

Expression of Interest

Mast Doors, Hatches and Scuttles

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



Table of Contents

1.	INTRODUCTION.....	4
2.	SCOPE.....	4
3.	EQUIPMENT SCOPE OF SUPPLY	4
4.	PRE-QUALIFICATION QUESTIONNAIRE (GENERIC).....	6
5.	PRE-QUALIFICATION QUESTIONNAIRE (SPECIFIC TO THE REQUIREMENTS)	7



1. INTRODUCTION

ASC Shipbuilding are seeking Expressions of Interest (EOI) to design and manufacture doors, hatches and scuttles to access the mast for the Hunter Class Frigate Program (HCFP).

ASC Shipbuilding has 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 doors, hatches and scuttles to provide access to the mast. A Request for Tender (RFT) may be sent to down selected parties that have expressed interest closer to this time.

Note: This EOI is for the mast access requirement only and does not include the requirement for doors, hatches and scuttles for the remainder of the platform.

2. SCOPE

The purpose of the Capability Questionnaire is to establish the feasibility of prospective industrial partners to design and manufacture non-watertight doors and weathertight doors, hatches and scuttles to ASC Shipbuilding for the HCFP.

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

3. EQUIPMENT SCOPE OF SUPPLY

3.1 GENERAL REQUIREMENTS

The following requirements apply to all doors, hatches and scuttles:

- All doors, hatches and scuttles shall be type approved by Lloyd's Register;
- All design and materials (where applicable) shall be in accordance with the requirements as directed by Lloyd's Register Rules and Regulations for the Classification of Naval Ships, January 2020 (LR NSR 2020). See Volume 1, Part 3, Chapter 4, Section 4;
- All doors, hatches and scuttles shall be suitable for permanent installation in aluminium bulkheads and decks;
- The door, hatch and scuttle assemblies shall include the frame, blade, furniture and locks (if applicable) and be provided with all finished coatings;
- The doors, hatches and scuttles should be as lightweight as possible;



- The doors, hatches and scuttles may be required to meet additional functional and performance requirements. These will be communicated at a later date but the requirements may include, but not be limited to:
 - Environmental conditions
 - Noise and vibration o Shock
 - Signatures
 - EMC
 - Supportability

- All suppliers shall comply with the relevant safety requirements as specified in the Australian Work, Health and Safety Act, 2011.

3.2 DOORS IN FIRE RESISTING DIVISIONS

Door assemblies in the following fire resisting divisions as defined in the FTP Code:

- "A" Class
- "B" Class
- Non-combustible

All doors in fire resisting divisions shall comply with the relevant sections of the FTP Code.

3.3 WEATHERTIGHT DOORS

Weather-tight doors in aluminium bulkheads.

Weather-tightness testing shall be carried out to the satisfaction of the attending surveyor. For guidance use LR NSR 2020, Volume 1, Part 6, Chapter 6, Table 6.7.1.

3.4 GASTIGHT DECK HATCHES

Gastight hatches in aluminium decks.

All hatches should be fitted with a single opening / closing mechanism.

Gastight testing shall be carried out to the satisfaction of the attending surveyor. For guidance use LR NSR 2020, Volume 1, Part 6, Chapter 6, Section 7.8.

3.5 WATERTIGHT ESCAPE SCUTTLES

Watertight, flush deck, hinged, quick acting escape scuttles.

Testing shall be carried out to the satisfaction of the attending surveyor. For guidance use LR NSR 2020, Volume 1, Part 6, Chapter 6, Table 6.7.1.



Indicative shipset quantities for non-watertight doors, weathertight doors, hatches and scuttles for mast access are detailed in Table 1 below:

DESCRIPTION	PART No.	QTY (Indicative)
Non-Watertight Door	HDMC****	17
Weathertight Door	HDMC****	1
Gastight Hatch	HDMC****	5
Watertight Scuttle	HDMC****	1

TABLE 1: INDICATIVE SHIPSET QUANTITIES (MAST ACCESS)

4. PRE-QUALIFICATION QUESTIONNAIRE (GENERIC)

1. Are you an Australian registered company? Provide ABN details.
2. Does your website provide a detailed description of your Company's capability? If yes then provide the appropriate link. If no, provide capability statement.
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.
5. How many Indigenous/Aboriginal/Torres Strait Islanders are employed within your organisation? Stipulate whether the employees are Full Time or Part Time.
6. 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.
7. Provide details of the company's management organisation structure and full time headcount.
8. State your Professional Indemnity, Product and Public Liability and Work Cover Insurance coverage.
9. Please state and provide evidence of the relevant certifications and accreditations held.
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? Provide examples.



5. PRE-QUALIFICATION QUESTIONNAIRE (SPECIFIC TO THE REQUIREMENTS)

1. Provide details including value and location of previous relevant defence, maritime or commercial projects in which your company has delivered equipment. Detail the type, value, quantity and specific requirements of the equipment supplied to each project.
2. Do you have capability to manufacture doors, hatches and scuttles 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. 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.
4. What quality and technical standards do you design and manufacture to?
5. Advise which quality standards you currently manufacture to?
6. Do you have a clear understanding of the requirements for providing Objective Quality Evidence documentation? Please provide examples of experience.
7. Do you have IT competency to manage secure File Transfer Portal?
8. Have you had experience with providing LOAD or SHOCK Testing of materials or equipment certification? Please provide evidence.
9. Do you have experience in using Lloyd's Registers Rules and Regulations for the classification of Naval Ships. If so, please provide evidence.
10. Please provide details and location of your warehousing capability.
11. Do you have experience with Vendor Managed Inventory (VMI)? Please provide evidence.
12. 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.
13. Stipulate any further competitive discriminators currently not identified.

**Closing date for Expression of Interest:
Monday 11 January 2021**

