



WSIA Project Systems Safety Specialist

Position Detail			
Reports To	WSIA Safety Senior Advisor	Group	Chief Service Delivery Officer
Classification			
Budget Accountability	Nil	Location	Sydney (other locations considered)
Delegations	Nil	Reports	Nil

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 90 million passengers and provide air navigation services across 11% 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.

Safety expertise is a profession of the future. Airservices Australia is an organisation with a long history of best practice in terms of safety. By working as part of the Airservices safety team you will learn from the best and work on exciting programs that are pushing the boundaries of aerospace, human/ machine interaction and the digitisation of the workplace.

Primary Purpose of Position

Your role as WSIA Project Systems Safety Specialist will be to develop safety arguments, conduct safety activities (with a focus on applying suitable hazard identification and risk analysis methods) and contribute to the execution of the Western Sydney International Airport (**WSIA**) Change Program safety program. Your activities will be formally documented in safety plans, risk registers and safety cases. You will also provide support to program leaders with relevant key deliverables required by the Civil Aviation Safety Authority as the regulator for aviation safety.

Accountabilities and Responsibilities

Position-specific:

- Provide safety expertise and advice to WSIA project leaders to ensure that the changes to systems and process are compliant with Airservices Safety Management System (**SMS**) and ensure that operational safety risk associated with the changes are deemed acceptably safe.
- Develop and maintain key safety artefacts including Safety Plan, Safety Arguments, Risk Registers and Safety Reporting documentation in accordance with Airservices SMS and the approved Safety Plan.
- Coordinate and facilitate the conduct of safety activities as defined in the safety program, including hazard identification, hazard analysis and risk assessment.
- Communicate and consult with stakeholders, accountable managers in working to obtain risk acceptance, approvals and/or no objections.
- Facilitate Working Groups, Technical Reviews and Workshops pertaining to Safety and Human Factors.

- Support the identification and assessment of human factors risks to projects, with input from relevant subject matter experts.

People:

- Be part of a high-performance team with an emphasis on accountable performance.
- Contribute to a collaborative and inclusive culture with a cohesive team.
- Develop and maintain a highly effective working relationship within the team and other internal and external stakeholders to ensure open and transparent communication and resolution of safety and human factors related issues.
- Assist in the planning and building of organisational capacity of the Program through education and guidance on the application of the Airservices Safety Management System on Program.

Key Performance Indicators

Efficient, Effective and Accountable

- Quality of safety artefact outputs is measured through proficiency in scoping, structuring and development of safety artefacts and subsequent approval for use.
- Builds and maintains effective relationships at strategic and working levels.
- Delivers high quality written work.
- Takes responsibility for actions, outcomes and deliverables.
- Achievement of Program objectives.

People and Safety

- Effective and collaborative engagement with Airservices staff, Contractor(s) and Regulator(s).
- Complies with regulatory standards, safety, risk, environmental and any other standards.

Key Relationships

- WSIA Safety Senior Advisor.
- Program and Project Managers (Aviation Rescue and Firefighting, Airfield Systems, Digital Aerodrome and Airspace Change work packages).
- WSIA Strategic Advisor.
- Safety colleagues.
- Contracted Safety Specialists.
- Assessments Team - Systems Safety, Environment, WHS and Human Factors Specialists.

Skills and Competencies

- Applied knowledge of Safety Management Systems.
- Applied Knowledge of Quality Management Systems.
- Applied Knowledge of Configuration and Document control practices.
- Desirable - Systems Engineering, Safety Management Systems or Operational Safety Qualifications at AQF certificate IV or Diploma level or willing to obtain.
- Demonstrated experience applying industry best practice system safety analysis and operational risk management techniques/methodologies (e.g. ISO 31000, ISO 45001, ARP 4761, MIL-STD 882E, IEC-61508, Eurocontrol (SAM), ISO 15288 etc).
- Familiarity with Eurocontrol Safety Assessment Methodology.
- Understanding and application of RAMS (Reliability, Availability, Maintainability, Safety) techniques such as RBD, Life Data Analysis, Systems Modelling, MTTF, MTBF, MTTR, FMECA, RCM, etc.

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- Awareness of system safety engineering processes including execution core system safety analysis techniques (including PHA, FHA, PSSA, SSA, ETA, FTA, HAZOP, FMECA, RAM, Bowtie etc).
- Experience and understanding of systems engineering processes, their influence on the timing of system safety engineering activities, and inputs/outputs that exist between the different disciplines that contribute to the systems engineering design process is essential.
- Understanding of human factors application in evaluating change is highly desirable.
- Effective and concise written and verbal communication skills.
- Demonstrated ability to engage stakeholders, foster relationships, facilitate partnerships and cooperation at all levels.
- Displays a great attitude and ability to learn.

Performance Standards and Behaviours

As a member of Airservices, you will consistently demonstrate performance standards and behaviours that meet Airservices Code of Conduct or similar. This includes:

- Treating everyone with dignity, respect and courtesy.
- Acting with honesty and integrity.
- Acting ethically and with care and diligence.
- Complying with all organisational 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 of the organisation.