-hull spaces and double-bottom spaces
3. The details of the amendments to Chapter II-2 of (SOLAS 74 as amended) are as follows:

CHAPTER II-2
CONSTRUCTION – FIRE PROTECTION, FIRE DETECTION AND FIRE
EXTINCTION

Part A
General

Regulation 1 – Application

2 In paragraph 2.2, in subparagraph .4, the word "and" is deleted; in subparagraph .5 the word "and" is added at the end; and the following new subparagraph .6 is added after the existing subparagraph .5:

"6 regulation 4.5.7.1."

Part B
Prevention of fire and explosion

Regulation 4 – Probability of ignition

3 The existing paragraph 5.7 is replaced by the following:

"5.7 Gas measurement and detection

5.7.1 Portable instrument

Tankers shall be equipped with at least one portable instrument for measuring oxygen and one for measuring flammable vapour concentrations, together with a sufficient set of spares. Suitable means shall be provided for the calibration of such instruments.

5.7.2 Arrangements for gas measurement in double-hull spaces and double-bottom spaces

5.7.2.1 Suitable portable instruments for measuring oxygen and flammable vapour concentrations in double-hull spaces and double-bottom spaces shall be provided. In selecting these instruments, due attention shall be given to their use in combination with the fixed gas sampling line systems referred to in paragraph 5.7.2.2.

5.7.2.2 Where the atmosphere in double-hull spaces cannot be reliably measured using flexible gas sampling hoses, such spaces shall be fitted with permanent gas sampling lines. The configuration of gas sampling lines shall be adapted to the design of such spaces.

5.7.2.3 The materials of construction and dimensions of gas sampling lines shall be such as to prevent restriction. Where plastic materials are used, they shall be electrically conductive.

5.7.3 Arrangements for fixed hydrocarbon gas detection systems in double-hull and double-bottom spaces of oil tankers

5.7.3.1 In addition to the requirements in paragraphs 5.7.1 and 5.7.2, oil tankers of 20,000 tonnes deadweight and above, constructed on or after 1 January 2012, shall be provided with a fixed hydrocarbon gas detection system complying with the **Fire Safety Systems Code** for measuring hydrocarbon gas concentrations in all ballast tanks and void spaces of double-hull and double-bottom spaces adjacent to the cargo tanks, including the forepeak tank and any other tanks and spaces under the bulkhead deck adjacent to cargo tanks.

5.7.3.2 Oil tankers provided with constant operative inerting systems for such spaces need not be equipped with fixed hydrocarbon gas detection equipment.

5.7.3.3 Notwithstanding the above, cargo pump-rooms subject to the provisions of paragraph 5.10 need not comply with the requirements of this paragraph."