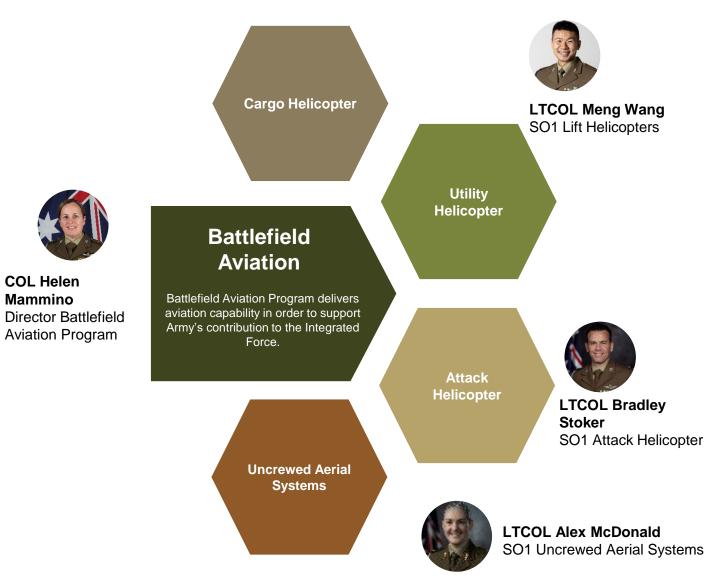


BATTLEFIELD AVIATION PROGRAM

Director: COL Helen Mammino

Land Environment Working Group Army's engagement with Industry





Battlefield Aviation is a critical capability that ensures the Integrated Force is connected, protected, lethal and enabled through the provision of tactical speed, reach, access, situational awareness and lethality.

> Land Environment Working Group Army's engagement with Industry





Cargo Helicopter	LAND 4502 CH-47F Chinook	 Chinook fleet capability assurance / Block upgrade 	 Chinook fleet capability assurance / Block upgrade
Utility Helicopter	 LAND 4507 UH-60M Black Hawk introduction into service AW139 H135 	Black Hawk capability realisation	 Black Hawk Next Generation Rotorcraft Crewed / Un-crewed ecosystem
Attack Helicopter	 ARH Initial deliveries: AH-64E 	 LAND 4503 AH-64E Apache introduction into service ARH drawdown / withdrawal from service 	AH-64E Apache capability realisation
Uncrewed Aerial Systems	 DEF 129 Ph3 Tactical UAS Shadow 200 withdrawn from service AMP 024.35 Small UAS+ LAND 129-4A Wasp AE Initial deliveries: DEF 129 Ph4B Small UAS 	 DEF 129 Ph3 Tactical UAS DEF 129 Ph4B Small UAS DEF 129 Ph5 Maritime UAS 	DEF 129 Ph6 Small UAS+
	Horizon one – 2024-2025	Horizon two– 2026-2030	Horizon three– 2031 and beyond
			and Environment Working Group

