



TECHNICAL CIRCULAR No. 828 of 4th June 2024

To	All Surveyors/Auditors. All flags
Title	Boundaries of cargo spaces
Reference	IMSBC Code Coal Requirements

Boundaries of cargo spaces are to be resistant to fire and liquids.

Electrical equipment fitted in the cargo holds are to be of a safe type.

Not suitable explosion protected type electrical equipment are to be capable of being positively isolated from outside of the spaces and have the enclosure having a protection degree of IP56 or upwards for motors & IP55 or upwards for lightings, and caution plates to ensure isolation of electrical equipment are to be provided.

Surveyors must verify:

Suitable means for measuring the following gases, etc. in cargo spaces without entry into such spaces are to be provided. An electrical measuring device is to be of safe type having an explosion protection grade of IIAT4 or upwards.

- Methane
- Oxygen
- Carbon monoxide
- pH value
- Temperature (0 - 100°C)
- Hydrogen

(These instruments should be serviced and calibrated as per manufacturer's instructions)

Two sets of self-contained breathing apparatus are to be provided.

Note: The apparatus required by SOLAS Regulation II-2/10.1& 10.2 (Ch. 3.2.1.2 of FSS Code) may be used for this purpose.

"No Smoking" signs are to be posted in conspicuous places.

(e.g. a permanent warning plate is to be installed in conspicuous places in cargo areas to state that smoking, naked flames, burning, cutting, chipping, welding, or other sources of ignition are prohibited.)

-Natural ventilation systems are to be provided for cargo spaces.

-Natural or mechanical ventilation systems are to be provided for adjacent enclosed working spaces, such as storerooms, carpenter's shops, passageways, tunnels.

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In the case of mechanical ventilation, only the equipment which is safe type for use in an explosive atmosphere can be used in cargo area.

-Two sampling holes per hold, one on the port side and one on the starboard side of the hatch cover or upper parts of hatch coamings are to be provided with threaded stub and sealing cap.

-Medical First Aid

-Hot Areas:

Coal shall not be stowed adjacent to hot areas. Heated fuel oil tanks adjacent to cargo spaces carrying this coal should not normally be considered as "hot areas" when the fuel oil temperature is controlled at less than 55°C, this temperature is not exceeded for periods greater than 12 hours in any 24-hour period; and the maximum temperature of the fuel oil reached does not exceed 65°C. (See MSC.1/Circ.1351).

Arrangement of cargo hold and heated fuel oil tanks. A clear sketch of the arrangement with the appropriate labels is acceptable.

REFERENCES:

- IMSBC Code Coal Requirements Ref MVR 5C-3-7/3.7

ATTACHMENTS: No

Kindest Regards,
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