



Expression of Interest

Mission Bay Side Doors

Hunter Class Frigate Program

BAE SYSTEMS

ASC SHIPBUILDING

Acronyms and Definitions

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



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1. INTRODUCTION

BAE Systems Maritime Australia (BAE) are seeking Expressions of Interest (EOI) to design and manufacture of Mission Bay Side Doors for the Hunter Class Frigate Program (HCFP).

BAE Systems Maritime Australia (BAE) has recently been down selected to design and build nine future frigates for the Royal Australian Navy (RAN). The BAE Systems 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).

The Hunter Class Frigates will be built at the ASC Shipbuilding Facility in Osborne, South Australia. The program requires maximisation of Australian content.

Cut Steel for First of Class is planned for December 2022. This EOI is for the design and manufacture of Mission Bay Side Doors. A Request for Tender (RFT) will be sent to down selected parties that have expressed interest, based on the final technical solution determined for this scope of work, closer to this time.

Suppliers will be required to design and manufacture a turn-key solution. (See 2. General and 3. Scope below for more detail)

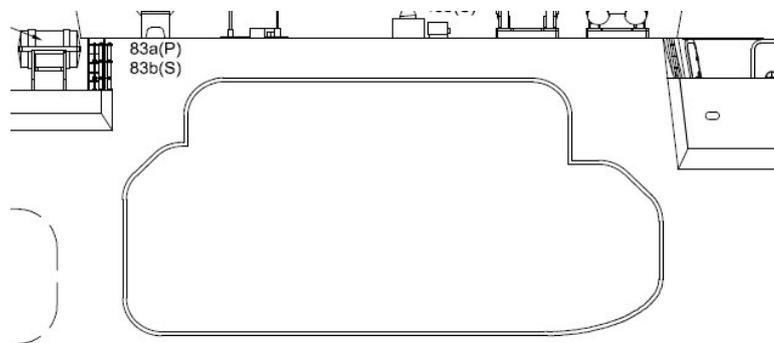
2. GENERAL

Purpose

The purpose of this Expression of Interest is to engage with prospective suppliers for the design and manufacture and potentially installation, commissioning and ongoing support of the mission bay side doors.

Overview

To maximise the versatility of the design, the ship will be fitted with a Mission Bay capable of accepting additional boats, 20' shipping containers and disaster relief stores.



Mission Bay Side Door



Each Mission Bay will be equipped with a Mission Bay Side Door on the Port and Starboard sides of the Mission Bay. The Mission Bay Side Doors provide a weathertight closure to the side openings through which Mission Equipment is launched and recovered from the sea.

The doors are approximately 13.5m long and 6.4m high and consist of an upper and lower portion. The lower portion shall open, whilst the upper portion remains closed, to provide access for a shore gangway deployed by the Mission Bay Handling System and a pilot ladder.

3. SCOPE

Scope of Supply

There is to be one Mission Bay aboard each HCF. Each Mission Bay shall be fitted with two Mission Bay Side Doors. The scope of supply shall include:

- a. Installation jigs;
- b. Door panels;
- c. Door frame;
- d. Seals;
- e. Operating and locking mechanism;
- f. Electrical cables, control panels and fittings;
- g. Hydraulic cylinders, pipework and fittings;
- h. Collapsible guard rails;
- i. Shock mounts.

Weight

The doors have been identified as candidates for weight saving. The existing door design, which is fabricated in steel, weighs around 19 tonnes per side. Some early indications suggest that by changing material, a weight saving of around 10 tonnes per side could be achieved. This saving would be divided between the door blade (7 te) and the frame, seal and hydraulic fittings etc. (3 te).



This reduction in weight is a key driver in the decision to issue this Expression of Interest.

Designs that minimise the weight whilst controlling the cost will be viewed favourably. Metallic and non-metallic designs will be considered.

Design Requirements

The doors should meet the requirements of:

- j. Lifting Operations and Lifting Equipment Regulations (LOLER) 1998
- k. 2020 Lloyds Register Rules and Regulations for the Classification of Naval Ship;
- l. Relevant Defence Standards and Codes (tbc).

Whilst these will be communicated at a later date, there will also be additional functional and performance requirements that may include, but not be limited to:

- m. Noise and vibration;
- n. Radar Cross Section;
- o. Infrared Signature;
- p. Shock;
- q. Security;
- r. Supportability;
- s. Environmental.

4. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)

1. Does your website provide a detailed description of your Company's capability? If yes then provide the appropriate link.
2. Are you an Australian registered company? Provide your ABN details?
3. 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.
4. Do you have a Reconciliation Action Plan (RAP) in place? If yes, please provide evidence.



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5. How many Indigenous/Aboriginal/Torres Strait Islanders are employed within your organisation? Stipulate whether the employees are Full Time or Part Time.
6. Provide details of the company's management organisation structure and full time headcount.
7. State your Professional Indemnity, Product and Public Liability and Work Cover Insurance coverage.
8. Please state what quality certification and accreditations you hold? Please provide evidence.
9. Do you hold Defence Industry Security Program (DISP) Membership? If so, please state what membership level you hold.
Refer to the [DISP Webpage](#) on information regarding DISP Membership and how to apply.
10. 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? Do you have data / reports you could provide examples of?

5. 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
2. Do you have capability to manufacture locally in Australia? If yes, please provide examples of local content manufacture. If not, please provide country of origin and estimated percentage of Australian Industry Capability content.
3. Provide details of how your company can support ASC Shipbuilding's commitment to support AIC. Detail if the labour to complete the SOW will be provided by Australian permanent residents.
4. Do you have the capability to manufacture in-house or will you need to subcontract portions of the work? If so, please provide details of your capability and on any outsourced components.
5. Advise what quality standards you currently manufacture to?
6. Do you have IT competency to manage File Transfer Portal?
7. Have you got the capability of modifying standard parts to meet bespoke requirements?
8. Do you have experience of shock testing equipment? If so please provide evidence.



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9. Do you have experience in using Lloyds Register Rules and Regulations for the classification of Naval Ships? If so, please provide evidence.
10. Do you have a clear understanding of the requirements for providing Objective Quality Evidence documentation? Please provide examples of experience.
11. Please provide details and location of your warehousing capability?
12. Do you have experience with Vendor Managed Inventory (VMI)? Please provide evidence.
13. Please confirm what IEC (Electrical Standards) and Australian standards you comply with?
14. Stipulate any further competitive discriminators currently not identified.

Closing date for Expression of Interest:**Friday 29th January 2021**