Land Environment Working Group

Army's engagement with Industry



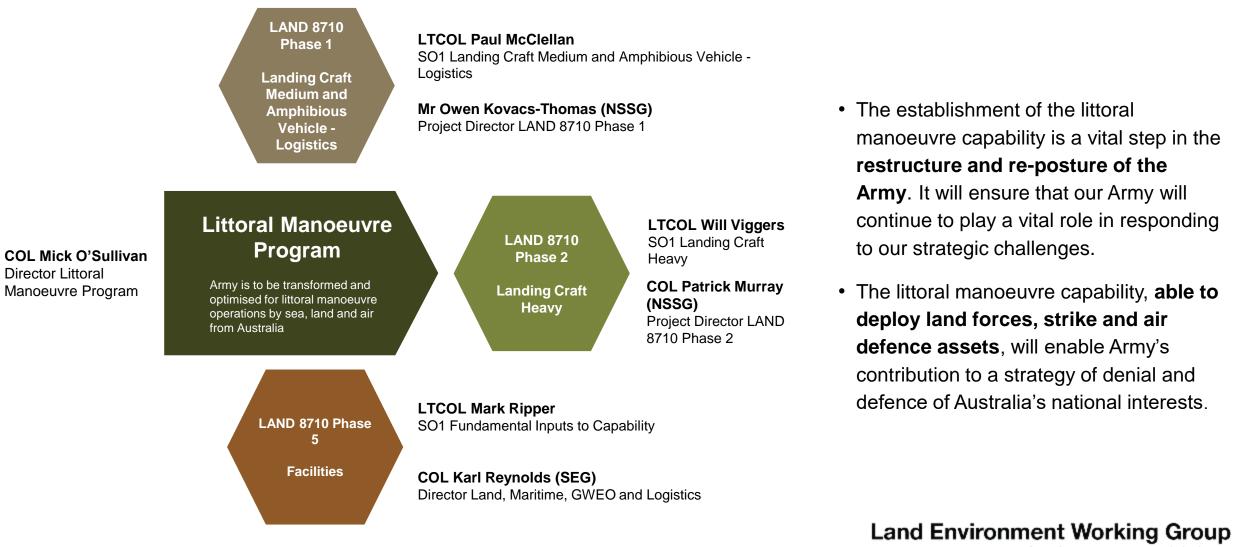
LITTORAL MANOEUVRE PROGRAM

Director: COL Mick O'Sullivan

Land Environment Working Group Army's engagement with Industry



Director Littoral



Army's engagement with Industry



The littoral manoeuvre vessels will be will be delivered between 2026 and 2037, supporting continuous naval shipbuilding and contributing to Australia's national industrial base.

	LAND 8710 PH1 (Phase 1A)	LAND 8710 PH1 (Phase 1B)	LAND 8710 Phase 2
Littoral Manoeuvre Vessels	• The first landing craft medium is scheduled for delivery in 2026. It will be designed by Birdon and built by Austal under the Strategic Shipbuilding Agreement in Henderson.	 The first Amphibious Vehicle Logistics is scheduled for delivery in 2028. 	The first Landing Craft Heavy is planned for launch in 2028.
	LAND 8710 PH5		

Littoral Manoeuvre Facilities

• Littoral Manoeuvre facilities will be delivered through LAND 8710 Phase 5 to match delivery of vessels. These are likely to include additional berthing, maintenance, warehousing, and other associated facilities to operate and sustain the littoral manoeuvre vessels and the new Units of Army.

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Army's engagement with Industry



LAND COMMAND, CONTROL, COMMUNICATIONS AND COMPUTING (LC4)

Director: COL Michael King

Land Environment Working Group Army's engagement with Industry



Battlefield Telecommunicat

> ions Network (BTN)

> > **Tactical**

Communication s Network (TCN)

COL Michael King Director LC4 Director LC4

Battle

Management System (BMS)

Deployed Information Environment (DIE) The BMS consists of the hardware and software products that are integrated to provide Command and Control and Situational Awareness functions in support of the decision cycles within military operations. BMS is predominantly an information service.

> The BTN is the wide area network that provides communication between strategic and operational echelons. The BTN is the Integrated Land Force's communications backbone.

The TCN is the extension of the BTN into the Tactical echelon. The TCN provides voice and data communications within a tactical area. The BTN provides the connectivity between different tactical areas.

The DIE is the deployable local area network infrastructure which provides the Land warfighter information environment.

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Army's engagement with Industry



Enhanced Force-in-Being	Objective Integrated Force	Future Integrated Force
 Interim Deployed Information Environment providing logically and physically separated Protected, Secret and Mission Partner Environments in support of the Joint Land Force. Fully supported BMS application for HQ and mounted platforms, compatible with Coalition Partners. Can support interoperability with a US led coalition. Limited ability to support a coalition with regional partners. Establishment of Joint Black Core Network standard providing Joint connectivity between Strategic and Operational elements. Limited interoperability with other government organisations impacting communication & connectivity during Domestic Operations. 	 Land C4 capability enhanced through the upgrade of legacy radios and waveforms; including within platforms. Sovereign Tactical Radio capability will enable greater domestic and regional mission partnering. Integrated Friendly force tracking supporting recognised ground and logistic pictures, and allowing the display of tracks. Replacement of SATCOM Terminals, enhancing WAN capability & resilience for the Joint Force. Sensor Distribution Network providing the ability to generate strike effects from wide array of sensors across all Domains. Accredited, secure Sovereign Tactical Architecture (ATLA-S) will support regional coalition operations. 	 Expansion of ATLA-S increases sovereign control of land networks. Native exchange of information and data between WNA delivered systems and BMS supporting Tactical users. Crypto-Segmentation is proven and accredited, allowing the presence of multiple security enclaves on single hardware instances. Increased integration and interoperability between deployed secret systems will reduce swivel chair operations and increase digital collaboration across the joint land force. Common data standard and Sensor Distribution Network will provide the ability to leverage a wide array of sensors across all Domains to generate strike effects. Foundational work towards an Internet of Military Things (IoMT)/Tactical Cloud
Horizon one – 2023-2025	Horizon two – 2026-2030	Horizon three – 2031 and beyond
 Threats/Risks by Epochs Defence workforce capacity to achieve sche Impact of ongoing gifting & sales activities u Impact of DSR outcomes on priority and sch 	pon finite resources (Defence and Industry).	Land Environment Work

