LAND 19 PHASE 7B ACQUISITION
SHORT RANGE GROUND BASED AIR DEFENCE

AUSTRALIAN INDUSTRY CAPABILITY PLAN

APPENDIX 2 – PUBLIC AIC PLAN

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PUBLIC AIC PLAN
CASG/LSD/Con7462/1
Short Range Ground Based Air Defence Acquisition

Company Details:

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Executive Summary:

CASG/LSD/Con7462/1 (the Contract) was established in 2019 to provide the Australian Defence Force (ADF) with an advanced Short Range Ground Based Air Defence (SRGBAD) capability. Army will operate the SRGBAD capability, which will be an integrated component of the Joint Integrated Air and Missile Defence (JIAMD) System. This public AIC Plan outlines details of Raytheon Australia 's contracted scope of work and the associated development of Australian Industry Capability (AIC) in delivering the required capability to the Commonwealth.

Raytheon Australia will deliver an SRGBAD capability based upon the National Advanced Surface to Air Missile System (NASAMS), which has been developed jointly by Raytheon Company (US) and Kongsberg Defence & Aerospace (Norway) over the past 25 years. The Australian SRGBAD Mission System has four principal elements:

- Command and Control (C2), based on the containerised Kongsberg multi-mission Fire Distribution Centre (FDC);
- Sensors, including CEA Technologies Active Electronically Scanned Array (AESA) radars, and the Raytheon Electro-Optic and Infra-Red (EO/IR) passive sensors, incorporating the Raytheon Company Multi-Spectral Targeting System (MTS-A) - known as the Ground Based Multi-Spectrum Sensor (GBMSS);
- Missile launchers, including Canister Launchers mounted on the HX-77 heavy truck and a High Mobility Launcher (HML) configuration mounted on the Hawkei Protected Mobility Vehicle-Light; and
- Effectors, including the Raytheon Al M-120 Advanced Medium Range Air to Air Missile (AMRAAM), the AIM-9X Sidewinder missile and the Counter-Rocket, Artillery and Mortar (C-RAM) Warn system.

In addition to the primary SRGBAD Mission System equipment, a Classroom Trainer capability will be delivered to support SRGBAD training.

As the Prime Systems Integrator (PSI), Raytheon Australia is the System Design Authority and is responsible for the Mission System and Support System deliverables, including integration of Government Furnished Material elements. The work for the design and development phase of the program is primarily being undertaken in Sydney and Canberra, and the production phase, including V&V, in Adelaide

The Australian companies detailed in Table 1 have been selected as subcontractors under the Contract (Acquisition)

Table 1: Subcontractor Details – (Acquisition)

Supplier Name	Supplier Location	Work Packages
Kongsberg Defence Australia Pty Ltd	ACT and SA	Sub-System Integration including test and verification activities
Multi-Media Concepts Pty Ltd	NSW	Multi-media Training
Eniquest Pty Ltd	QLD	Subsystem electrical power Generators
GH Varley Pty Ltd	NSW	EO/IR Shelter
Eylex Pty Ltd	NSW	EO/IR Sensor Mast
Numetric Manufacturing Pty Ltd TAs Axiom Precision Manufacturing	SA	EOIR Prototype EE Manufacture
Snapp Engineering	NSW	EOIR - Mockup Shelter
Cambridge Technologies	VIC	EOIR - Solder Sleeves
Touchpoint Technology Pty Ltd	NSW	USB Drivers for L19 I&V MS deliverables
Metromatics Pty Ltd	SA	Warn Acromag Ethernet I/O Modules
APC Technology	SA	Ruggedised computers and other electronic components
Braemac Pty Ltd	SA	EOIR Sensor Interface Unit (SIU) and associated cabling and spares
Clarke & Severn Electronics	NSW	EOIR Prototype - ODU Cable Build
Hartwig Air	SA	Flying School - December Flight Trail serials
Harris Communications (Australia) Pty Ltd	QLD	Radio Technical Services and Ancillaries
Thales Australia Pty Ltd	NSW	High Mobility Launcher Vehicle Mechanical Interface Design
APC Technology	SA	Warn Interface Units and communications hardware/racks

Due to the varying maturity of Local Industry Work Packagers, Raytheon Australia adopted a phased approach for supplier selection, as follows:

- Phase 1 – Tender Proposal Development; and
- Phase 2 – Contract Market Testing

Australian Suppliers are considered for the Local Industry Activities described below.

