



INITIAL SURVEY COMPOSITE CONSTRUCTION REPORT

Marine Safety (Domestic Commercial Vessel) National Law Act 2012
Marine Order 503 (Certificates of survey – national law) 2018
National Law – Marine Surveyors Accreditation Guidance Manual 2014

This report is the National Regulator’s preferred method for surveyors to monitor and record the initial construction or alteration – hull deck and superstructure survey for a composite vessel construction on a Domestic Commercial Vessel. It is a minimum set of information expected by the National Regulator, it is not intended to be an exhaustive list.

Survey Details

Vessel name

Unique identifier

Name of surveyor

Result - In order (Y) / Not In order (N) / Not Applicable (NA)

Item	Survey checks	Y/N/NA	Surveyor Comments/ drawing / document reference
Production facilities	Verify workshop is free from contamination and appropriate for the vessel to be built		
Construction process	Verify builder has written procedures for the laminating process Verify approved plans are displayed in a conspicuous place Verify laminating schedules are displayed in a conspicuous place Verify laminating records are being kept Verify builder has a quality control process to ensure compliance with design documentation through build		
Material storage and handling practices	Inspect material storage location and verify suitability Verify builder segregates materials Discuss material handling and prep practices		
Materials type and standard	Review and endorse primary material certification/documentation Verify Material Safety Data Sheets are readily available Monitor materials being used in conduction to ensure use is with manufacturer spec		
Mould surfaces	Verify surfaces are kept clean, dry and away from direct sunlight and wind draughts Verify temperature is uniform over the entire mould surface		
Temperature and humidity control	Verify there are reliable means to monitor temperature and humidity Verify builder keeps records of temperature and humidity when laminating Monitor ongoing controls to ensure lamination is conducted within recommended ranges		
Records	Verify builder has in place a system to create and maintain records that may be relied upon for the purpose of survey Verify the builder has in place a process for drawing and document control		

Design approval compliance

Item	Survey checks	Y/N/NA	Surveyor Comments/ drawing / document reference
In accordance with approved plans	The vessel's structure is constructed in accordance with the approved plans and design documentation.		

Surveyor's declaration

I declare that:

- I have conducted survey(s) as indicated, of the above mentioned vessel, in accordance with the applicable standards as set out in Marine Order 503 Certificates of Survey, and that to the extent evident from the inspection/s carried out I am satisfied that the vessel meets the standards.
- I consent to the Australian Maritime Safety Authority using and disclosing the information provided in this form for purposes associated with the administration of the Marine Safety (Domestic Commercial Vessel) National Law Act 2012.
- I understand and acknowledge that the Australian Maritime Safety Authority, as the National Regulator, may ask that I provide any information or document that the National Regulator reasonably considers necessary in relation to this recommendation.

Signature of surveyor

Date

Supplement: Daily laminating record

Note: this supplement is provided to record laminating conditions for a single day.

A new copy should be printed and completed each day by the builder / person responsible for the lamination.

Resin type and batch No.:									
Resin trade name and Supplier:									
Reinforcement type and batch No.:									
Reinforcement trade name and supplier:									
Catalyst / Hardener type : Methyl ethyl ketone peroxide: Yes <input type="checkbox"/> No <input type="checkbox"/> Other:									
Catalyst batch No.:									
Catalyst trade name and supplier:									
Area laminate being applied: <input type="checkbox"/> Hull WT Boundary <input type="checkbox"/> Keel <input type="checkbox"/> Chine <input type="checkbox"/> Stem <input type="checkbox"/> Deck <input type="checkbox"/> Transom <input type="checkbox"/> Frames / Stringers <input type="checkbox"/> Bulkheads <input type="checkbox"/> Other Part									
Ply / Layer No.	Type	Orientation	Mass of fibre g/m ²	Time		Temperature		Humidity	
				Start	Finish	Start	Finish	Start	Finish
	CSM, WR etc	0, 90, +/-45, Random etc							
1									
2									
3									
4									
5									
6									
7									
8									
Total lamination time:									
Total resin used:			Iso Polyester <input type="checkbox"/>		Ortho Polyester <input type="checkbox"/>		Vinylester <input type="checkbox"/>		Epoxy <input type="checkbox"/>
Percentage catalyst:					Resin/Fibre Ratio:				
Weight of Reinforcement Per Metre ² at the end of day:									
Application: <input type="checkbox"/> GUN <input type="checkbox"/> INFUSION <input type="checkbox"/> HAND							Average Gel Time:		
Time from gel coat application to part removal from mould:									

I hereby certify that the information provided above is a correct record.

Name:

Position:

Signature:

Date: