

# Integrating Critical Defence Systems

Our unique tactical data link capabilities have made us a trusted partner to the Commonwealth of Australia.

PAC's team of professionals deliver comprehensive lifecycle support and cybersecurity services for mission-critical Defence systems, ensuring secure, trusted, and ready solutions for the war fighter. PAC's vendor-agnostic approach and veteran expertise offer tailored, innovative solutions, enhanced by advanced cybersecurity and systems integration capabilities, outperforming current in-service items and competitors.

## Challenge: Delivering secure and integrated communication networks

PAC provides vendor-agnostic cross-domain network solutions with advanced cybersecurity measures to ensure secure and efficient communication across multiple platforms and security domains. Services include system security design & configuration management, accreditation, gap analysis, and remediation –ensuring robust protection and operational integrity for Defence systems and data.

## Challenge: Integrating critical Defence systems

Since 2016, PAC has served as the Prime System Integrator for critical Defence systems like ICSI, implementing major mid-life upgrades with advanced Link16 protocols, enhanced cybersecurity controls, and network & systems software to improve Tactical Data Link site monitoring and management. In addition, PAC supports the integration and operation of the Joint Mission Planning System and ADF EFB systems.

## DESCRIPTION OF SERVICES

With an employee base of over 80% veterans many of whom maintain active Reserve status, our technical and operational support team(s) possess a high level of operational contextualisation for the mission systems they support to deliver mission ready, efficient and effective solutions across the ADF.

Utilising our independent Australian and US divisions, enables PAC to deliver a Prime-like operating model with reach-back to US DoD and technology providers while maintaining the agility of a SME.

PAC is uniquely positioned to offer cybersecurity assessments and services across multiple international frameworks, offering thorough security evaluations to safeguard critical Defence systems and operations having delivered certification and accreditation guidance across platforms including MH-60R, F/A-18F, EA-18G, P-8A and KC-30A.

PAC also supports:



## KEY CUSTOMERS, PARTNERS AND SUPPLIERS

- **CASG-JC2SPO:** sustainment services for ICSI, including Link 11/16 and network monitoring.
- **Boeing Defence Australia:** mission planning and cyber security for F/A-18F and EA-18G, E-7 and MQ-28.
- **RAN NASPO:** mission planning and cybersecurity services for the MH-60R.
- **JCG and Leidos Australia:** network design services for MTN and Joint Force.

## Quantitative Measures

- **Support for encrypted data/communication technologies:** Link 11/16/22, JREAP A/B/C, SAT TDL J, VMF, ANW2, MADL and SADL.
- Conducted **Essential Eight** Gap Analysis and Maturity Model Assessments.
- Performed **CMMC Level One and Two** gap analysis
- Delivered **certification and accreditation guidance** for Defence platforms, including MH-60R, F/A-18F & EA-18G, P-8A and KC-30A.

# About Pacific Aerospace Consulting

Providing core capabilities to Defence and commercial clients.

## Mission Systems

Contributing to complex mission systems for the ADF, our team of operational and technical specialists provide Joint Mission Planning System support for the MH-60R, F/A-18F and EA-18G platforms and Electronic Flight Bag (EFB) support to all ADF aviation platforms. We also provide ICT security and accreditation to these systems.

## Training and Simulation

Our expert team supports simulation, training and interoperability for Defence—F/A-18F, EA-18G aircrew training systems and advanced threat emulation—and commercial clients with specialist services such as program management, device evaluation and fidelity management, test and evaluation and advance training environment concepts.

## Joint C4i

Our matured and unique tactical datalink capability has been an integral part of the Australian mobile telecommunications network. We support all phases of the capability lifecycle, from design to sustainment and withdrawal from service, providing bespoke and vendor agnostic cross-domain network solutions.

## CONTACT DETAILS

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## Cyber Security

Our cyber security team has a multifaceted background in Government, Defence and Commercial security domains. This experience, coupled with an operational focus, allows us to understand the delicate balance between system security and system functionality, establishing the most comprehensive and user-focused security solutions possible. Our services include assessment and audit (IRAP and CMMC), governance risk and compliance, security architecture and engineering, managed security services and education, awareness and training.

## Aerospace Systems

We provide critical support necessary to deliver and sustain operationally effective systems, with experience across all materiel life-cycle phases from concept to disposal. Using our unique combination of skills and experience—drawn from both operational and technical backgrounds—we develop and support solutions that meet the complex needs of Defence and commercial clients.