

SURVEY AND TRIALS

The Contractor shall provide the Authority with evidence of material state and performance before and after work has been conducted on Boats as part of their respective In-Service Support contracts. This is achieved through conducting Surveys and Trials as part of the standard upkeep core work package for each Boat. When tasked, the Contractor shall conduct Surveys and/or Trials outside of the standard upkeep work package (for example, following a major equipment change or following installation of new equipment).

The Authority has provided a guide for conducting and recording the evidence for the following Surveys and Trials:

- a. Condition Survey: A comprehensive Survey of the material state and performance of the Boat and its equipment and systems. **Survey and Trials Form 1A** is to be completed for this activity.
- b. Harbour Acceptance Trials (HATs) and Sea Acceptance Trials (SATs): A Trial conducted to prove the material state and performance of the Boat and its equipment and systems following a work package. **Survey and Trials Form 2A** is to be completed for this activity.

Acceptable material state shall be defined as;

- Equipment or system in full working order;
- No damage that will impact or impede full and safe working use of equipment or system;
- No installation of equipment or adjacent equipment that will impact full and safe working use of the equipment or system.

On completion of the Survey and/or Trial, the Contractor shall notify the Authority of any deterioration that may impact the material state of the Boat or its equipment and systems. The Contractor shall provide the Authority with a recommendation for rectification to bring it up to an acceptable material state.

On completion of the Survey and/or Trial (and all accepted recommendations have been rectified), the Contractor shall declare that the functionality and performance of the equipment and systems provided as evidence in the Survey and Trials forms will be upheld for the duration of the **12-month Guarantee Period** from completion of the work package unless prior agreement has been obtained.

The trials are to be witnessed by the Authority or Authority's Authorised Representative unless prior agreement has been obtained.

Copies of completed Survey and Trials forms are to be sent to the Authority and originals are to be retained by the Contractor.

Survey and Trials form 2A	HARBOUR ACCEPTANCE TRIALS SEA ACCEPTANCE TRIALS	V 1.0 16/10/23
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BOAT DETAIL	
Boat Type and MOD State	
MOD Boat No.	

REASON FOR TRIALS
Acceptance of craft following upkeep period. <input type="checkbox"/> Assessment of craft following damage repair <input type="checkbox"/> Acceptance of craft following installation of new equipment. <input type="checkbox"/> Other reason _____

CONTRACTOR	
Company:	
Contact Name:	
Address:	
Telephone:	
e-mail:	

MOD REPRESENTAIVE	
Name:	
Section:	
Address:	
Telephone:	
e-mail:	

TRIAL DETAILS

Survey and Trials form 2A	TRIAL DETAILS	V 1.0 16/10/23
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<p>TRIAL DETAILS</p> <p>The Contractor shall complete the following sections to provide evidence of the details and support for the trials.</p> <p>For craft following standard upkeep periods without significant changes to the craft then the acceptance sea trials should be conducted with the craft fully loaded unless prior agreement has been obtained.</p> <p>For craft that have undergone major changes in equipment such as new engines or significant changes in weight it is recommended sea trials are initially conducted in the Light Operating condition (crew, fuel and equipment but excluding payload) and then the fully loaded condition unless prior agreement has been obtained.</p>

<p>BOAT TECHNICAL DETAILS AS GIVEN IN THE BR (Identifying the craft details from the BR now will assist in establishing the trial loads and required craft speed and endurance performance.)</p>	
Boat Type and MOD State	
Craft BR No.	
PAX	
Weight (Light ship & fully loaded)	
Fuel	
Speed	
Endurance	
Fuel Type	
Engines	Inboard / Outboard
Engine(s) Make:	
Propulsion	Propeller / Water Jet
Propulsion. Water Jet make	

<p>TRIALS TO CONDUCT</p> <p>Select the trials to be conducted. (Bollard Pull and Sea Keeping are normally reserved for when major changes to the craft have been conducted.)</p>	
Maximum average speed	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Acceleration	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Crash Stop	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Turning circles	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Zig Zag	Yes <input type="checkbox"/> / No <input type="checkbox"/>
1 hour endurance	Yes <input type="checkbox"/> / No <input type="checkbox"/>

Bollard Pull	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Sea Keeping	Yes <input type="checkbox"/> / No <input type="checkbox"/>

CRAFT LOADING

Select the load conditions the Trials are to be conducted under.

Craft in light ship conditions to be weight prior trial:	Kg
Light Operating condition trials (crew, fuel, equipment but excluding load):	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Fully loaded trials to be conducted:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Loading using:	
Ballast weights	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Water weights	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Passengers	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Other (Details:)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Weight of load to be added excluding crew:	Kg
Location of loading:	_____
Total load of craft in Light Operating condition:	Kg
Total load of craft in Fully Loaded condition:	Kg

TRIAL AREA

State the area required for the trial.

Open sea:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Sheltered water:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Shallow water:	Yes <input type="checkbox"/> / No <input type="checkbox"/>

ENVIRONMENTAL REQUIREMENTS

State the environmental requirements for the trials.

Day:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Night:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Sea State. Preferred trial conditions	SS 0-1 Calm
Sea state: Operational range 0-4 (0-2.5m)	SS 0-4
Sea State limit:	SS 4
Wind strength. Not to exceed a sustained	kts
Visibility distance	nm
Air temperature:	°C
The preferred trial conditions are for calm water and little wind. It is accepted that this is not always achievable within the time frames available. The trials officer should endeavour to conduct the trials in the best conditions that can be found.	

CRAFT DATA TO BE RECORDED

Determine what data is to be recorded.

Speed (SOG):	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Craft motion accelerations / WBV:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Engine revs:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Engine temperatures:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Fuel Consumption:	Yes <input type="checkbox"/> / No <input type="checkbox"/>

Craft pull (Bollard pull):	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Craft trim:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Video Internal/External:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
Still Photos: Internal/External:	Yes <input type="checkbox"/> / No <input type="checkbox"/>

SUPPORT CRAFT

Confirm if support craft are required.

Support craft	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Details of support craft (LCU, LCVP, CSB, RIB, Inflatable, other):

SPECIALIST EQUIPMENT / SUPPORT REQUIRED

(Detail as required. ie Stop watch, GPS data loggers, load cells, noise meters etc)

COMMUNICATION

Confirm the communications to be used.

IMM	Yes <input type="checkbox"/> / No <input type="checkbox"/>	Channel No:
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Other (Mil coms/Mobile):	Yes <input type="checkbox"/> / No <input type="checkbox"/>	Details:
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TRIAL / CRAFT SOPs and STANDING ORDERS

Confirm the following.

The craft will be operated during the trials iaw the craft BR and SOPs:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Trials will be conducted iaw host unit SOPs & SOs:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Trials conducted in Military Training Areas will be iaw SOs:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Trials conducted iaw all relevant legal guidelines and regulations:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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RISK ASSESSMENTS

Confirm the following.

All Risk assessments conducted and recorded:	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Reference:

TRIAL WILL BE CANCELLED ON THE FOLLOWING CONDITIONS

Confirm the trial will be ceased on the following.

Sea state exceeds: SS ____ / ____m	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Wind state exceeds: Sustained _ kts	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Loss of safety communications.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Craft material state failure (inc. engine warnings).	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Craft stability is unacceptable.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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Crew injury or MOB.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
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