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 welded vessel construction, by compartment. 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

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Name of surveyor

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

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| **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 | choose |  |
| Construction process | Verify builder has written procedures for the construction process  Verify approved plans are displayed in a conspicuous place  Verify builder has a quality control process to ensure compliance with design documentation through build | choose |  |
| Welding Procedure Specification (WPS) | Examine and confirm the yard WPS  Monitor implementation of WPS | choose |  |
| Welding Procedure Qualification Records (WPQR) | Verify fabrication personnel have the appropriate WPQR  Monitor implementation of WPQR | choose |  |
| Material storage and handling practices | Inspect material storage location and verify suitability  Verify that the builder segregates materials  Discuss material handling and prep practices | choose |  |
| Materials type and standard | Review and confirm primary material certification/documentation  Monitor materials being used in construction | choose |  |
| Consumable materials type and standard | Review and confirm consumable material certification/documentation  Monitor materials being used in construction | choose |  |
| 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 | choose |  |

**Design approval compliance**

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| **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. | choose |  |

**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

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| **Compartment Name** |  |

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| **Item** | **Survey checks** | **Y/N/NA** | **Surveyor Comments/ drawing / document reference** |
| Bottom stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual check of welding (length, spacing, pattern, throat)  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Side stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Bulkhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Deckhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Pillars / columns | Dimensions and visual check of section  Dimensional and visual check of location  Visual inspection of end connections | choose |  |
| Bracketing detail | Visual inspection of bracket detail  Dimensional check of bracket locations and sections | choose |  |
| Insert plates | Dimensional and visual check of radii and edge tapering  Dimensional and visual check of welding | choose |  |
| Plate seam welding | Dimensional and visual check of welding  Verification that all seam welds are double continuous | choose |  |

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| **Compartment Name** |  |

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| **Item** | **Survey checks** | **Y/N/NA** | **Surveyor Comments/ drawing / document reference** |
| Bottom stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual check of welding (length, spacing, pattern, throat)  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Side stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Bulkhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Deckhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Pillars / columns | Dimensions and visual check of section  Dimensional and visual check of location  Visual inspection of end connections  Visual inspection of end connections | choose |  |
| Bracketing detail | Visual inspection of bracket detail  Dimensional check of bracket locations and sections | choose |  |
| Insert plates | Dimensional and visual check of radii and edge tapering  Dimensional and visual check of welding | choose |  |
| Plate seam welding | Dimensional and visual check of welding  Verification that all seam welds are double continuous | choose |  |

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| **Compartment Name** |  |

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| **Item** | **Survey checks** | **Y/N/NA** | **Surveyor Comments/ drawing / document reference** |
| Bottom stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual check of welding (length, spacing, pattern, throat)  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Side stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Bulkhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Deckhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Pillars / columns | Dimensions and visual check of section  Dimensional and visual check of location  Visual inspection of end connections  Visual inspection of end connections | choose |  |
| Bracketing detail | Visual inspection of bracket detail  Dimensional check of bracket locations and sections | choose |  |
| Insert plates | Dimensional and visual check of radii and edge tapering  Dimensional and visual check of welding | choose |  |
| Plate seam welding | Dimensional and visual check of welding  Verification that all seam welds are double continuous | choose |  |

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| **Compartment Name** |  |

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| **Item** | **Survey checks** | **YN/NA** | **Surveyor Comments/ drawing / document reference** |
| Bottom stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual check of welding (length, spacing, pattern, throat)  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Side stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Bulkhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Deckhead stiffeners & frames | Dimensional and visual check of spacing and section against plans  Dimensional and visual inspection of alignment  Dimensional and visual inspection of DC welding and weld returns at end points  Visual inspection of termination / structural continuity detailing | choose |  |
| Pillars / columns | Dimensions and visual check of section  Dimensional and visual check of location  Visual inspection of end connections  Visual inspection of end connections | choose |  |
| Bracketing detail | Visual inspection of bracket detail  Dimensional check of bracket locations and sections | choose |  |
| Insert plates | Dimensional and visual check of radii and edge tapering  Dimensional and visual check of welding | choose |  |
| Plate seam welding | Dimensional and visual check of welding  Verification that all seam welds are double continuous | choose |  |