



DRAFT GES

GES 2025/XX- NSCV PART C3 CONSTRUCTION – USE OF ISO 12215 FOR SCANTLING DETERMINATION OF VESSEL UP TO 24 M MEASURED LENGTH

This equivalent means of compliance is approved by the National Regulator in accordance with section 17 of Marine Order 503 (Certificates of survey - national law) 2018.

Application

This equivalent solution applies to domestic commercial vessels that are required to comply with the National Standard for Commercial Vessels - Part C - Design and construction - Section 3 (NSCV C3).

This equivalent solution applies only to vessels with a measured length less than or equal to 24 m operating within C, D or E operational area limits.

Vessels subject to frequent side impact loading are excluded from this equivalent solution. This exclusion includes vessels such as pilot boats, tugs, trawlers, and lines handling boats.

Current Requirement

Vessels are presently required to meet NSCV Part C3, Chapter 3 section 3.2.2 when determining their scantlings. This section requires application of the relevant Lloyds rules for vessels over 13 m in length.

Equivalent Solution

Vessels less than or equal to 24 m measured length operating within C, D or E area limits may apply ISO 12215, as amended from time to time, subject to the conditions mentioned in this GES.

Conditions

Option A

The vessel must be designed to comply with ISO 12215 part 5, applying the ISO design category specified in Table 5 of NSCV Part C, Section 3 (Construction).

The vessel must comply with the additional technical requirements for heavy duty workboats listed in Annex J of ISO 12215 Part 5.

The surveyor must consider, assess, and make recommendations for any additional loadings and operating conditions that fall outside the scope of ISO 12215, on a case-by-case basis.

Note: Specific local loads due to cargo or machinery support, towing etc are not considered and need specific consideration using direct calculations.

Lloyd's Register Guidance Notes for Classification of Special Service Craft (LR-GN-008) should be followed for guidance on fatigue control in design and construction.



Option B

The vessel must be designed in accordance with ISO 12215 Part 5, applying the ISO design category that corresponds to the vessel's assigned NSCV service category operational area specified below:

| NSCV Operational Area | C | D | E |
|-----------------------------------|---|---|---|
| ISO Design Category to be applied | A | B | C |

The owner's manual and speed reduction table requirements specified for heavy workboats in Annex J of ISO 12215 Part 5 must be met.

The surveyor must consider, assess, and make recommendations for any additional loadings and operating conditions that fall outside the scope of ISO 12215, on a case-by-case basis.

Note: Specific local loads due to cargo or machinery support, towing etc are not considered and need specific consideration using direct calculations.

Lloyd's Register Guidance Notes for Classification of Special Service Craft (LR-GN-008) should be followed for guidance on fatigue control in design and construction.