onment Working Group Army's engagement with Industry



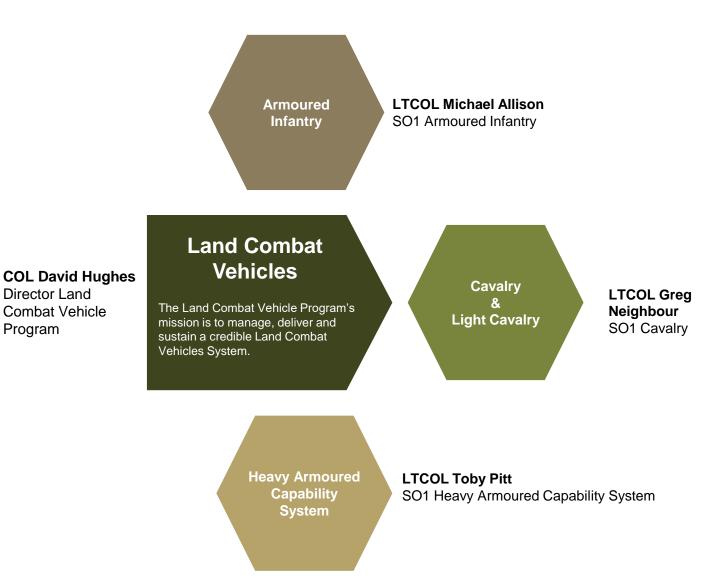
LAND COMBAT VEHICLE PROGRAM

Director: COL David Hughes





Program



- The Land Combat Vehicles System ensures the ADF has an enduring capability for land manoeuvre into, through and beyond the direct fire zone in contemporary and future operating environments.
- This capability is required to achieve Defence's strategic objective of an amphibious capable combined-arms land system (Integrated Investment Program 2024, para 7.7)
- The Program is currently managing legacy M1A1 Tank, ASLAV Cavalry and M113 APC fleets.
- The Program is delivering M1A2 SEPv3 Main Battle Tanks, Combat Engineering Vehicles (Bridging and Breaching), additional Armoured Recovery Vehicles, Boxer Combat Reconnaissance Vehicles and Redback Infantry Fighting Vehicles.

Land Environment Working Group Army's engagement with Industry



Armoured Infantry	 Verification and Validation of Redback Infantry Fighting Vehicles Maintenance of legacy M113AS4 Family of Vehicles, leading to drawdown 	Complete Infantry Fighting Vehicle integration in Land Combat System	Future systems development and integration
Cavalry	 Commence delivery of Boxer Block II Combat Reconnaissance Vehicles Maintenance of legacy ASLAV systems 	 Continued delivery of Boxer Block II Combat Reconnaissance Vehicles Managed reduction of ASLAV 	 Evolve protection and sensor systems Support future ISR systems
Heavy Armoured Capability System	 Delivery of M1A2 SEPv3 Main Battle Tanks Delivery of Assault Breacher Vehicles Delivery of Joint Assault Bridging Vehicles 	 Complete capability integration within Land Combat System Finalise withdrawal of M1A1 AIM SA 	 Evolve Main Battle Tank systems, aligned to US build state Support heavy armour capability through-life
	Enhanced Force-in-Being – 2024-2025	Objective Integrated Force – 2026-2030	Future Integrated Force – 2031 and beyond

