REPORT TO THE MARITIME SAFETY COMMITTEE

Revised Guidelines for the approval of fixed water-based local application fire-fighting systems for use in category A machinery spaces (MSC/Circ.913)

Corrigendum

In annex 6 to document FP 54/25, the following paragraph is added after the existing paragraph 3.2:

"3.3 System components

.1 The system should be available for immediate use and capable of continuously supplying water-based medium for at least 20 min in order to suppress or extinguish the fire and to prepare for the discharge of the main fixed fire-extinguishing system within that period of time.

.2 The system and its components should be suitably designed to withstand ambient temperature changes, vibration, humidity, shock, impact, clogging and corrosion normally encountered in machinery spaces. Components within the protected spaces should be designed to withstand the elevated temperatures which could occur during a fire. Components should be tested in accordance with the listed sections of appendix A of MSC/Circ.1165, as amended by MSC.1/Circ.1269, as modified below:

<table>
<thead>
<tr>
<th>MSC/Circ.1165, as amended by MSC.1/Circ.1269 Appendix A paragraph no.</th>
<th>Modifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 Dimensions</td>
<td></td>
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<tr>
<td>3.4.1 Flow constant</td>
<td></td>
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<tr>
<td>3.11.1 Stress corrosion</td>
<td></td>
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<tr>
<td>3.11.2 Sulphur dioxide corrosion</td>
<td>Open nozzles should be subject to post test visual examination. The requirements of paragraph 3.14.2 are not applicable</td>
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<tr>
<td>3.11.3 Salt spray corrosion</td>
<td>The NaCl concentration used for the test should be 20%. Following exposure, open nozzles should meet the flow constant requirements of paragraph 3.4.1. The requirements of paragraphs 3.14.2 and 4.11.4.2 are not applicable</td>
</tr>
</tbody>
</table>
### 3.12 Integrity of nozzle coating

Applicable only if the nozzles have wax or bitumen coatings.

### 3.15 Resistance to heat

Open nozzles should be subject to post test visual examination. The requirements of paragraphs 3.5 and 3.8 are not applicable.

### 3.16 Resistance to vibration

Open nozzles should be subject to post test visual examination. The requirements of paragraphs 3.5 and 3.8 are not applicable.

### 3.17 Impact test

### 3.22 Clogging test

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.3 The system and its components should be designed and installed based on international standards acceptable to the Organization*, and manufactured and tested in accordance with the appropriate elements of the appendix to these Guidelines.

.4 The electrical components of the pressure source for the system should have a minimum rating of IPX4** if located in the protected space. Systems requiring an external power source need only be supplied by the main power source.

.5 The water supply for local application systems may be fed from the supply to a water-based main fire-fighting system, providing that adequate water quantity and pressure are available to operate both systems for the required period of time. Local application systems may form a section(s) of a water-based main fire-extinguishing system provided that all requirements of SOLAS regulation II-2/10.5, these Guidelines, and MSC/Circ.1165, as amended by MSC.1/Circ.1237 and MSC.1/Circ.1269, are met, and the systems are capable of being isolated from the other sections of the main system.

.6 A means for testing the operation of the system for assuring the required pressure and flow should be provided.

.7 Spare parts and operating and maintenance instructions for the system should be provided as recommended by the manufacturer.

.8 A fitting should be installed on the discharge piping of open head systems to permit blowing air through the system during testing to check for possible obstructions.

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* Pending the development of international standards acceptable to the Organization national standards as prescribed by the Administration should be applied.

** X means the characteristic numeral used to mark the degree of protection against access to hazardous parts and ingress of solid foreign objects, which could be 0.1 to 6.