



Expression of Interest: Profiled Tee and Beam Sections

Hunter Class Frigate Program

Including:

HCFP – Profiled Tee and Beam Sections

Capability SOW & Questionnaire

BAE SYSTEMS – IN – CONFIDENCE

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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

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1. SCOPE

BAE Systems are seeking Expressions of Interest (EOI) to supply ships with structural steel 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 Profiled Tee and Beam Sections to BAE Systems for the Hunter Class Frigate Program.

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

Main type of Profiled Tee and Beams Sections will be:

- i. Tee sections cut from IPE sections and cropped Tee and cropped Beam sections cut from IPE and UB sections.
- ii. The dimensions of the IPE beam sections shall be in accordance with Euronorm (19-57)
- iii. The dimensions of the UB sections shall be in accordance with BS4
- iv. The material grade of the IPE and UB sections shall be DH36.
- v. the supplier shall be furnished by BAE Systems with a finite quantity of IPE and Universal Beam sections for the required profiling operations to be undert

Potential scope of supply:

1. The indicative scope of supply for **cut Tee Sections** produced from IPE sections and indicative quantities below are gross weights (including scrap allowance) and are for one ship.

Material Grade	T Section	Cut from IPE	Maximum Length (m)	Circa Total Quantity tonnes
DH36	120T	240 IPE	13	409
	140T	240 IPE		
	160T	240 IPE		
	200T	240 IPE		
	220T	270 IPE		

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	240T	270 IPE		
	250T	330 IPE		
	260T	300 IPE		
	280T	330 IPE		
	315T	360 IPE		
	425T	500 IPE		
	450T	500 IPE		

2. The indicative scope of supply for **cropped Tee Sections** produced from IPE sections and indicative quantities below are gross weights (including scrap allowance) are for one ship.

Material Grade	Cropped Tee Section	Cut from IPE	Maximum Length (m)	Circa Total Quantity tonnes
DH36	200 CT	300 IPE	13	1
	250 CT	300 IPE		15
	270 CT	400 IPE		5

3. The indicative scope of supply for **cropped UB sections** produced from UB sections and indicative quantities below are gross weights (including scrap allowance) and are for one ship.

Material Grade	Cropped Universal Beams	Cut from Universal Beams	Maximum Length (m)	Circa Total Quantity tonnes
DH36	356 CUB	356x171x57 UB	13	10.5
	533 CUB	533x210x82 UB		1.5

4. To produce the finished Cropped section profiles, the following manufacturing processes shall be undertaken;
- a. Removal of one or both of the following;
 - i. Trimming the end flange as illustrated in Figure 1, to create a shaped nose profile in accordance with the detail shown in output drawings provided by BAE systems, these drawings shall be named in accordance with the

following naming convention: GCSA-SMF-UNIT-NUMBER-WORKPACK-PIECE-PART.

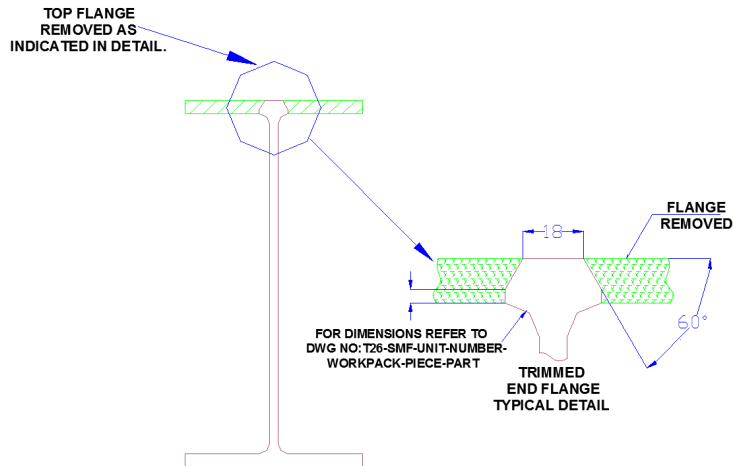


FIGURE 1 - ILLUSTRATION OF NOSE PROFILE FOR CROPPED IPE & UB

- ii. Cutting the trimmed and shaped IPE and UB sections along its length as shown in Figure 2, to produce a cropped section as illustrated in Figure 3.

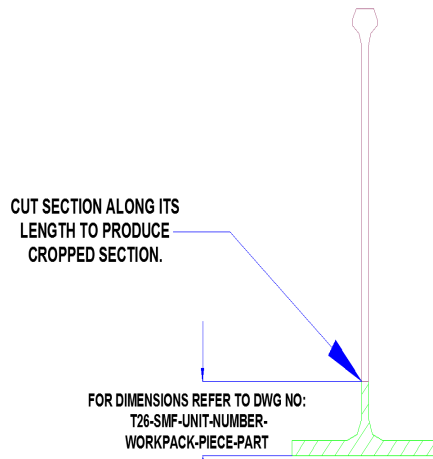


FIGURE 2 - PROFILED SECTION CUT ALONG LENGTH

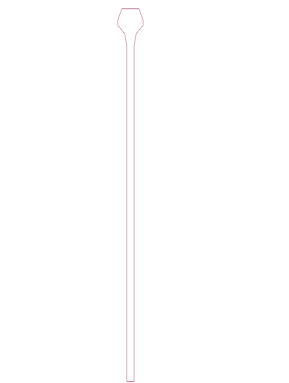


FIGURE 3 - CROPPED SECTION

- 5 The foot of the Cropped sections shall have square faced edges, free from burning ripple and slag
- 6 All finished beam sections listed in Tables 3-5, shall have a standard coating applied of warpaint approved interplate 855 weld through primer with a nominal thickness of 15-25µm, this requirement is only applicable in the event the Supplier has to source parent material
- 7 Acceptance shall be in accordance with the tolerance requirements provided within IP Standard 2.ST.01.07 and IP Standard 2.ST.01.13 for the Tee sections and Cropped sections, respectively
- 8 A non-tradable standard is one for which the requirements of the standard shall be applied. Table 7 lists the non-tradable engineering standards referenced in this Schedule.

Ref No	Standard Number	Title	Date	Applicable Sections
1		Lloyd's Register Rules for the Manufacture, Testing & Certification of Materials	July 2013	Chapters 1, 2 & 8

2. PRE-QUALIFICATION QUESTIONNAIRE

1. Provide full details of previous major defence, maritime or commercial projects in which your company has delivered a similar scope of work.
2. Stipulate all current projects and future projects, your company has any involvement in.
3. Provide details of the company's management organisation structure.
4. Are you an Australian Owned company?
5. 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?
6. How many full time (permanent) employees are currently employed by your company?
7. How many full time (permanent) employees are indigenous?
8. Provide your annual turnover in Australian Dollars (AUD).
9. State acquired company certification and accreditation.
- 10 Do you have the capability to meet the requirements in the scope of work ?
 - a. Fully
 - b. Partial
- 11 If partial capability, details what capability your company can provide.
- 12 Do you have warehousing facilities?
- 13 Do you have the ability to manage 13 metre lengths of IPE and Universal Beams?
- 14 Do you have barcoding capabilities?
- 15 What capacity of warehousing would be available?
- 16 What State/s do you have these capabilities in?
- 17 Do you have a full time Project Coordinator currently working in your Organisation?
- 18 Stipulate any further competitive discriminators that have not been identified in the answers to previous questions.

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Closing Date for Expression of Interest:

4.00 p.m. Friday 6th December 2019