



OPERATIONAL WAVE HEIGHT FOR HIGH SPEED CRAFT

This document describes a solution that the National Regulator considers may achieve the outcome required by the applicable standard, within the limits of the service category of the vessel on which the solution is implemented. It is not the only solution that may achieve the required outcome.

Application

This equivalent solution is available to fast craft as defined in NSCV Part F, Section 1, Subsection 1A. This equivalent solution applies to wave height only; other operational conditions are to be as specified in NSCV part B.

Current Requirement

NSCV Part B

3.10 Design Environmental Parameters for Equivalent Solutions

3.10.1 Operational areas

Subject to Clauses 3.10.2 and 3.10.3, the design environmental parameters corresponding to each operational area given in Clause 3.4 shall be, for the purposes of proving equivalent solutions, in accordance with Table 6.

3.10.3 Conditions less severe than the design parameters

Where a vessel's operation will be such that conditions less severe than those specified in Clause 3.10.1 will be encountered, then the design parameters may be reduced accordingly, provided they can be proven to be an equivalent solution. Information shall be provided and a system of work adopted to ensure that the vessel does not operate in conditions that exceed the design environmental parameters. Reductions in design conditions for a particular service shall be considered as a local equivalent solution, refer to Clause 2.7.2.2.

Equivalence

The wave height environmental parameter specified by Table 6 in Part B is deemed to be satisfied for a fast craft which:

- does not proceed in the course of its voyage more than four hours at 90% of maximum speed from a place of refuge;
- has adequate communications facilities, weather forecasts and maintenance facilities available within the area of operation; and
- has suitable rescue facilities readily available in the intended area of operation,

provided the worst intended wave height for which operations are permitted is restricted through operational limits imposed by a condition or conditions on a vessel's certificate of survey. The operational limits must be:

- stated on the vessel's certificate of survey;
- included in the vessel's safety management system; and
- displayed on an operational envelope placed at the helm position.

The National Regulator will have regard to the choice of design conditions, design loads and accepted safety factors, to ensure they correspond to the intended operating conditions for which certification is sought.