



TECHNICAL CIRCULAR No. 714 of 6th January 2022

To	All Surveyors/Auditors. All flags
Title	Heat Detectors
Reference	CONARINA -Instruction to surveyors

Noncompliant Position of Heat Detectors

During the engine room inspection of a 3500GT, the engine control room (ECR), heat detectors were found installed 0.3 meters away from the bulkhead behind the switchboard.

The drawing did not indicate spacing details for the heat detectors.

The FSS Code requires detectors to be located not near beams, ventilation ducts, and other positions, where airflow could adversely affect performance.

On the overhead, detectors should be at a minimum distance of 0.5 meters, or roughly 1.65 feet, away from bulkheads, except in corridors, lockers, and stairways.

An incorrect position of the detectors could impair the effectiveness of the fire detection during an emergency leading to an increased risk of safety to life, property, and the natural environment.

The surveyor informed the Master/owner/shipyard of the noncompliance.

Two heat detectors were relocated away from the bulkhead to meet the minimum 0.5-meter requirement.

The detectors were inspected, tested, and considered satisfactory.

The risk for a Port State Control finding and the associated delays related to the noncompliant position of heat detectors were minimized.

The drawings to indicate detailed arrangement and locations of equipment.

Knowing the Rules and statutory requirements allows surveyors to perform their survey better.

Careful inspection is key to the early identification of actual installation for compliance with regulatory requirements.

Airflow should not be negatively impacted in the way of fire detectors.

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REFERENCES:

- FFC Code

ATTACHMENTS: No

Kindest Regards,
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