

Acquisition Engineering Assurance Lead

OneSKY Australia Program

Position Detail			
Reports To	Design Assurance and Integration Manager	Group	OneSKY Australia Program
Budget Accountability	Per instrument of delegations	Location	Melbourne or Canberra
Delegations	Per instrument of delegations	Reports	Seven

Organisational Environment

Airservices is a government-owned organisation providing safe, secure, efficient and environmentally responsible services to the aviation industry. Each year we manage over four million aircraft movements carrying more than 140 million passengers, and provide air navigation services across eleven per cent of the world's airspace.

Airservices has two major operating centres in Melbourne and Brisbane and a corporate office in Canberra. We operate 29 air traffic control towers at international and regional airports, and provide aviation rescue fire-fighting services at 26 Australian airports.

The OneSKY Australia Program is responsible for the planning, development and implementation of Airservices next generation services including the future Civil-Military Air Traffic Management System (CMATS) through the Program – a joint activity with the Department of Defence. The OneSKY Program is enabling the fundamental organisational and industry transformation required to maximise the benefits and value of the future system as expected by Airservices and Defence customers and stakeholders.

Primary Purpose of Position

The Acquisition Engineering Assurance Lead reports the Design Assurance and Integration Manager, and works as part of the Joint Program Team (JPT) combining Airservices and Department of Defence personnel to deliver best-for-Program outcomes.

The Acquisition Engineering Assurance Lead collaborates with the Product Assurance Lead and the Security and Integration Lead to ensure the technical integrity of the OneSKY capability as described in the OneSKY Capability Baseline as it pertains to all joint aspects (between Airservices and Defence) of the CMATS system. The position works collaboratively with the Acceptance and Integration Lead, which will have a similar function for Defence-only aspects. The position is also responsible for the integration of the CMATS capability and Airservices dependent projects with the Airservices National Airways System (NAS) environment and Airservices enterprise architecture.

You will lead a team of eight personnel conducting compliance, assurance, and oversight activities of the JPT project engineers, dependent projects, and the prime contractor. This includes requirements management, verification and validation, engineering safety, operational safety, compliance demonstration, acquisition engineering oversight, acquisition engineering system improvements, and design review assurance.

This position also has responsibility for ensuring the engineering organisation operates in compliance with applicable regulatory and legislative requirements, including the Airservices Technology Management Framework. This assurance is achieved by establishing and maintaining the Joint Systems Engineering Management Plan (JSEMP) in consultation with the delegated Project Technical Lead and leveraging off Defence acquisition engineering concepts.

By implementing the JSEMP and associated plans and procedures, you will provide assurance to the JPT Design Acceptance Representative and program stakeholders that the engineering plans, processes and procedures support the Design Assurance and Integration Manager / Design Acceptance Representative achieve the Program's safety, security and fitness-for-purpose outcomes. You will provide leadership of internal compliance assurance in a pragmatic and contemporary way, and provide coordination and execution with the project's external compliance assurance stakeholders.

You will form an integral part of the OneSKY Australia Program making a major contribution to Airservices continual delivery of safety, environmental, WHS, risk and compliance excellence. You will be a key contributor to establishing and maintaining important external relationships with stakeholders such as the Design Authority, the broader Airservices organisation, the civil regulator, and a range of Defence acquisition, sustainment, operational and regulatory stakeholders.

Accountabilities and Responsibilities

Acquisition Engineering Assurance Lead

- The delivery of safe, secure, fit-for-purpose systems by the OneSKY Program
- Assists the OneSKY Design Assurance and Integration Manager in ensuring the quality and integrity of the OneSKY engineering outputs.
- Responsible for contributing to the Design Acceptance recommendations for the Joint aspects of the OneSKY Capability.
- Collaborate in the conduct of the inspection of compliance demonstration activities in accordance with the approved plans for these activities.
- Support the Airservices solution architect for CMATS and, in conjunction with the Information Management and Data Services and Air Navigation Services Groups in Airservices, ensure compliance with Airservices enterprise architecture and governance standards.
- Ensure the delivery of optimal solutions (capability, cost and schedule) against the OneSKY Capability Baseline.
- Approve plans, designs, procedures and work instructions within the bounds of the OneSKY design guidelines and endorsement.
- Provide technical direction within the OneSKY design guidelines and OneSKY Engineering Organisation constructs.
- Provide advice to Airservices business groups and OneSKY stakeholders in relation to OneSKY capability, and technical risk and opportunities across the Airservices enterprise.
- Ensure integration of CMATS with the Air Traffic Management System-of-Systems will deliver the capabilities required to meet the operational and business needs.
- Participate in Work Groups and lead Technical reviews pertaining to your area of responsibility and scope of your Airservices Technical Endorsement.
- Lead an effective, adaptable and efficient Engineering Organisation for the OneSKY Program aligned with Airservices Technology Management Framework and Defence Engineering Management System and other applicable standards
- Establish, maintain and implement the Joint System Engineering Management Plan (JSEMP) in consultation with the delegated Project Technical Lead, which applies Acquisition Engineering / Technical Management Framework principles under which engineering activities will be conducted within the OneSKY Program during the Acquisition phase
- Manage the engineering activities and implement the engineering processes that assure the technical acceptability of the OneSKY capability
- Conduct internal compliance assurance to ensure the acquisition engineering processes are pragmatic and fit for purpose
- Conduct or participate in oversight activities of the prime contractor, in accordance with the applicable contractual instruments
- Conduct or participate in oversight activities of Airservices dependent projects, in accordance with the applicable governance arrangements

