

## SECTION 3

## SUPPRESSION OF FIRE: DETECTION AND ALARM

### 1 General

#### 1.1 Application

**1.1.1** The present Section applies only to yachts of 24 m in length and over.

### 2 Initial and periodical tests

#### 2.1 General

**2.1.1** The function of fixed fire detection and fire alarm systems required by the relevant Sections are to be tested under varying conditions of ventilation after installation.

**2.1.2** The function of fixed fire detection and fire alarm systems are to be periodically tested to the satisfaction of the Society by means of equipment producing hot air at the appropriate temperature, or smoke or aerosol particles having the appropriate range of density or particle size, or other phenomena associated with incipient fires to which the detector is designed to respond.

### 3 Protection of machinery spaces of category A

#### 3.1 Installation

**3.1.1** A fixed fire detection and alarm system complying with Ch 4, Sec 10, [6] are to be installed in machinery spaces of category A.

#### 3.2 Design

**3.2.1** The fixed fire detection and fire alarm system required in [3.1.1] are to be so designed and the detectors so positioned as to detect rapidly the onset of fire in any part of those spaces and under any normal conditions of operation of the machinery and variations of ventilation as required by the possible range of ambient temperatures. Except in spaces of restricted height and where their use is specially appropriate, detection systems using only thermal detectors are not to be permitted.

**3.2.2** The detection system is to initiate audible and visual alarms distinct in both respects from the alarms of any other system not indicating fire, in sufficient places to ensure that the alarms are heard and observed on the navigation bridge and by a responsible engineer officer. When the navigation bridge is unmanned, the alarm is to sound in a place where a responsible member of the crew is on duty.

### 4 Protection of accommodation and service spaces

#### 4.1 Installation requirements

**4.1.1** A fixed fire detection and alarm system complying with Ch 4, Sec 10, [6] are to be installed in accommodation and service spaces arranged as to provide smoke detection in escape ways within accommodation spaces.