

BAE SYSTEMS

Expression of Interest: Mechanical Compression Pipe Couplings

Hunter Class Frigate Program

Including:

HCFP – Mechanical Compression Pipe Couplings

HFC-0000004669/4671

Capability SOW & Questionnaire

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Acronyms and Definitions

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

Including Capability SOW / Questionnaire



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1. SCOPE

BAE Systems are seeking Expressions of Interest (EOI) to supply ships with Mechanical Compression Pipe Couplings 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 metallic pipe & fittings to BAE Systems for the HCFP.

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

Suppliers will be required to supply Mechanical Compression Pipe Couplings with the below specifications:

- The scope of supply is for various different types and sizes of Mechanical Compression Pipe Couplings for use on the Hunter Class - Global Combat Ship
- The following are the main types of Mechanical Compression Couplings to be supplied:
 - High Pressure Mechanical Compression Couplings for High Pressure Stainless Steel Pipe,
 - Low Pressure Mechanical Compression Couplings for 16 bar Stainless Steel Pipe,
 - Low Pressure Mechanical Compression Couplings for 90/10 CuNi Pipe and Copper Pipe
- The couplings shall be classed as Mechanical Compression Couplings in accordance with Lloyd's Register Rules and Regulations for the Classification of Naval Ships Volume 2, Part 7, Chapter 1, Section 5.10.
- The Supplier shall provide a letter from Lloyd's Register stating that the couplings offered are suitable for use on Class I and II pipe systems.
- High Pressure Mechanical Compression Couplings shall be supplied by Swagelok.
- The Supplies shall be Type Approved for use for the intended application on Naval Ships, in accordance with Lloyd's Register Rules and Regulations for the Classification of Naval Ships.

The Mechanical Compression Pipe Couplings supplied shall be compatible with:

- 316L Stainless Steel pipe as defined in ASTM A269 for high pressure (over 16 bar and up to 360 bar),

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- 316L Stainless Steel pipe as defined in BS EN ISO 1127 for up to and including 16 bar,
- Copper Pipes for instrumentation as defined in BS EN 1057 for up to and including 16 bar.
- 90/10 CuNi pipes as defined in EEMUA Publication No. 234 [S16] or BS EN 12449 [S17] for up to and including 16 bar.
- Note: ASTM A269 is equivalent to BS EN 10088-3:2014. SS 316L (A269) is equivalent to material number 1.4571 as per BS EN 10088-3.

Installation Constraints

- The Contractor shall supply details for all tooling (manual and powered), consumables, training and processes required to install the Mechanical Compression Pipe Couplings (using build yard personnel) that are supplied from the Contractor in accordance with the classification society Type Approval Certificate.

2. PRE-QUALIFICATION QUESTIONNAIRE

1. *Provide full details of previous major defence, maritime or commercial projects in which your company has delivered Mechanical Compression Pipe Couplings.*
2. *Do you have previous experience supplying Mechanical Compression Pipe Couplings?*
3. *Clearly state what components you are able to supply from listing below:*
 - a. *High Pressure Mechanical Compression Couplings for High Pressure Stainless Steel Pipe,*
 - b. *Low Pressure Mechanical Compression Couplings for 16 bar Stainless Steel Pipe,*
 - c. *Low Pressure Mechanical Compression Couplings for 90/10 CuNi Pipe and Copper Pipe*
4. *Confirm the make/makes of Mechanical Compression Pipe Couplings you are able to supply.*
5. *Confirm compliance sheets are available to meet standards in SOW.*
6. *State what of those components are Australian manufactured and what is imported.*
7. *If imported, are stocks held in Australia?*
8. *What State/s do you have these capabilities in?*
9. *Confirm that the "Installations Constraints" in SOW requirements can be met.*
10. *Have you worked on defence contracts before?*
11. *Provide details of the company's management organisation structure.*
12. *Are you an Australian-owned company?*

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13. *Are you an Indigenous company?*
14. *Please provide the number of Indigenous/Aboriginal/Torres Islander employees your organisation has? (Stipulate Full Time and Part Time)*
15. *Do you have a Reconciliation Action Plan (RAP) in place?*
16. *State acquired company certification and accreditations.*
17. *Stipulate any further competitive discriminators that have not been identified in the answers to previous questions*
18. *Have you updated your ICN company profile with the your trading name, contact details, website, ABN, number of employees, annual turnover, export details (if applicable) and ANZSIC codes? This information will be used in assessing this EOI.*

Closing date for Expression of interest:

4.00PM on the 1st of November 2019