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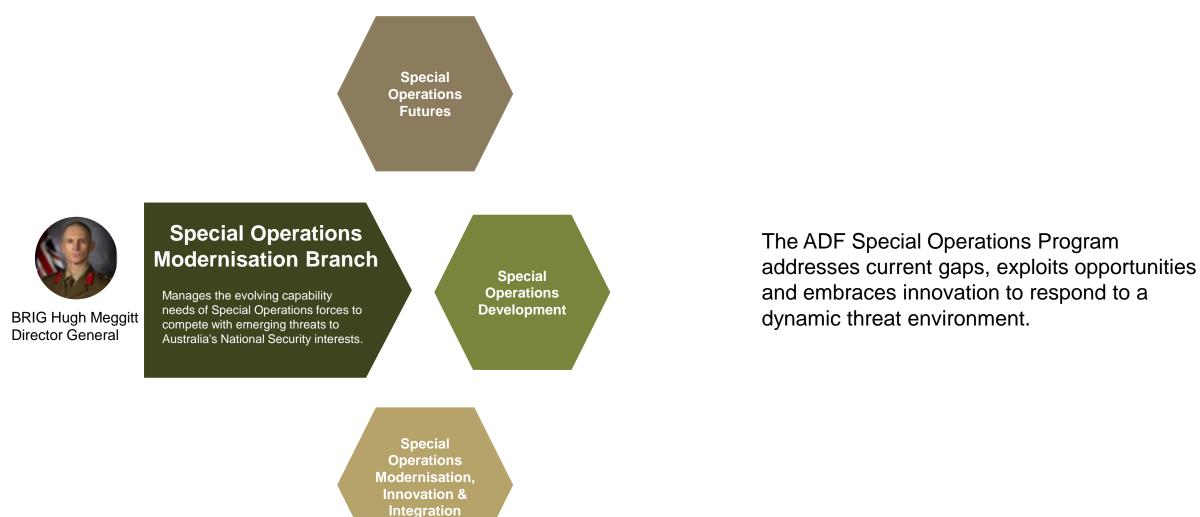
Army's engagement with Industry



ADF SPECIAL OPERATIONS PROGRAM

Land Environment Working Group Army's engagement with Industry





Centre

OFFICIAL

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Army's engagement with Industry



BRECHAL OPERATIONS	ACTION AND AND AND AND AND AND AND AND AND AN	NTEGRATION SOUTH STORE S
Special Operations Program Directorate	Directorate of Future Concepts & Experimentation	Directorate Modernisation, Integration and Innovation (SOMIIC)
 Needs Analysis Approved Projects Unapproved Projects Capability Sustainment Program Management and Assurance Facilities & Infrastructure 	 Concepts Experimentation Innovation Science and Technology Test & Evaluation 	 C5ISREW Design Digital Integration Network Engineering Cyber Security

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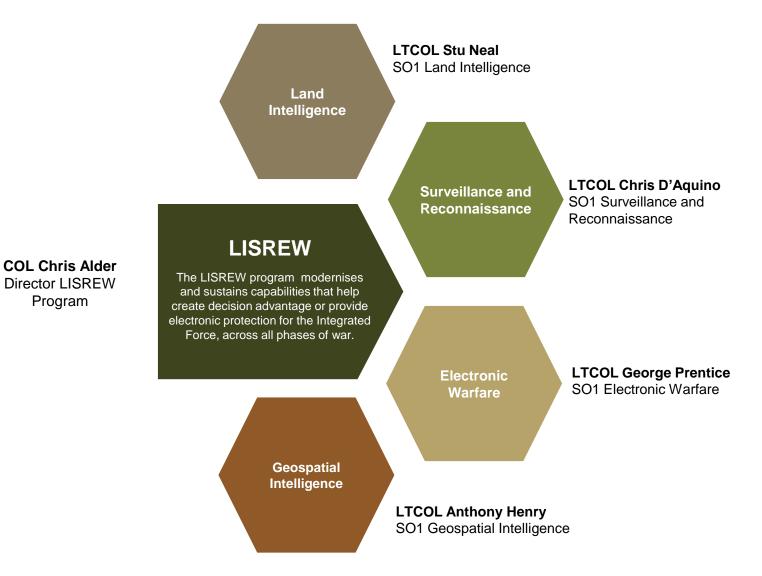
LAND INTELLIGENCE SURVEILLANCE RECONNAISSANCE AND ELECTRONIC WARFARE (LISREW) PROGRAM

Director: Colonel Chris Alder

Land Environment Working Group Army's engagement with Industry



Program



LISREW Program Overview

- The LISREW Program consists of four subprograms including:
 - Land Intelligence
 - Surveillance and Reconnaissance
 - Electronic Warfare
 - Geospatial Intelligence
- LISREW current focus is the development and establishment of the Land Targeting Enterprise (LTE); delivery and maintenance of a deployable capability able to collect, process, analyse and disseminate Land GEOINT; and the delivery of Land Electronic Warfare capability to protect the Integrated Force's use of the electro-magnetic spectrum, while using electronic means to disrupt the adversaries use of the electromagnetic spectrum.

