Attachment:

RESOLUTION MSC.313(88)
(adopted on 26 November 2010)

AMENDMENTS TO THE GUIDELINES FOR THE APPLICATION OF PLASTIC PIPES ON SHIPS (RESOLUTION A.753(18))

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.61(67), by which it adopted the International Code for Application of Fire Test Procedures (FTP Code) for the testing of new marine materials which are increasingly being introduced into the design and construction of ships and craft engaged in international maritime transport,

RECALLING FURTHER resolution A.753(18), by which the Assembly, at its eighteenth session, adopted Guidelines for the application of plastic pipes on ships, to assist maritime Administrations to determine, in a rational and uniform manner, the permitted applications of such materials,

NOTING that part 2 of the FTP Code makes reference to resolution A.753(18) for the testing of materials for smoke and toxic hazards,

RECOGNIZING that the continual development of plastic materials for use on ships and improvement of marine safety standards since the adoption of resolution A.753(18) necessitated the revision of the provisions of the Guidelines for the application of plastic pipes on ships in order to take into account technological developments and maintain the highest practical level of safety,

NOTING FURTHER that the Assembly requested the Committee to keep the Guidelines under review and amend them as necessary,

HAVING CONSIDERED, at its eighty-eighth session, amendments to the Guidelines for the application of plastic pipes on ships, proposed by the Sub-Committee on Fire Protection at its fifty-fourth session,

1. ADOPTS amendments to the Guidelines for the application of plastic pipes on ships (resolution A.753(18)), the text of which is set out in the Annex to the present resolution;

2. INVITES Governments to apply the annexed amendments when considering the use of plastic piping on board ships flying the flag of their State.

ANNEX

AMENDMENTS TO THE GUIDELINES FOR THE APPLICATION OF PLASTIC PIPES ON SHIPS (RESOLUTION A.753(18))

1 The existing paragraph 1.2.3 is replaced by the following:

"These Guidelines are applicable to piping systems made predominantly of other material than metal. The use of mechanical and flexible couplings which are accepted for use in metallic piping systems is not addressed."

2 In paragraph 1.4.1, the following sentence is added at the end:

"Plastic includes synthetic rubber and materials of similar thermo/mechanical properties."

3 In paragraph 2.2.1.2.1, the following text is added at the end:

"Level 1W – Piping systems similar to level 1 systems except these systems do not carry flammable fluid or any gas and a maximum 5% flow loss in the system after exposure is acceptable*."

4 In paragraph 2.2.1.2.2, the following text is added at the end:

"Level 2W – Piping systems similar to level 2 systems except a maximum 5% flow loss in the system after exposure is acceptable*."

5 In paragraph 4.1.1 after the words "pipe dimension" add the words ", length of the piping".

6 In appendix 1, note 2 to paragraph 1, the words "as set out in paragraph 3.1.3 of the annex to Assembly resolution A.517(13)" are replaced by the words "as set out in paragraphs 7.1, 7.2 and 7.3 of the annex to Assembly resolution A.754(18)".

7 In appendix 1, paragraph 6, the words "without leakage" at the end of the second sentence are deleted and the following new text is inserted after the second sentence:

"Pipes without leakage qualify as level 1 or 2 depending on the test duration. Pipes with negligible leakage, i.e. not exceeding 5% flow loss, qualify as level 1W or level 2W depending on the test duration."

8 In appendix 4, in the Fire Endurance Requirements Matrix, "L1" is replaced by "L1W" in rows 14, 15 and 23 and "L2" is replaced by "L2W" in rows 16, 17 and 31.

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* The flow loss must be taken into account when dimensioning the system.