



Public Australian Industry Capability Plan

Contract No: CASG/JSD/Con7146/2 (Support)

JP9101 Defence High Frequency Communications System

Company Details

- Babcock Proprietary Limited
- Level 9, 70 Franklin Street Adelaide SA 5000
- www.babcock.com.au

Executive Summary

The Commonwealth has contracted the Acquisition and Support of the JP9101 Enhanced Defence High Frequency Communications System (EDHFCS) capability to Babcock Australia under two separate contracts. We are seeking capabilities that support further innovation and contesting of more work packages to be contracted to Australian SMEs. This Public AIC Plan is for the Support scope of work.

The purpose of the Defence High Frequency Communication System is to provide effective, flexible and responsive Strategic HF communications capability to deployed land, sea and air assets and the ADF war-fighter. The JP9101 Contract shall deliver an EDHFCS to retain an enduring long-range HF capability to 2040. The capability will be highly automated and advanced delivering reliable information exchanges faster and further than the legacy Defence High Frequency Communications System (DHFCS). During the initial phase of the JP9101 program Babcock will be responsible for sustaining the in-service DHFCS until the upgraded EDHFCS is incrementally transitioned into service.

The Materiel System comprises a Mission System (MS) and Support System (SS).

The Support System (SS), when operated iaw the Contract, addresses the tasks, procedures, resources and personnel competencies required for the following (aka Support System Constituent Capabilities):

- **Operating Support** which includes the organisation of hardware, Software, materiel, Facilities, Personnel, processes and Technical Data needed to enable the Mission System to be competently operated throughout its LOT.
- **Engineering Support** which includes the organisation of Hardware, Software, materiel, Facilities, personnel, processes, and Technical Data needed to enable engineering and design-management services to be competently provided for the Materiel System throughout its LOT. Engineering Support includes Software support.



- **Maintenance Support** which includes the organisation of hardware, Software, materiel, Facilities, Personnel, processes, and Technical Data needed to enable Maintenance services to be competently provided for the Materiel System throughout its LOT.
- **Supply Support** which includes the organisation of hardware, software, materiel, Facilities, Personnel, processes and Technical Data needed to enable supply services to be completely provided for the Materiel System throughout its LOT. Supply Support also includes the Support Resources of Spares and Packaging.
- **Training Support** which includes the organisation of Hardware, Software, materiel, Facilities, personnel, processes, and Technical Data needed to enable Training services to be competently provided for the Materiel System throughout its life.

To develop and deliver the SS Babcock will leverage its expertise in operating, maintaining and supporting HF systems of other nations.

Prime Contract Duration and Price

The duration of the Support contract is approximately 10 years from the Contract Operative Date, with forecast completion date of mid 2032.

Contract	Component	Value
Support Contract	Total Contract Value	\$264.7M
	Total Australian Contract Expenditure	\$245.3M
	Total Subcontractors (forecast)	\$10.8M

Subcontracted Work

The scope of work subcontracted to Australian industry under the Contract Support, in the form of Australian Industry Activities, is approximately; \$7.4M with the primary suppliers and subcontractors to be utilised in the delivery of the Contract identified in the table below.

Australian Subcontractors	Description of Australian Industry Activity Scope of Work	Location
Lockheed Martin Australia Pty Ltd ¹	Automated Communications Sub System delivery, Systems Integration and Test Lab support, System Engineering and Technology Evolution Program Support	Adelaide, South Australia
CyberCX ²	Cyber-security accreditation, assurance and network monitoring.	Adelaide, South Australia
Ebor Systems ^{1 and 2}	OEM of the Nullarbor Direction Finding and Signal Improvement (DF/SI) subsystem to the existing DHFCS - upgrade and extend the life of the existing DF/SI subsystem for JP9101.	Adelaide, South Australia

¹Approved Subcontractor

²SME

babcockTM

Transfer of Technology

Babcock is transferring significant intellectual capital, technology, knowledge and experience from its existing Defence Communications team in the UK to Australian Industry so as to establish a Sovereign Industrial Capability.

The JP9101 DHFCS/EDHFCS Contract contributes to the development and sustainment of the following Sovereign Industrial Capability Priorities (SICPs);

- Surveillance and Intelligence and
- Test, evaluation certification and systems assurance.

These SICPs include the following Critical Industrial Capabilities (CICs)

- A digitally capable and specialised workforce
- HF sensor technologies
- Command, Control, Communications, Computing and Intelligence (C4I) Integration
- Secure Communication Technologies
- Advanced Information Network Certification and Systems Assurance

Specifically, Babcock is prescribed under the Contract to establish and retain the Australian based industry capabilities necessary to both evolve and sustain the EDHFCS.

The Approved Subcontractors' are Australian companies already recognised for their technological and capability leadership and significant contribution to enhancing and maintaining the relevant Critical Industrial Capabilities.

Australian subcontractors and suppliers (especially those SMEs, indigenous owned businesses and/or those veteran organisations) with capabilities that align with or are complementary to the above CICs should register with Babcock via the Babcock Representative identified below.

Babcock will continue to liaise with the Indigenous Defence and Infrastructure Consortium (IDIC) and Supply Nation in identifying and developing Indigenous supplier opportunities iaw the Commonwealth's Indigenous Procurement Policy (IPP).

In addition to the above, Babcock is committing to;

- Partnering with Australian companies that have relevant HF expertise, to enable them to develop and maintain relevant CICs.
- Locate the Contractor Support Facility in South Australia to create an Economic Cluster in High Frequency technologies.
- Establishing export pathways through application of common architectures to those being installed in other overseas partner nations.
- Establishing a User Nations Working Group, as a platform for highlighting the capabilities of Australian Industry to other users.

Babcock is implementing a spiral approach to system evolution and growth. This will enable market testing opportunities for Australian industry to benefit from future investment in JP9101. As a result, the CICs will be enhanced in areas relevant to the Technology Evolution Program, including systems and software engineering, algorithm development, systems integration, verification and hardware.

Australian technology and support services companies with capabilities that relate to the CICs and the HF Communications domain are encouraged to contact Babcock.

An approach to potential local and national suppliers that can provide remote site Facilities and Grounds Maintenance services is planned to take place in 2023 (refer table below).

The support system activities will predominantly be managed from Babcock’s Contractor Support Facility (CSF) in Adelaide, South Australia however, Babcock’s sourcing strategy has a strong national focus with the EDHFCS sites being located across regional and remote Australia.

Description of the Goods / Services for which the Source of Supply is still to be Determined	Opportunities for the Participation of Australian Industry and timeline.	Description of opportunity, or rationale for no opportunity
Facilities and Grounds Maintenance	Services for local industry at each remote/regional site including; North West Cape (WA), Darwin (NT), Riverina (NSW), Townsville (QLD). From 2023 onwards	Janitorial Services Pest Control Services Facilities Maintenance Services Painting Services Sewerage Services Electrical System Services Water System Services Grounds and Grounds Structures Maintenance Services.

Market Engagement

Babcock will engage the market extensively during the initial 2 years of the program with future evolution and growth opportunities expected to drive ongoing engagement requirements. Specific market engagement initiatives will be advertised and promoted including via the following methods;

- Utilising its existing Australian supply chain and those suppliers identified in its JP9101 market surveys to identify candidate companies
- Conduct industry briefings via federal and state government forums and representative bodies
- Soliciting requirements via the Industry Capability Network (ICN) Gateway
- Direct contact from Australian suppliers that are able to demonstrate required capabilities.

When firms make general inquiries, Babcock will respond within 20 business days. Australian entities should contact the Babcock Australia Representative via the details below.

Classification:OFFICIAL



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Approval

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