

**BAE SYSTEMS**

# **Expression of Interest: Phenolic Gratings**

## **Hunter Class Frigate Program**

**Including:**

**HCFP – Phenolic Gratings**

**Capability SOW & Questionnaire**

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## Acronyms and Definitions

<b>BAE</b>	BAE Systems Australia Limited
<b>EOI</b>	Expressions Of Interest
<b>HCFP</b>	Hunter Class Frigate Program
<b>RAN</b>	Royal Australian Navy
<b>GCS-A</b>	Global Combat Ship-Australia
<b>T26</b>	British Type 26 Global Combat Ship
<b>RAP</b>	Reconciliation Action Plan
<b>AUD</b>	Australian Dollars

Including Capability SOW / Questionnaire



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## 1. SCOPE

BAE Systems are seeking Expressions of Interest (EOI) to supply ships with phenolic gratings for the Hunter Class Frigate Program (HCFP).

BAE has recently been down selected to design and build the Royal Australian Navy's (RAN) future frigates.

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 at Osborne, Adelaide, SA.

The purpose of the Capability Questionnaire is to establish the feasibility of prospective industrial partners to provide VMI to BAE Systems for the HCFP.

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

### **Suppliers will be required to supply Phenolic Gratings with the below specifications:**

- Depth
  - 25mm
- Quantity
  - 160m<sup>2</sup>
- Operating Environment
  - Must withstand temperatures between 0°C and 55°C
  - Must withstand conditions of between 30% and 85% humidity
- Must be rattle-free
  - All fittings should be manufactured to prevent any rattles, i.e. there should be no loose parts which can move under excitation such as fluid flow or seaway motion.
- **Shock**
  - Shock Class 4 – UNCLASSIFIED
  - The equipment manufacturer shall declare the maximum shock values at which the equipment will remain fully captive and not release any projectiles or hazardous substances. Values to be declared for acceleration in the vertical and the horizontal direction. Materials from which the equipment and fixings are manufactured shall be selected to withstand the acceleration levels defined above.

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- Equipment components shall not be made of brittle materials likely to shatter when subjected to the acceleration levels defined above.
  
- Weight Budget:
  - The weight budget shall not exceed 2260Kg, based upon Supplier Data stating mass/m<sup>2</sup> = 11.91Kg (grating only) plus an additional allowance for deck & deckhead fixings (i.e. conservative estimate of +350kg total for 208 panels x 4 fixings per panel).
  - Materials that meet the requirements of the ship-build Programme but offer weight savings will be viewed favourably.
- Materials:
  - The Manufacturer will declare what percentage “elongation to failure” the equipment can withstand. If not, it must be qualified by shock testing or other means agreed between the Shock Management Team. Stainless steel nuts, bolts and washer (of appropriate grade) to be used in lieu of steel items if applicable.
  - Products should comply with Def. Stan 07-247. Candidate materials can be fire tested or formal concessions sought. Where Def-Stan evidence is not available can you please supply the CAS (Chemical Abstract Service) number, tech Sheet or Safety Data Sheet. The Phenolic Gratings shall be hard and durable and be able to withstand frequent use without damage.
  - The Equipment shall not use any substances identified as Substances of Very High Concern (SVHCs) or candidate SVHCs in EC Regulation No 1907/2006 (REACH). The materials shall not contain ozone depleting substances listed in EC Regulation 2037/2006EC, as amended.

## 2. PRE-QUALIFICATION QUESTIONNAIRE

1. Provide full details of previous major defence, maritime or commercial projects in which your company has delivered phenolic gratings.
2. Provide details of the company’s management organisation structure.
3. Are you an Australian-owned company?
4. Are you an Indigenous company?
  - a. If so, how many Indigenous employees do you have?
  - b. Do you have a Reconciliation Action Plan (RAP) in place?
5. How many full time (permanent) employees are currently employed by your company?
6. How many full time (permanent) employees are indigenous?
7. Provide your annual turnover in Australian Dollars (AUD).
8. State acquired company certification and accreditations.
9. Have you worked on defence contracts before?

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10. Do you have previous experience supplying phenolic gratings in Australia?
11. What State/s do you have these capabilities in?
12. Stipulate any further competitive discriminators that have not been identified in the answers to previous questions.

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

**14<sup>th</sup> June 2019 at 4.00PM**