

# No. 148 Survey of liquefied gas fuel containment systems

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The International Code of Safety for Ships Using Gases or Other Low-Flashpoint Fuels (IGF Code), MSC Res.391(95) paragraph 6.4.1.8 states:

*An inspection/survey plan for the liquefied gas fuel containment system shall be developed and approved by the Administration. The inspection/survey plan shall identify aspects to be examined and/or validated during surveys throughout the liquefied gas fuel containment system's life and, in particular, any necessary in-service survey, maintenance and testing that was assumed when selecting liquefied gas fuel containment system design parameters. The inspection/survey plan may include specific critical locations as per 6.4.12.2.8 or 6.4.12.2.9.*

1. In developing the inspection/survey plan, the requirements for the survey of liquefied gas fuel containment systems are to be in accordance with the requirements of Unified Requirement Z16, Section 2.2 except as noted below:

1.1. The tank insulation and tank support arrangements should be visually examined. Non-destructive testing may be required if conditions raise doubt to the structural integrity.

1.2. Vacuum insulated independent fuel storage tanks of type C without access openings need not be examined internally. Where fitted, the vacuum monitoring system should be examined and records should be reviewed.

2. For vessels which need not comply with the International Code of Safety for Ships Using Gases or Other Low-Flashpoint Fuels (IGF Code), MSC Res.391(95), as amended, even though an inspection/survey plan is not required, the survey for liquefied gas fuel containment systems should be in accordance with paragraph 1.

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