
To: Relevant shipowners, ship management companies, shipyards and designers, product manufacturer, related departments of the Headquarters of CCS, the Society's surveyors, Plan Approval Centers

Technical Notice on “AMENDMENTS TO THE INTERNATIONAL CODE FOR FIRE SAFETY SYSTEMS (FSS CODE) (Resolution MSC.457 (101))” Issued by IMO

I. Background

1. The Maritime Safety Committee of the International Maritime Organization, at its 101st session, adopted AMENDMENTS TO THE INTERNATIONAL CODE FOR FIRE SAFETY SYSTEMS (FSS CODE) (Resolution MSC.457 (101)) on 14 June 2019. Tankers constructed on or after 1 January 2024 shall meet the requirement of the above resolution.

II. Main Issues of the Amendment

Main contents of MSC.457 (101):

(1) Amending FSS CODE CHAPTER 15, the word ‘...forward of the non-return devices ...’ in Paragraph 2.2.3.2.1, 2.2.3.2.6, 2.2.4.6 has been replaced by the word ‘...downstream of the non-return devices....’. Specific as follows:

(1) FSS Code 15.2.2.3.2.1: The inert gas main may be divided into two or more branches downstream of the non-return devices required by paragraph 2.2.3.1.

(2) FSS Code 15.2.2.3.2.6: Arrangements shall be provided to enable the inert gas main to be connected to an external supply of inert gas. The arrangements

shall consist of a 250 mm nominal pipe size bolted flange, isolated from the inert gas main by a valve and located downstream of the non-return valve.

(3) FSS Code15.2.2.4.2.1: When inert gas is being supplied, instrumentation shall be fitted to continuously indicate and permanently record the pressure of the inert gas mains downstream of the non-return devices.

Please contact Technical and information Department of CCS for any inquiry in the implementation. E-mail address: ti@ccs.org.cn. This Notice is made public on CCS website (www.ccs.org.cn), and is to be distributed to relevant shipyards, ship owners, testing institutes and ship designers by CCS branches within their responsible areas.

Annex 1: AMENDMENTS TO THE INTERNATIONAL CODE FOR FIRE SAFETY SYSTEMS (FSS CODE) (Resolution MSC.457 (101)) (both in the original English version and Chinese translation).

ANNEX 2

**RESOLUTION MSC.457(101)
(adopted on 14 June 2019)**

**AMENDMENTS TO THE INTERNATIONAL CODE
FOR FIRE SAFETY SYSTEMS (FSS CODE)**

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

RECALLING ALSO resolution MSC.98(73), by which it adopted the International Code for Fire Safety Systems ("the FSS Code"), which has become mandatory under chapter II-2 of the International Convention for the Safety of Life at Sea (SOLAS), 1974 (hereinafter referred to as "the Convention"),

RECALLING FURTHER article VIII(b) and regulation II-2/3.22 of the Convention concerning the procedure for amending the FSS Code,

HAVING CONSIDERED, at its 101st session, amendments to the FSS Code proposed and circulated in accordance with article VIII(b)(i) of the Convention,

1 ADOPTS, in accordance with article VIII(b)(iv) of the Convention, amendments to the FSS Code, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that the amendments shall be deemed to have been accepted on 1 July 2023 unless, prior to that date, more than one third of the Contracting Governments to the Convention or Contracting Governments, the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have notified their objections to the amendments;

3 INVITES Contracting Governments to note that, in accordance with article VIII(b)(vii)(2) of the Convention, the amendments shall enter into force on 1 January 2024 upon their acceptance in accordance with paragraph 2 above;

4 REQUESTS the Secretary-General, in conformity with article VIII(b)(v) of the Convention, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Contracting Governments to the Convention;

5 REQUESTS ALSO the Secretary-General to transmit copies of this resolution and its annex to Members of the Organization which are not Contracting Governments to the Convention.

ANNEX

**AMENDMENTS TO THE INTERNATIONAL CODE
FOR FIRE SAFETY SYSTEMS (FSS CODE)**

**CHAPTER 15
INERT GAS SYSTEMS**

2 Engineering specifications

2.2 Requirements for all systems

2.2.3.2 Inert gas lines

- 1 Paragraph 2.2.3.2.1 is replaced by the following:

"2.2.3.2.1 The inert gas main may be divided into two or more branches downstream of the non-return devices required by paragraph 2.2.3.1."

- 2 Paragraph 2.2.3.2.6 is replaced by the following:

"2.2.3.2.6 Arrangements shall be provided to enable the inert gas main to be connected to an external supply of inert gas. The arrangements shall consist of a 250 mm nominal pipe size bolted flange, isolated from the inert gas main by a valve and located downstream of the non-return valve. The design of the flange should conform to the appropriate class in the standards adopted for the design of other external connections in the ship's cargo piping system."

2.2.4 Indicators and alarms

- 3 Paragraph 2.2.4.2 is replaced by the following:

"2.2.4.2 Instrumentation shall be fitted for continuously indicating and permanently recording, when inert gas is being supplied:

- .1 the pressure of the inert gas mains downstream of the non-return devices; and
- .2 the oxygen content of the inert gas."
