

SUB-COMMITTEE ON SHIP SYSTEMS AND
EQUIPMENT
6th session
Agenda item 12

SSE 6/12/13
21 December 2018
Original: ENGLISH

**UNIFIED INTERPRETATION OF PROVISIONS OF IMO SAFETY,
SECURITY, AND ENVIRONMENT RELATED CONVENTIONS**

**Unified Interpretation on provisions relating to emergency source of
electrical power on Gas Carriers and Chemical Tankers (SOLAS regulation II-1/43.6)**

Submitted by IACS

SUMMARY

Executive summary: IACS has identified the need to provide clarification regarding the requirements of SOLAS regulation II-1/43.6, noting the requirements of paragraph 2.7.2.2 of the revised IGC Code, as amended by resolution MSC.370(93), with a view to facilitating the global and consistent implementation of these provisions

Strategic direction, if applicable: 6

Output: 6.1

Action to be taken: Paragraph 7

Related documents: None

Introduction

1 SOLAS regulation II-1/43.6 states:

"The emergency generator and its prime mover and any emergency accumulator battery shall be so designed and arranged as to ensure that they will function at full rated power when the ship is upright and when inclined at any angle of list up to 22.5° or when inclined up to 10° either in the fore or aft direction or is in any combination of angles within those limits."

Discussion

2 Since 1985, IACS members have applied IACS Unified Interpretation (UI) SC6 when verifying the implementation of SOLAS regulation II-1/43.6. IACS UI SC6 requires IACS members, in addition to the provisions of SOLAS regulation II-1/43.6, to take into account, for ships to which they apply, either the requirements of:

- .1 paragraph 2.7.2.2 of the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code) (resolution MSC.5(48));
or
- .2 paragraph 2.9.3.2 of the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) (resolution MSC.4(48)).

3 Both of the requirements identified in paragraphs 2.1 and 2.2 above state that the emergency generator and its prime mover and any accumulator battery function at full rated power is to be capable of operating at the prescribed angle of list and inclination at final equilibrium after flooding.

4 IACS has discussed the need to clarify the application of the above unified interpretation in the context of the revised IGC Code, as adopted by resolution MSC 370(93), in which the provisions referred to in paragraph 2.1 above, are now reproduced as paragraph 2.7.2.2.

5 IACS has consequently developed IACS UI SC290, a copy of which is provided in the annex to this document.

6 The Sub-Committee is invited to note that IACS members intend to uniformly implement UI SC290 from 1 January 2020, unless they are provided with written instructions to apply a different interpretation by the Administration on whose behalf they are authorized to act as a recognized organization.

Action requested of the Sub-Committee

7 The Sub-Committee is invited to consider the foregoing and the UI, as set out in the annex, and take action, as appropriate.

ANNEX

SC 290 Emergency source of electrical power on Gas Carriers and Chemical Tankers

(Dec 2018) SOLAS Chapter II-1, Regulation 43.6 reads:

"6 *The emergency generator and its prime mover and any emergency accumulator battery shall be so designed and arranged as to ensure that they will function at full rated power when the ship is upright and when inclined at any angle of list up to 22.5° or when inclined up to 10° either in the fore or aft direction, or is in any combination of angles within those limits.*"

Interpretation

The following additional requirements are to be taken into account:

1. IMO International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (Res.MSC.5(48) as amended by Res.MSC.370(93)), clause 2.7.2.2.
2. IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk, clause 2.9.3.2.

Note:

1. This UI is to be uniformly implemented by IACS Societies on ships constructed on or after 1 January 2020.
-