

STABILITY APPROVAL QUESTIONNAIRE

In order that stability submissions can be processed in an efficient manner, avoiding unnecessary delays and cost, MCA need to ensure that the assumptions used in our independent computer checks are the same as those used to create the submission. This questionnaire should be completed and returned to MCA Stability Unit, stability.unit@mcga.gov.uk along with the following information, at an early stage of construction.

Drawings and information may be submitted in Paper, PDF, or 3D-DXF format. Electronic hull definition formats such as IGES may also be accepted but should be discussed with the Stability Unit before submission.

No.	ITEM	Revision / Date	Yes, No, N/A
1.	General Arrangement Drawing With applicable damage extents clearly marked, where relevant		
2.	Lines Plan Drawing Including a body plan		
3.	Profile & Decks Drawing Indicating the dimensions and positions of all watertight divisions (cases requiring damage stability assessment only)		
4.	Tank Plan Drawing With tank volumes and centres. For damage stability cases, details of the volumes, centroids and permeabilities for all spaces should be provided.		
5.	Tables of Hydrostatic Data Covering operating Draught / Displacement and trim range		
6.	Tables of Cross-Curve Data KN's Covering operating Draught / Displacement and trim range		
7.	Critical KG (or GM) Curves / Tables Covering operating Draught / Displacement and trim range		
<p>Please provide additional details on any items marked No or N/A in the space below (if it is more convenient to indicate any of the information below on a sketch, please reference here and attach):</p>			

1. Vessel Main Information and Submission Details:

Vessel Name / Builders & Yard No.	
<input type="text"/>	
Vessel Type / Class.	Details Of Any Sister Vessels (UK Flag).
<input type="text"/>	<input type="text"/>
Keel Laying Date / Date of Major Conversion	Classification Society
<input type="text"/>	<input type="text"/>
Official No. / IMO No. / Fishing Vessel PLN.	Gross Tonnage / Maximum Deadweight
<input type="text"/>	<input type="text"/>

2. Vessel Dimensions and Datums:



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Length Overall.

Length On Subdivision Load Waterline / Load
Line Length (where applicable).

Depth At Midships.

Thickness Of Keel.

Thickness Of Deck Plate At Side Amidships.

Position Of Aft Perp. (Frame Reference).

Position Of Aft Draft Marks Relative To AP.

Rake Of Keel Between Perpendiculars.

Bilge Keel Area (A_k) Used in Severe Wind and
Rolling Criterion Calculation.

Significant Wave Height / Area Of Operation.
For Water On Deck or HSC Code Calculations.

Length Between Perpendiculars.

Load Draft (Extreme).

Moulded Beam.

Thickness Of Shell.

Frame Spacing.

Position Of Fore Perp. (Frame Reference).

Position Of Fwd Draft Marks Relative To FP.

Rake Of Keel Between Draft Marks.

Specific gravity of water used in calculations
(where this is less than 1.025 tm^{-3})

Speed Of Vessel Used in HSC Code, Heel on
Turning, and / or structural calculations.

Position Of Horizontal Computer Baseline / Datum From Which Vertical Distances Are Measured.



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Position Of Vertical Computer Datum From Which Horizontal Distances Are Measured.

Position From Which Hydrostatic Draughts Are Measured i.e. Computer Baseline, Underside Of Keel etc.

Definition Of Trim i.e. Relative To Computer Baseline, Relative to Rake Of Keel etc.

Details Of Appendages (Positive And Negative) From The Stability Hull Definition e.g. Sea-Inlet Boxes, Thruster Tunnels, Deck Sheathing, Rudders etc.

<u>Positive:</u>	<u>Negative:</u>

Assumed Extent Of Weathertight Structure For Calculation Of KN Curves.

Space for additional information relevant to approval or computer model, not listed above.

- 3. Datums and Appendage Details:**
- 4. Stability Criteria and Critical Point Details:**



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Intact Stability Criteria Used.

Damage Stability Criteria Used, Including Details Of Standard Of Subdivision (Where Applicable).

Co-ordinates Of Engine Room Ventilation Openings, Downflooding Points, Unprotected Openings, Weathertight Closures, Watertight Doors And Hatches As Required By The Stability Criteria.

Unprotected (UP), Weathertight (WTH), Watertight (WT)

Description	X (m)	Y (m)	Z (m)

Description	X (m)	Y (m)	Z (m)

5. Questionnaire Submission Details:

Name: Signed:

Company: Date: