



# Expression of Interest

Blast and Paint Services – Batch 1

Hunter Class Frigate Program

**BAE SYSTEMS**

Maritime Australia

## Acronyms and Definitions

Abbreviation	Definition
<b>AIC</b>	Australian Industry Capability
<b>ASCS</b>	ASC Shipbuilding
<b>AUD</b>	Australian Dollars
<b>BAE</b>	BAE Systems Maritime Australia
<b>EOI</b>	Expressions Of Interest
<b>GCS-A</b>	Global Combat Ship-Australia
<b>HCFP</b>	Hunter Class Frigate Program
<b>NATA</b>	National Association of Testing Authorities
<b>OQE</b>	Objective Quality Evidence
<b>RAN</b>	Royal Australian Navy
<b>RAP</b>	Reconciliation Action Plan
<b>T26</b>	British Type 26 Global Combat Ship

# Table of Contents

- Expression of Interest..... 0
- 1. INTRODUCTION ..... 3
- 2. PRE-QUALIFICATION REQUIREMENTS ..... 3
- 3. SCOPE OF WORK (High Level)..... 4
- 4. GENERAL REQUIREMENTS..... 7
- 5. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)..... 8
- 6. PRE-QUALIFICATION QUESTIONNAIRE (SPECIFIC TO THE REQUIREMENTS)..... 9

## **1. INTRODUCTION**

BAE Systems Maritime Australia are seeking Expressions of Interest (EOI) to supply Blast and Paint Services for the Hunter Class Frigate Program (HCFP).

BAE Systems Maritime Australia has recently been contracted to design and build the Royal Australian Navy's (RAN) future frigates.

The BAE Systems Maritime Australia's Future Frigate offering, also known as the Hunter Class GCS-A (Global Combat Ship – Australia) is a variant of the British Type 26 GCS (T26).

Nine Hunter Class Frigates will be built at the BAE Systems Maritime Australia Facility at the Osborne Naval Shipyard, Adelaide, SA.

The Hunter Class Program will require maximisation of local content in Australia.

Prior to commencing First of Class (FOC) in June 2024, BAE Systems Maritime Australia will be undertaking a period of prototyping at Osborne, this activity commenced in December 2020. This will involve building five blocks of increasing complexity within the ship design to test shipbuilding processes and systems.

The purpose of the Capability Questionnaire is to establish the feasibility of prospective industrial partners to provide Blast and Paint Services to BAE Systems Maritime across the HCFP in support of Batch 1 phase and FOC. The information you provide within your EOI will be used to down select contractors to receive a formal Request for Tender.

## **2. PRE-QUALIFICATION REQUIREMENTS**

Prospective contractors wishing to submit a response to BAE Systems Maritime Australia's EOI are required to comply with the following to be considered compliant.

1. Acknowledge in writing that the information contained in the EOI documentation is proprietary to BAE Systems Maritime and is made available for the recipient on the express understanding that it is to be treated as confidential for information purposes only and that it may not be copied, used or disclosed to others in whole or in part for any purpose except as authorised in writing by BAE Systems.

2. Download and update as applicable the highlighted areas of BAE Systems Maritime Non-Disclosure Agreement (NDA). Contractors are required to provide a signed PDF copy of the completed NDA along with written confirmation that all clauses have been agreed in full. Any clauses not agreed in full are required to be confirmed in writing as part of the EOI response.



### 3. SCOPE OF WORK (High Level)

Contractors will be required to provide Blast and Paint, access and containment services and achieve the appropriate standards of completion in line with the high level scope of work detailed below:

#### 3.1 Provision of Abrasive Blast and Paint Services – Batch 1 – First of Class

BAE Systems Maritime has established processes and enabling services needed to achieve Batch 1 activities, and to fulfil the outcomes of the Hunter Class Frigate Program (HCFP).

The Batch 1 phase of this program will be an integral part enabling the delivery of the Hunter Class Frigates (HCF) to ensure production proficiency establishes quality products for First of Class (FOC). During the Batch 1 phase, BAE Systems Maritime will be building three ships, consisting of 21 blocks per ship with increased difficulty.

BAE Systems Maritime advises contractors that blast and painting requirements and methodologies for FOC would be similar to that tested and implemented during prototyping. However, the requirements will have increased complexity, workloads and capacity requirements in order to maintain planned production schedules. FOC will require the consolidation of 21 individual blocks per ship, with an approx. paint area of approximately 100,000m<sup>2</sup>.