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Army's engagement with Industry



Land Int	 L8410-1 – Land Intelligence Modernisation – Acquisition (Completed 2024) Land Targeting Enterprise 	 L8410-1 – Sustainment Land Targeting Enterprise L8400 – Land Intelligence and Information Warfare Modernisation - Acquisition 	 L8410-1 – LoT 2034 L8400 – Land Intelligence and Information Warfare Modernisation - Sustainment
S&R	 AMP02437 - Passive Radar – Trial AMP06003 – Wide Area Airborne Surveillance – Trial AMP06004 – Integrated Sensor Project 	AMP02437 - Passive Radar – Acquisition AMP06003 – Wide Area Airborne Surveillance – Trial /Acquisition	Next generation Ground based surveillance
EW	 L500 – Tactical EW System - Mounted (TEWS-M) Sustainment L555-6 – Force Level EW System – Mounted (FLEWS-M) Acquisition 	 L500 Sustainment LoT 2029 L555-6 Sustainment L4120 - Land EW 30 year Rolling project: Tranche 1 Dismounted EW Tranche 2 Extended Range 	 L555-6 LoT 2033 L4120 LoT 2058
Geo Int	 DEF1771 – Geospatial Intelligence and Support (formerly LAND 1771 Ph 0 – Geospatial Support System for the Land Force) 	 DEF1771 – Geospatial Intelligence and Support 	 DEF1771 – Geospatial Intelligence and Support (formerly LAND 8420 Ph 1 – Geospatial Support Systems)
	Horizon one – 2024-2025	Horizon two– 2026-2030	Horizon three– 2031 and beyond
			Land Environment Working Cro

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Army's engagement with Industry

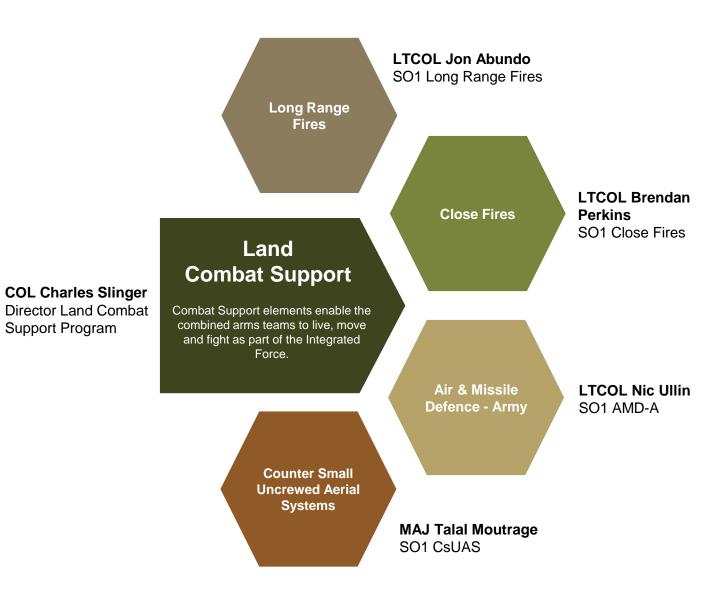


LAND COMBAT SUPPORT PROGRAM

Director: COL Charles Slinger D/Director (Fires): LTCOL Nic Ullin D/Director (Combat Engineers): LTCOL Dave Evans