- Support external compliance assurance stakeholders achieve their necessary compliance assurance goals on acquisition engineering in a way that is supportive to the Program's objectives
- Ensure project engineering decisions are made by competent and authorised/endorsed people
- Coordinate the application of systems engineering and specialist engineering and technical capabilities across the OneSKY Technology Program in support of the design assurance function
- Ensure effective technical coordination with Airservices and Defence stakeholders in order to commission the CMATS capability
- Ensure effective and timely engagement with Airservices and Defence stakeholders on identified technical risks and issues

People

- Maintain high-quality and productive relationship with Airservices leadership (and Defence counterparts) to ensure effective co-ordination of all activities in support of organisational objectives
- Provide training and development opportunities to create a high-performing team, supported by opportunities for capability improvement
- Provide strategic guidance, plan and build organisational capacity and resourcing of the branch
- Provides specialist engineering assurance capability to the OneSKY Technology Program and Dependent Projects Delivery

Commercial

- Satisfy the applicable legal and commercial obligations for the Design Assurance and Integration Branch in consultation with the Commercial and Legal Manager.

Systems and Reporting Compliance, Reporting

- Drive implementation of enterprise governance systems and policies, including safety, environmental, WHS, risk, and compliance.

Safety

- Provide leadership and management of the engineering and operational safety programs as they apply to the OneSKY Technology Program.
- Demonstrate safety leadership and behaviours consistent with enterprise strategies, and manage the branch in accordance with WHS accountability requirements.

Key Performance Indicators

Efficient, Effective and Accountable

- Builds and maintains effective working relationships
- Provides the team with clear direction, motivates and empowers others
- Takes responsibility for actions, outcomes and people
- Achievement of OneSKY Program objectives

Commercial

- Demonstrated value for money outcomes for business, commercial, legal, and financial decisions

People

- Engagement feedback demonstrating positive trends
- Training and development leading to tangible capability improvements for team members

Safety

- Demonstrate compliance with regulatory standards, safety, risk, environmental and any other standards

Key Relationships

As Acquisition Engineering Assurance Lead

- OneSKY Acquisition Engineering Assurance team
- CMATS Product Assurance Lead and Security and Integration Lead
- OneSKY Design Assurance and Integration Manager
- CMATS OneSKY Technology Program Manager and project engineering team
- Defence stakeholders for acquisition, sustainment and regulation
- Airservices Senior Leadership Team – primarily Air Navigation Services (ANS), and Information Management and Data Services (IMDS)
- Prime Contractor
- Members of the engineering/technical support networks

As part of the OneSKY Australia Program

- OneSKY teammates
- OneSKY stakeholders

Skills and Competencies

- Be able to hold a Principal Airservices Technology Endorsement in accordance with the TMF.
- Relevant tertiary degree in engineering.
- Eligible for recognition as a Chartered Professional Engineer by Engineers Australia, or equivalent national professional body.
- Successful track-record in the development, integration and deployment of highly-complex mission critical systems, and system of systems (SOS) with supporting qualifications.
- Knowledge and understanding of foundational, current and emerging solutions and architecture trends, standards and best practices.
- Significant experience in Air Traffic Management systems.
- Highly-developed interpersonal competence, including representation and communication skills, and ability to assertively articulate and reinforce program and performance standards while maintaining strong and effective stakeholder relationships at all levels.
- Demonstrated values-based leadership, and ability to build organisational capability and culture.
- Demonstrated ability to analyse complex problems, develop and present innovative solutions and influence outcomes.
- Successful track record in systems engineering, with supporting qualifications, including deployment of technology to generate improved levels of service and efficiency
- Demonstrated experience with capital acquisition engineering and transition to service
- Demonstrated sound judgement, with a focus on results in a service delivery environment
- Demonstrated ability to establish and maintain strategic relationships to facilitate partnerships and cooperation

Security Clearance

- Eligible for Negative Vetting Level 1 [SECRET]

Performance Standards and Behaviours

As a member of Airservices, you will consistently demonstrate performance standards and behaviours that meet Airservices Code of Conduct, as well as lead, coach and develop others in relation to the same. This includes:

- Treating everyone with dignity, respect and courtesy
- Acting with honesty and integrity
- Acting ethically and with care and diligence
- Complying with all Airservices policies and procedures, and applicable Australian laws
- Disclosing and taking reasonable steps to avoid any actual, potential or perceived conflict of interest
- Behaving in a way that upholds our vision, mission and values, and promotes the good reputation of Airservices.