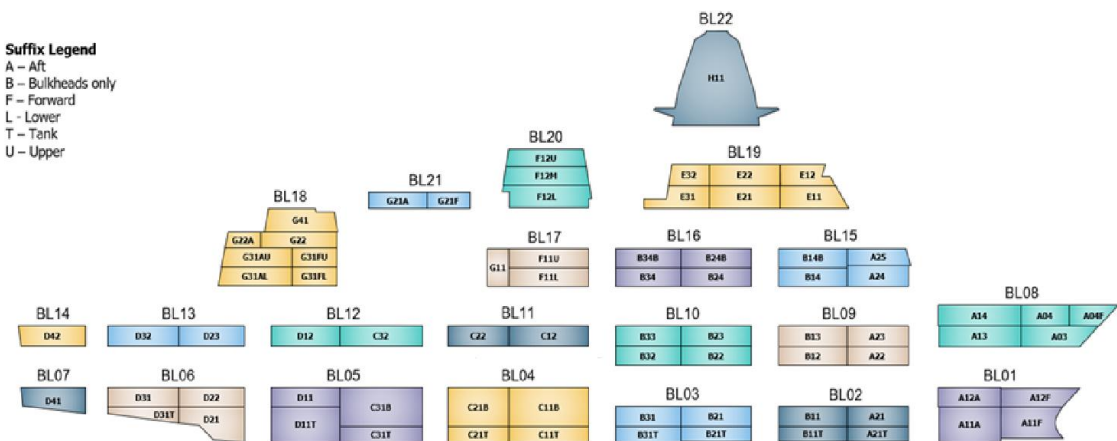


Figure 1. Hunter Class Frigate Diagram

As a result, all Batch 1 blocks will be required to undertake various levels of outfitting with specific levels of completion to be identified for each compartment. Contractors will be required to understand the requirements of each compartment once finalised and complete all activities in line with the nominated standards whilst working to the detailed build schedule. The completed compartments will then be subject to acceptance by BAE Systems Maritime and the Commonwealth of Australia with compliant OQE submitted.

BAE Systems Maritime has defined the blast and paintwork scope to support Batch 1 as requiring Contractors to successfully:

- Blast and Paint all plates and sections through the new plate treatment line located at the Osborne Naval Shipyard (Building 20 of the new facility) in accordance with defined paint specification. Black steel plates and profiles will be delivered to the yard with the contractor being responsible for handling, processing through the facility, operating and maintaining all equipment to ensure optimum outputs are achieved.
- Post application, plates are to be marked with the Catalogue and Traceable Identification Number as a minimum. Exact marking method is still to be agreed. Stripe coating of all butt, stiffener and other welds as panels are completed or through the PO1 (Hot Work pre-outfitting) Stage (and QC cleared). Application to occur within Building 21 of the new facility.
- Manual requirement for contractor to apply a single coat of primer over completed welds in order to reduce the start of corrosion on all components while they are in storage and/or prior to them being fitted to the Ship.
- Application to be completed before the welds are exposed to external weather elements and once all welds have been inspected for conformance, NDE undertaken and OQE being cleared.
- Upon completion of the stripe holding primer application, any bare metal identified to be in the "no weld" zones requires to be suitably protected to prevent the commencement of surface corrosion.
- Blast and paint (as required) all 66 Batch 1 blocks through the Block Blast and Paint facility located within Building 18 of the new facility at the Osborne Naval Shipyard. 6 blast nozzles and 12 paint guns.
  - Apply specified paint schemes in line with manufacturers and BAE supplied specification for both internal and external areas.

- Project manage the entire operation within the chamber including, material supply, access and containment in order to provide back to BAE a completed block within the defined schedule duration. BAE will be responsible for transporting blocks to and from chamber.
- Provide all staging/access within the Blast and Paint Chamber to facilitate safe execution of all activities.
- Prepare and paint all consolidation joints post Block consolidation.
- Complete final compartment completion paint schemes as specified and in line with the schedule whilst the blocks are being consolidated within Building 22 of the new facility or on the CUF.
  - Access for undertaking activities at nominated locations is currently scheduled to be provided by BAE Systems Maritime with the exception of the Blast and Paint Chamber as noted above.
- Apply specified antifoul paint systems and final exterior coats as required.
- Complete any Touch ups or rework as required.
- Blast and paint miscellaneous small parts through the Small Parts Blast and Paint facility.
  - Contractor to project manage and be responsible for this facility in order to complete required tasks. Contractor will also be responsible for maintaining quality, SHE and schedule adherence.
- Safely operate, maintain and repair at cost if damaged, the equipment associated with the Blast and Paint Chambers and Plate Treatment Line to ensure optimum outputs are maintained.



Figure 2.

The Osborne Naval Shipyard

#### 4. GENERAL REQUIREMENTS

BAE Systems Maritime will require contractors to be able to successfully project manage and resource suitably qualified marine painters and inspectors.

Contractors would be required to supply, store and dispose correctly of all paint, blast media and consumables in order to successfully complete nominated activities outlined in the SOW.

Contractors are responsible for providing and maintaining all access/staging requirements within Buildings 18 and the Small Parts Blast and Paint facility.

