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**GUIDELINES FOR THE USE AND INSTALLATION OF DETECTORS  
EQUIVALENT TO SMOKE DETECTORS**

- 1 The Maritime Safety Committee, at its seventy-fifth session (15 to 24 May 2002), approved Guidelines for the use and installation of detectors equivalent to smoke detectors, as required by SOLAS regulation II-2/7, set out in the annex.
- 2 Member Governments are invited to apply the annexed Guidelines when approving detectors equivalent to smoke detectors.

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## ANNEX

**GUIDELINES FOR THE USE AND INSTALLATION OF DETECTORS  
EQUIVALENT TO SMOKE DETECTORS****General**

- 1 Detectors fitted as equivalent to smoke detectors required by SOLAS regulation II-2/7<sup>1</sup> should have a reliability and sensitivity performance at least comparable to smoke detectors required by SOLAS.
- 2 The detector, system and its components should be designed, installed and tested<sup>2</sup> in accordance with the same standards used for smoke detectors which are in keeping with the Organization's requirements<sup>3</sup>.

**Principal requirements**

- 3 The requirements of chapter 9 of the Fire Safety Systems (FSS) Code<sup>4</sup>, except as modified by these guidelines, should apply.
- 4 Where carbon monoxide detectors are used, the alarm threshold should be set at 40 ppm with the ability of the detector to be adjusted to high and low sensitivity settings in order to obtain the optimum performance after considering the fire hazard and the likely source and to minimise false alarms.

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<sup>1</sup> Refers to the revised SOLAS chapter II-2, adopted by resolution MSC.99(73).

<sup>2</sup> e.g. EN54, part 7, test fires

<sup>3</sup> Reference is made to the testing standard to be developed by the Organization.

<sup>4</sup> Refers to the International Code for Fire Safety Systems, adopted by the Organization by resolution MSC.98(73).