

	<b>Maritime and Coastguard Agency</b> <b>SURVEYOR ADVICE NOTE</b>	<b>Document number:</b> <b>SAN 80</b>
<b>Revision:</b> 01	Carriage of atmosphere testing equipment for entry into enclosed spaces	<b>Date:</b> 5 July 2016
<b>Target document:</b>	Instructions to Surveyors MSIS 14	
<b>Distribution</b>	<b>HQ and Marine Offices, Class Societies, Recognised Organisations, Red Ensign Group</b>	
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### Key Changes

From 1 January 2016, it has been mandatory under SOLAS Chapter XI Reg 1/7 for all SOLAS ships to carry atmosphere testing equipment for entry into enclosed spaces. Guidance on the selection of such equipment is in MSC 1.Circ. 1477. This SAN clarifies requirements on carriage of calibration equipment.

#### Introduction:

1. From 1 January 2016, SOLAS ships are required to carry portable equipment capable of testing and displaying concentrations of:

- .1 oxygen;
- .2 flammable gases or vapours (% of LFL);
- .3 carbon monoxide; and
- .4 hydrogen sulphide.

2. Suitable means must be provided for the calibration of the equipment.

3. This notice covers only equipment carried for the purpose of pre-entry testing – it does not include personal gas monitors.

#### Calibration equipment:

4. Upon activation, the instrument should perform a "self-test" which indicates that the instrument is functioning correctly. In addition, the manufacturers' instructions should have clearly defined calibration requirements. (MSC.1 Circ 1477).

5. Where the operation of the ship permits regular and frequent access (e.g. ferry services), the calibration equipment may be kept ashore.

6. Arrangements for calibration should be clear from the ship's SMS. This should include the caveat that if, exceptionally, calibration is not possible in accordance with the manufacturer's instructions, no enclosed space entry should be undertaken on the basis of readings from the atmosphere testing equipment until that has been rectified.

7. Ships operating deep sea with infrequent or unpredictable access to shore-based facilities must carry the calibration equipment on board.

### **Non-SOLAS Ships**

8. Any non-SOLAS ships carrying atmosphere testing equipment for entry into enclosed spaces should also have calibration equipment in accordance with this notice.

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