BAE Systems Maritime requires contractors to become an active participant of a fully integrated team working alongside BAE Systems Maritime and other onsite contractors. A cohesive working team is essential to ensure all shipyard activities are coordinated with planned schedules maintained to achieve milestones, avoid delays or unnecessary conflicts and rework to open or completed work fronts.

Contractors will be required to satisfy and comply with BAE Systems Maritime processes and procedures at all-time whilst onsite while maintaining adherence to site, state and government SHE requirements and standards.

A sound knowledge in EVMS reporting will be required. Weekly reporting requirements are expected and will have a direct link into HCFP reports issued and reviewed by the end customer.



For down selected suppliers to participate in the upcoming RFT, entry level DISP (Defence Industry Security Program) membership will be a requirement.

## **5. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)**

1. Does your website provide a detailed description of your Company's capability? If yes, provide the appropriate link.
2. Please confirm your organisation's ICN profile is up to date.
3. Are you an Australian registered company and fully Australian owned? If yes, provide your ABN number and ownership details please.
4. Please provide annual turnover in AUD.
5. Are you an Indigenous company and registered with Supply Nation? If yes, provide a link to your profile on the Supply Nation Website or other supporting evidence.
6. Do you have a Reconciliation Action Plan (RAP) in place? If yes, please attach evidence, if no please describe where in the process your organisation is with the Reconciliation Action Plan.
7. Please provide details on the percentage of Indigenous/Aboriginal/Torres Islander employees within your organisation. (Stipulate whether employees are Full Time or Part Time)
8. Does your company have ability to scale up and down?
9. Provide details of the company's management organisation structure and full time headcount. Attach evidence/organisation structure.
10. How many of these employees hold a current Australian security clearance and to what level? Please specify details.
11. State level of Professional Indemnity, Product and Public Liability and Work Cover Insurance coverage.
12. State Marine Liability and Marine Products liability insurance or advise if included as part of above policies
13. Please state what quality certification and accreditations your workforce and organisation hold? Please attach evidence.
14. Does your company have Occupational Health and Safety accreditation 45001? Please attach evidence.
15. Does your company have Environmental Management Systems Accreditation 14001? Please attach evidence.

16. Do you hold Defence Industry Security Program (DISP) Membership? If yes, please state what membership level you hold. Refer to the [DISP Webpage](#) on information regarding DISP Membership and how to apply. DISP membership is a requirement for all contracts. Please provide evidence.
17. On Time Delivery – Are you able to consistently provide on time guarantee service to agreed time frames?  
How do you self-evaluate and analyse your performance? Please provide any data / reports you have examples of?

## **6. PRE-QUALIFICATION QUESTIONNAIRE (SPECIFIC TO THE REQUIREMENTS)**

1. Provide full details including value and location of previous major defence, maritime or commercial projects in which your company has delivered blast and paint services within Australia. Detailed overview required.
2. Confirm access, blast and paint services detailed within the scope of work can be met by your organisation and successfully undertaken at the Osborne Naval Shipyard, South Australia. Scope including but not limited to:
  - a. Plate Line Facility (plate and profiles)
  - b. Stripe Coating of Welds
  - c. Blast and Paint Chamber
  - d. Block Outfit Hall
  - e. Hard Stand
  - f. Alongside the wharf (post launch)
  - g. Small Parts Chamber
3. Do you have a full time Project Coordinator and a detailed planner/scheduler currently working in your organisation that can be embedded into the integrated work team located at the project site full time.
4. Do you have the capability to supply all materials (paint, blast media, access and containment and other consumables) required to complete the high level SOW.
5. Do you have South Australian facilities to Blast and Paint?
6. Do you have South Australian warehouse capabilities to safely store paint, blast media and other equipment offsite?
7. Provide details of how your company can support BAE Systems Maritime Australia's commitment to support AIC. Detail if the labour to complete the SOW will be provided by Australian permanent residents.

8. Provide details on the number of certified Blast and Paint inspectors and highest level of qualification / training completed.
9. Provide details of three separate references for your company.
10. Stipulate all current and future projects that your company has any involvement in until 2026.
11. Does your organisation have an understanding and ability to test in accordance with Lloyd's Registers rules for surface ships? If Yes; please elaborate.
12. Do you have a clear understanding of the requirements for providing CDRL and Objective Quality Evidence documentation? Please provide examples of experience.
13. Stipulate any further competitive discriminators currently not identified including how your organisation would collaborate as a team sharing data, schedules and resources if required to ensure for best for program outcomes are achieved.
14. Will your company require engaging in any joint ventures or alternative contracting models to complete the SOW. Details are to be provided if applicable.
15. Does your organisation have an understanding and experience in EVM (Earned Value Management)? If yes; please provide an example.

## **Closing date for Expression of Interest:**

26<sup>th</sup> August 2022