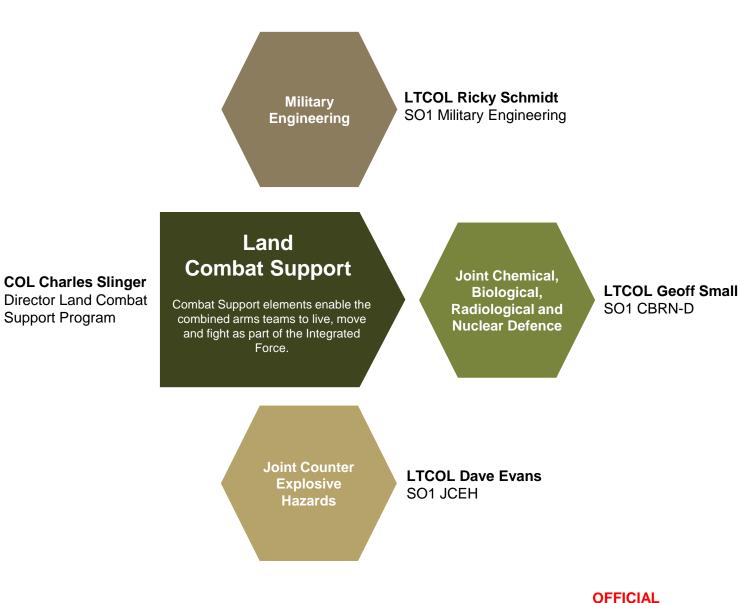




- Combat support refers to capabilities that enable the combined arms team to live, move and fight as part of the Integrated Force.
- The Combat Support Program comprises an array of projects spanning seven subprograms: Long Range Fires; Close Fires; Integrated Air & Missile Defence; Counter Small Uncrewed Aerial Systems; Engineer Systems; Joint Chemical, Biological, Radiological and Nuclear Defence; Joint Counter Explosive Hazards

Land Environment Working Group Army's engagement with Industry





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Long Range Fires		Land 8113 Phase 1 First LRF Regiment	Land 8113 Phase 2 Second LRF Regiment
Close Fires		Land 8110 Future Guided Artillery Ammunition Land 8111 Advanced Artillery Targeting & Fire Control Systems Land 8116 Protected Mobile Fires	
Integrated Air & Missile Defence	Land 19 Phase 7B Enhanced National Advanced Surface to Air Missile System – Final Operating Capability Q2 2026	Land 19 Phase 7B Enhanced National Advanced Surface to Air Missile System	
Counter Small Uncrewed Aerial Systems		Land 156 Counter Small Uncrewed Aerial Systems	Land 156 Counter Small Uncrewed Aerial Systems (technical refresh strategy)
	Horizon One – 2023-2025	Horizon Two – 2026-2030	Horizon Three – 2031-beyond

Land Environment Working Group

Army's engagement with Industry



Military Engineer Systems	Land 8120 Engineer Support Platforms Land 8180 Aviation & Field Fire Trucks	Land 8120 Engineer Support Platforms Land 8165 Combat Engineering Support & Bridging	Land 8120 Engineer Support Platforms Land 8165 Combat Engineering Support & Bridging Land 8180 Aviation & Field Fire Trucks
Joint CBRN Defence	DEF 2110 <i>CBRN Defence</i> - Technology Refresh 1 (FY 24/25 – FY 26/27)	DEF 2110 <i>CBRN Defence</i> - Technology Refresh 2 (FY 30/31)	DEF 2110 CBRN Defence
Joint Counter Explosive Hazards	DEF 8101 Counter Explosive Hazards Capabilities	DEF 8101 Counter Explosive Hazards Capabilities	DEF8101 Counter Explosive Hazards Capabilities
	Horizon One – 2023-2025	Horizon Two – 2026-2030	Horizon Three – 2031-beyond

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Army's engagement with Industry

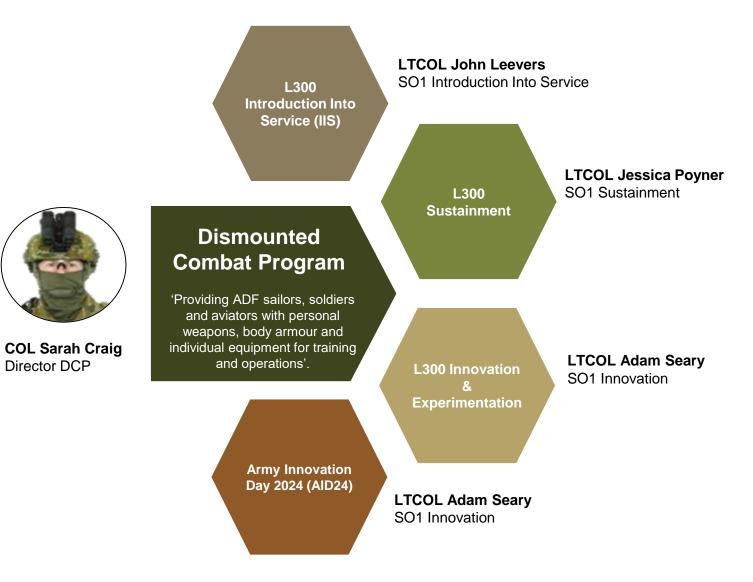


DISMOUNTED COMBAT PROGRAM

Director: COL Sarah Craig







The Dismounted Combat Program (DCP) delivers Land 300 – Individual Combat Equipment (L300-ICE)

L300-ICE sustains and iteratively enhances the Solider Combat System to provide ADF dismounted combatants a capability advantage over threats, capitalise on disruptive technology and enable the Integrated Joint Force.

