Australian Government

AVIF0006 Manage aviation risk

Release: 2

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Modification History

Release 2. ISC upgrade - a statement relevant to Defence Aviation has been added to the Application of the unit.

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to manage aviation risk, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes establishing the risk management context, planning for risk management, managing risk and evaluating the risk management plan.

Work involves managing the effects of uncertainty on objectives using a SMS within a variety of operational contexts within the Australian aviation industry.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) related to safety management duties that complement the technical skills of aviation personnel and contributes to safe and effective performance in complex aviation operational environments.

Work is performed independently or under limited supervision as a single operator or within a team environment.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

F – Safety Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Establish risk management context

1.1 Nature and extent of aviation operational activity, its objectives and outcomes are established within the organisational context

1.2 Strategic and risk management context are identified in accordance with organisational requirements

1.3 Stakeholders are identified and consulted to ensure their views, concerns and needs are taken into account in the risk management process

1.4 Criteria for assessing aviation risk are determined in accordance with workplace standards

1.5 Risk management criteria is determined to provide guidance on balancing risk, costs, benefits and opportunities

1.6 Risk management criteria are monitored, reviewed and adjusted to ensure opportunities, and current and emerging trends are reflected

2 Plan for risk management

2.1 Sources of risks are identified and consulted to ensure full coverage

2.2 Risks are assessed and documented in consultation with stakeholders, and risk level thresholds are established

2.3 Risk controls are considered/modified and selected for acceptability

2.4 Risk management plan and evaluation methodology is developed and communicated to stakeholders

3 Monitor and evaluate aviation risk

3.1 Aviation risk management plan is implemented and monitored in accordance with workplace standards

3.2 Internal and external risks to outcomes are monitored and remedial actions are identified as required and initiated

3.3 Risk management plans are reviewed routinely, on occurrence

        of events of significant importance to the organisation and when required by regulatory practice

3.4 Stakeholder feedback is obtained and considered in evaluation activity

3.5 Recommendations for enhancing risk management plan are formulated and implemented

3.6 Outcomes of evaluation are effectively communicated to stakeholders

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Organisational context must include:	• key organisational operational elements and services • official resources vital to the operation of the organisation including physical areas and assets • organisation, how it is organised and its capabilities

Strategic and risk management context must include one or more of the following:	• organisational functions:
	   • political
	   • operational
	   • financial
	   • social
	   • legal
	   • commercial
	   • various stakeholders and clients
	• relationship between the organisation and the environment in which it operates

Stakeholders include must one or more of the following:	• air traffic control • clients • contractors

	• employees
	• financial agencies
	• government agencies
	• managers
	• non-government organisations
	• public
	• regulatory agencies
	• safety management organisations
	• suppliers
	• service providers
	• unions
Workplace standards must include:	• AS/NZ ISO 31000:2009 or as amended/updated
Determining criteria for evaluating risk must:	• comply with established legal requirements
	• consider cost-benefit analysis outcomes
	• establish risk rankings to determine levels of acceptability
Aviation risk assessment must include:	• likelihood criteria
	• rare
	• unlikely
	• possible
	• likely
	• almost certain
	• consequence criteria
	• negligible
	• minor
	• major
	• moderate
	• severe
Aviation risk control must include:	• hierarchy of control
	• administrative controls
	• elimination
	• engineered controls
	• personal protective equipment
	• substitution
Evaluation methodology must include one or more of the following:	• interviews with stakeholders
	• observations
	• occurrence reports
	• physical inspections
	• questionnaires
	• regular reviews of risk treatment procedures

Risk management plan must include:	• analysis of risks – likelihood, consequences and risk levels
	• control options selected
	• person/s responsible for implementing control options
	• performance measures
	• periodic review timetable
	• prioritised list of unacceptable risks
	• resources required
	• sources of risk and risk events
	• timeframe for implementation

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816