

**Request for Expression of Interest:**  
*Shock, Vibration and Noise Testing*

Issued 14<sup>th</sup> July 2020

**Hunter Class Frigate Program**



**Acronyms and Abbreviations**

<b>Acronym</b>	<b>Description</b>
A2LA	The American Association for Laboratory Accreditation
ABN	Australian Business Number
ANZSIC	Australian and New Zealand Standard Industrial Classification
EOI	Expression of Interest
HCFP	Hunter Class Frigate Program
Hz	Hertz
ICN	Industry Capability Network
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ISO	International Organisation for Standardisation
Nata	National Association of Testing Authorities, Australia
NAVSEA	Naval Sea Systems Command

**Definitions List**

<b>Term</b>	<b>Definition</b>
CB Scheme	A vast international arrangement established the by the International Electro technical Commission for mutual acceptance of test reports among participating certification organizations in the field of electrical and electronic equipment



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## 1 INTRODUCTION

ASC Shipbuilding Pty Ltd as shipbuilders for the Hunter Class Frigate Program (HCFP) are seeking Expressions of Interest (EOI) from Australian industry to ascertain the current level of Australian capability to provide Shock Vibration and Noise testing to support delivery of the HCFP and other shipbuilding programs.

## 2 EOI OBJECTIVES

The current testing requirements for Shock, Vibration and Noise testing are wide spread and varied throughout Australia and New Zealand. The HCFP aims to consolidate Shock, Vibration and Noise testing capability and work in partnership with Industry to achieve this aim.

The purpose of this request for EOI is to identify potential suppliers interested in collaborating with ASC Shipbuilding Pty Ltd for identification and management of Shock, Noise and Vibration capability for HCFP.

Following review of EOIs, it is intended that proposal/s will be requested from appropriate shortlisted parties who will then be contracted to review and define current in-country capability relating to Shock, Noise and Vibration for the HCFP. The output will be a written report of existing Shock, Vibration and Noise capabilities in Australia including, but not limited to:

- in-country capability defined;
- gap analysis against the complete testing requirements; and
- gap reduction strategies.

## 3 REQUESTED EOI INFORMATION

Respondents to the EOI are request to provide a detailed description of your organisations capabilities, equipment and qualifications including but not limited to:

1. Accreditation of organisation and/or equipment to ISO 9001:2015, ISO:17025, CB Scheme, A2LA, Nata, NAVSEA
2. Range in testing Capability for Noise vibration and Shock in terms of velocity, acceleration, displacement Hz, weight, length, width and height
3. Testing types capable of being performed (e.g. half sine, sawtooth wave, and trapezoid)
4. Experience in performing Noise Vibration and Shock testing for the Australian Navy
5. Experience and understanding of in Shock Spectrum (Preferably Pseudo-Velocity Shock Spectrum)
6. Previous experience and application of Lloyds Register Rules and Regulations for the Classification of Naval Ships
7. Manufacture, assembly, testing capabilities
8. Documented material control and traceability procedures for in-house and sub-supplier manufacture and testing



9. Provide full details of previous major defence, maritime or commercial projects in which your company has delivered castings.
10. What State/s do you have these capabilities in?
11. State acquired company certification and accreditations.
12. Stipulate any further competitive discriminators that have not been identified in the answers to previous questions.
13. 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.

#### **4 FORMAT AND CLOSING DATE FOR RESPONSES**

Expressions of Interest should be lodged in word format before 4.00pm (Australian Central Standard Time) on 29<sup>th</sup> July 2020.

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