- Prime System Integration, including systems engineering, verification, logistics support activities, training design and delivery, and the management and governance of associated activities
- Subsystem Integration, including production, assembly, integration and testing of major sub-systems including launchers and command and control systems
- Development of Multimedia material for use in training
- Subsystem electrical power Generators, including design, manufacture and testing
- EO/IR Shelter, including design, development, integration, manufacture and testing of hardware and software
- Supply and support of the EO/IR Sensor Mast
- EO/IR and Warn Subsystem Electronic Components
- EO/IR, Warn and CLCP Subsystem Metalwork Components
- Radio Technical Services, including integration and testing, and provision of radio Ancillaries
- Design support for the HML Vehicle Mechanical Interface (VMI)
- Design development and production of the Warn Interface Units and Taclane Trays

Raytheon Australia signed the Contract with the Commonwealth in June 2019 with a total value of $680M (GST exclusive), including a Local Industry Activity value of approximately $144.6M (GST exclusive).

In delivering the Australian-based scope of work, Raytheon Australia is directly contributing to the development of the following Australian Sovereign Industrial Capability Priorities (SICPs):

- Test, Evaluation, Certification and Systems Assurance;
- Surveillance and Intel Collection; and
- Advanced Signals Processing.

Raytheon Australia has structured the associated AIC plan to align with the program scope. To meet the Government's industry policy objectives Raytheon Australia has focused on:

- Delivering Defence capability - by engaging Australian industry as part of the solution;
- Driving competitiveness and export potential - by developing and enhancing local capabilities;
- Identifying opportunities for Indigenous Business Enterprises (IBEs) in the supply chain; and
- Strengthening Australia's sovereign industrial capabilities - by developing the identified SICPs.

Scope of Future Work Opportunities:

There are future work opportunities for Australian industry that are related to the Contract, including activities related to the Support System, mid-life upgrades and spares provisioning. Many of these opportunities may be facilitated through ad hoc scope changes. The majority of this work is anticipated to take place in the Raytheon's Centre for Joint Integration (CJI) which is located in Adelaide.

Raytheon Australia will continue to monitor and engage with potential Australian suppliers and encourage interested companies to register their capabilities to become part of the Raytheon's supplier network.

Future Opportunities / Industry Engagement:

Raytheon Australia is committed to AIC development and has a strong history in developing, and seeking opportunities for, Australian industry. Raytheon Australia works with many Australian companies, and has established a number of capability partners, including a number of Small and Medium Enterprises (SMEs).

Raytheon Australia's selection of capability partners is typically based on a long-term engagement with capability needs reviewed at least annually. Raytheon Australia actively engages the Australian supply base through close engagement with the Government's Office of Defence Industry Support (ODIS); SME forums; engagement with Industry Groups such as AIDN; Universities; and via routine and event driven assessments.

Engagement with SME's is also undertaken through our highly successful Global Supply Chain initiative, the Raytheon Australia Industry Development Unit (IDU). Raytheon's IDU promotes the interests of Australian industry, including SMEs, by identifying and facilitating future business opportunities in the Raytheon Technologies global supply chain.

Companies who would like to make representations of their capabilities, innovations, and the value they can provide the LAND 19 Phase 7B program should register their interest with the IDU and SRGBAD Contract Manager via one of the following:

IDU
Email: idu@raytheon.com.au
Phone: +61 2 6122 0200

Contracts Manager, Land 19 Phase 7B
Raytheon Australia
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Authorised for and on behalf of Raytheon Australia Pty Ltd

Ohad Katz
Chief of Contracts and Supply Chain
Raytheon Australia
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