L300-ICE retains Lethality, Survivability and Situational Awareness ADF deliverables.

Land Environment Working Group Army's engagement with Industry



CA08 – Small Arms - Lethality Introduction into Service continuation	CA08 – Small Arms - Increase BOP and sustainment of in-service items
CA10 – Support Weapons - Lethality Introduction into Service continuation.	CA10 – Support Weapons - Increase BOP and sustainment of in-service items
Lethality - Medium Machine Gun - CCFOW - Extended Range AArmd - RMA EF88 replacement - Medium Range AArmd	Lethality-MMG / HMG-CCFOW-Extended range AArmd-EF88 acquisition
Survivability - RMA legacy Body - Introduce CCH Armour - Introduce EBA	Survivability - Increase BOP and sustainment of in-service items
- Increase BOP for in- service-equipment (MVC - Introduce Sleep System realisation) A21	CA29 – Sit Awareness - Remediation of LOT - Sustainment of In- Service Systems - Issues - Innovation enabled RMA
CA50 – Combat Rations - Enduring nutritional and technical modifications	CA50 – Combat Rations - Enduring nutritional and technical modifications
Speed to capability IIU RMA efforts informing acquisition & sustainment Speed to capability IIU RMA efforts acquisition & sustainment Sustainment	Acceleration Innovation Initiatives (A2I) - Speed to capability IIU RMA efforts informing acquisition & sustainment
 Key Issues & Events Technology applicability against threat Supply Chain Assurance & equivalent sovereign industry challenges Tech complexity will increase with the integration of more sophisticated Lethality & Sit Awareness systems. Emphasis on RMA & sustainment management. 	 Key Issues & Events Technology applicability against threat Supply Chain Assurance & equivalent sovereign industry challenges Tech complexity will increase with the integration of more sophisticated Lethality & Sit Awareness systems. Emphasis on sustainment & fleet management.
Horizon two– 2026-2030	Horizon three– 2031 and beyond
	 Lethality Introduction into Service continuation CA10 - Support Weapons Lethality Introduction into Service continuation. Lethality Introduction into Service continuation. Lethality - Medium Machine Gun CCFOW - Extended Range AArmd RMA EF88 replacement - Medium Range AArmd Survivability RMA legacy Body - Introduce CCH Armour - Introduce EBA Increase BOP for in- Introduce Sleep System service-equipment (MVC - Innovation RMA under realisation) - A21 CA50 - Combat Rations Enduring nutritional and technical modifications A21, AID24 & Army Minors Projects Speed to capability IIU RMA efforts informing acquisition & sustainment Tactical Illum System & PEWMAS Key Issues & Events Technology applicability against threat Supply Chain Assurance & equivalent sovereign industry challenges Tech complexity will increase with the integration of more sophisticated Lethality & Sit Awareness systems. Emphasis on RMA & sustainment management.

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Army's engagement with Industry

L300-ICE



LAND MOBILITY AND SUPPORT PROGRAM OVERVIEW

Director: COL Harvey French

Land Environment Working Group Army's engagement with Industry





The Land Mobility and Support Program (LM&SP) is responsible for the modernisation of the Land Domain Support System through the acquisition and delivery of integrated and networked logistics capabilities. This includes Land Tactical and Non-Tactical Vehicle capabilities, Expeditionary Basing, Deployable Bulk Fuel and Deployable Health systems. The Land Tactical and Non-Tactical Vehicle capabilities provide protected and unprotected vehicles in support of Army's amphibious capable combined-arms land system. LM&SP acquires new capabilities and holds responsibility for the progressive adoption of emerging technologies across the fleets including system upgrades, communications integration and enhanced mobility protection technologies.

