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MSC.1/Circ.1269
3 June 2008

**AMENDMENTS TO THE REVISED GUIDELINES FOR THE APPROVAL OF
EQUIVALENT WATER-BASED FIRE-EXTINGUISHING SYSTEMS FOR
MACHINERY SPACES AND CARGO PUMP-ROOMS (MSC/CIRC.1165)**

1 The Committee, at its eightieth session (11 to 20 May 2005), after having considered the proposal by the forty-ninth session of the Sub-Committee on Fire Protection regarding review on the Guidelines for the approval of equivalent water-based fire-extinguishing systems as referred to in SOLAS 74 for machinery spaces and cargo pump-rooms (MSC/Circ.668, as amended by MSC/Circ.728), approved Revised Guidelines for the approval of equivalent water-based fire-extinguishing systems for machinery spaces and cargo pump-rooms (MSC/Circ.1165).

2 The Committee, at its eighty-third session (3 to 12 October 2007), after having considered the proposal by the Sub-Committee on Fire Protection at its fifty-first session, approved amendments to figures 1, 2 and 3 of the Revised Guidelines for the approval of equivalent water-based fire-extinguishing systems for machinery spaces and cargo pump-rooms (MSC/Circ.1165) by means of circular MSC.1/Circ.1237.

3 The Sub-Committee on Fire Protection, at its fifty-second session (14 to 18 January 2008), prepared further amendments to the Revised Guidelines for the approval of equivalent water-based fire-extinguishing systems for machinery spaces and cargo pump-rooms (MSC/Circ.1165).

4 The Committee, at its eighty-fourth session (7 to 16 May 2008), after having considered the above proposal, approved the amendments to the Revised Guidelines for the approval of equivalent water-based fire-extinguishing systems for machinery spaces and cargo pump-rooms (MSC/Circ.1165), set out in the annex.

5 Member Governments are invited to apply the annexed amendments to the Revised Guidelines when approving equivalent water-based fire-extinguishing systems for machinery spaces and pump-rooms on and after 9 May 2008, and bring them to the attention of ship designers, shipowners, equipment manufacturers, test laboratories and other parties concerned.

ANNEX

**AMENDMENTS TO THE REVISED GUIDELINES FOR THE APPROVAL OF
EQUIVALENT WATER-BASED FIRE-EXTINGUISHING SYSTEMS FOR
MACHINERY SPACES AND CARGO PUMP-ROOMS (MSC/CIRC.1165)**

- 1 In paragraph 15, the reference “paragraph 10” is replaced by the reference “paragraph 11”.
- 2 Appendix A is amended as follows:
 - .1 in paragraph 3.2, the round brackets around the reference “6.2” are changed to square brackets;
 - .2 paragraph 3.2.3 is inserted as follows:

“3.2.3 The nominal release temperature that should be marked on the nozzle should be that determined when the nozzle is tested in accordance with 4.6.1, taking into account the specifications of 3.3.”;
 - .3 in paragraph 3.5.1, last sentence, the words “or the nozzle should then comply with the requirements of 4.11” are deleted;
 - .4 paragraph 3.5.2 is replaced by the following:

“3.5.2 The nozzle discharge components should not sustain significant damage as a result of the functional test specified in 4.5 and should have the same flow constant range within 5 % of values previously determined per 3.4.1.”;
 - .5 in paragraph 3.7.2.1, the words “in accordance with 4.9.2.1” are deleted;
 - .6 in paragraph 3.7.2.2, the words “when tested in accordance with 4.9.2.2” are deleted;
 - .7 in paragraph 3.11.1, the references “4.12.1” and “4.12.2” are replaced by the references “4.11.1” and “4.11.2”, respectively;
 - .8 in paragraph 3.11.2, the references “4.12.3” and “4.12.2” are replaced by the references “4.11.3” and “4.11.2”, respectively;
 - .9 in paragraph 3.11.3, all references “4.12.4” are replaced by the reference “4.11.4”;
 - .10 in paragraph 3.11.4, all references “4.12.5” are replaced by the reference “4.11.5”;
 - .11 in paragraph 3.12.1, all references “4.13.1” are replaced by the reference “4.12.1”;
 - .12 in paragraph 3.12.2, all references “4.13.2” are replaced by the reference “4.12.2”;
 - .13 in paragraph 3.13, all references “4.15” are replaced by the reference “4.14”;
 - .14 in paragraph 3.15, all references “4.14” are replaced by the reference “4.13”;

- .15 paragraph 3.15.3 is deleted;
- .16 in paragraph 3.16, all references “4.16” are replaced by the reference “4.15”;
- .17 in paragraph 3.17, the reference “4.17” is replaced by the reference “4.16” and the reference “4.1” is replaced by the reference “4.16”;
- .18 in paragraph 3.18, the references “4.18” and “4.21” are replaced by the reference “4.17”;
- .19 in paragraph 3.19, the references “4.19” and “4.22” are replaced by the reference “4.18”;
- .20 in paragraph 3.20, all references “4.23” are replaced by the reference “4.19”;
- .21 section 3.21 (Water shield) is deleted but existing paragraph numbers should be retained;
- .22 in paragraph 3.22, the references “4.21” and “4.21.3” are replaced by the references “4.20” and “4.20.3”, respectively;
- .23 in paragraph 4.3, the reference “(see 3.6)” is added before the reference “[7.3]”;
- .24 in paragraph 4.6.2, the reference “(see 3.4)” is replaced by the reference “(3.14)”;
- .25 in paragraph 4.11.1.5, the reference “3.1.5” is replaced by the reference “3.5.1”;
- .26 in paragraph 4.11.2.4, the references “4.12.5.5” and “4.12.5.6” are replaced by the references “4.11.1.5” and “4.11.2.6”, respectively;
- .27 in paragraph 4.11.2.5, the reference “4.12.5.2” is replaced by the reference “4.11.2.2”;
- .28 in paragraph 4.11.2.6, the reference “4.12.5.1” is replaced by the reference “4.11.2.2”;
- .29 in paragraph 4.11.4.2, the reference “4.12.3.1” is replaced by the reference “4.11.4.1”;
- .30 in paragraph 4.12.2, the reference “3.1.12.2” is replaced by the reference “3.12.2”;
and
- .31 in paragraph 4.18.2, the reference “3.2.4” is replaced by the reference “3.8”.

3 Appendix B is amended as follows:

- .1 in paragraph 4.3.2.2.1, the words “with the top of the rim 0.85 m below the plate” are inserted after the words “as shown in table 1 and figure 2”;
- .2 in paragraph 4.3.2.2.2, the first and second sentences are replaced as follows:

“Except for the flowing fire, the rim height of the trays should be 150 mm and the tray should be filled with 50 mm of fuel. Additional water should be added to provide a freeboard of 50 mm. For the flowing fire, the 4 m² fire tray below the engine mock-up should be filled with a 50 mm water base and the 3 m² fire tray on top of the engine mock-up should be filled with a 40 mm water base.”;
- .3 the existing paragraph 4.5.1 is replaced by the following:

“Except for the flowing fire, the trays used in the test should be filled with at least 50 mm fuel on a water base. Freeboard should be 150 ± 10 mm. For the flowing fire, the fuel should be ignited when flowing down the side of the mock-up, approximately 1 m below the notch. The pre-burn time should be measured from the ignition of the fuel.”; and
- .4 in paragraph 4.5.4.1, the words “and thermal management tests” are inserted after the words “the fuel tray fires”.