> Land Environment Working Group Army's engagement with Industry





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> Land Environment Working Group Army's engagement with Industry



PROTECTED MOBILITY	CA04 PROTECTED MOBILITY VEHICLES	 LAND 121-4 HAWKEI PROTECTED MOBILITY VEHICLE LAND 4111 PROTECTED MOBILITY VEHICLE TECHNOLOGY MODERNISATION 	 LAND 4111 PROTECTED MOBILITY VEHICLE TECHNOLOGY MODERNISATION (FUTURE TRANCHES) LAND 165 ACTIVE COUNTERMEASURES FOR PROTECTED VEHICLES (EPOCH 3)
LAND MOBILITY	 CA16 MEDIUM HEAVY VEHICLES CA17 G WAGON CA19 COMMERCIAL VEHICLES CA27 AERIAL DELIVERY 	LAND 121-5 MEADIUM HEAVY CAPABILITY	LAND 7420 AERIAL DELIVERY OF COMBAT SERVICE SUPPORT
DEPLOYABLE HEALTH		JP2060 PH3 DEPLOYABLE HEALTH	LAND 2061 BATTLE CASUATLY EVACUATION
EXPEDITIONARY BASING	 CA22 ELECTRICAL SYSTEMS CA47 GENERAL STORES CA83 BULK WATER 	JP8140 EXPEDITIONARY BASING	JP8140 EXPEDITIONARY BASING (FUTURE TRANCHES)
DEPLOYABLE FUEL	CA23 BULK LIQUID DISTRIBUTION	DEF8190 DEPLOYABLE BULK FUEL DISTRIBUTION	DEF8190 DEPLOYABLE BULK FUEL DISTRIBUTION (FUTURE TRANCHES)
	CURRENT CAPABILITY	CURRENT ACQUISITION	FUTURE CAPABILITY
			Land Environment Working Group

Army's engagement with Industry



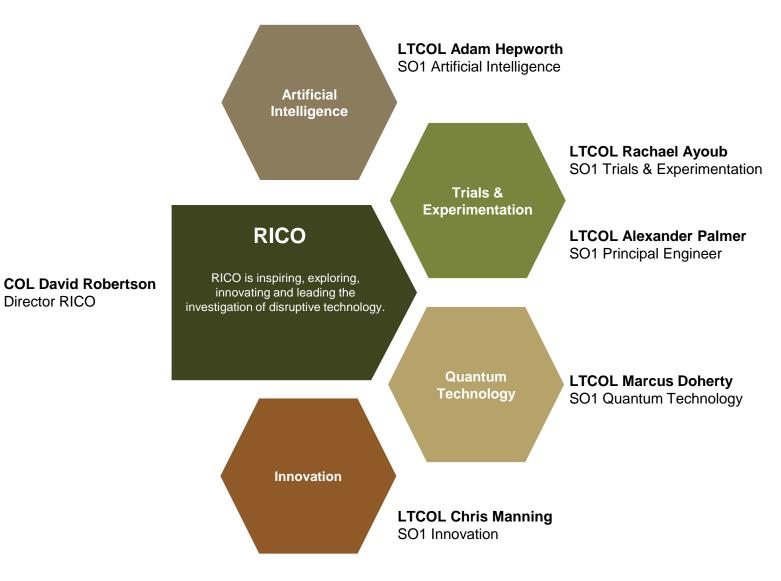
ROBOTICS & AUTONOMOUS SYSTEMS IMPLEMENTATION & COORDINATION OFFICE (RICO)

Director: COL David Robertson

Land Environment Working Group Army's engagement with Industry



Director RICO



- The RICO team forms part of Army's Future Land Warfare Branch, and is supporting Army to be Future Ready by:
 - Inspiring and promoting Army's 0 experimentation, research and development of disruptive technology and its potential applications
 - Creating hands-on opportunities for Ο Army to explore and harness the latest cutting-edge technology
 - Driving Army innovation through Ο education and advocacy
 - Being a trusted leader and advisor to Ο Army on emerging and disruptive technology.
- The RICO Program explores and exploits an array of fields such as AI, Power & Energy, Quantum.

Land Environment Working Group Army's engagement with Industry



•	LAND 135 – Advancement of RAS Technologies LAND 156 – Counter UAS Army Accelerated Capability Pipeline - Technology exploit Establishment of Army Experimentation unit Live Force experimentation exercises Industry & Academia engagement - ongoing	 LAND 135 – Advancement of RAS Technologies LAND 156 – Counter UAS Army Accelerated Capability Pipeline - Technology exploit Establishment of Army Experimentation unit Live Force experimentation exercises Industry & Academia engagement 	Future systems development and exploration
	Horizon one – 2024-2025	Horizon two – 2026-2030	Horizon three – 2031 and beyond

Land Environment Working Group Army's engagement with Industry