

Title	Demonstrate knowledge of risk management in an aviation environment		
Level	5	Credits	15

Purpose	People credited with this unit standard are, in an aviation environment, able to: demonstrate knowledge of risk management terminology and concepts, and the evolution of the risk management process; describe and develop a plan for risk management; relate risk management to governance; and apply risk management concepts and processes to quality and safety management.
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Classification	Aviation > Aviation - Core
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Available grade	Achieved
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Guidance Information

- 1 Resources may include but are not limited to:
International Civil Aviation Organization. 2018. Doc 9859, *Safety Management Manual*. 4th ed. ICAO, available at <https://store.icao.int/en/safety-management-manual-doc-9859>;
Standards Australia/Standards New Zealand. 2009. AS/NZS ISO 31000:2009 *Risk Management – principles and guidelines*. Sydney and Wellington: Standards Australia and Standards New Zealand, and subsequent amendments.
- 2 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 3 Industry standards are those set in place by the CAA.
- 4 Industry texts may include but are not limited to – ICAO Safety Management Manual, CAA Rules, CAA Advisory Circulars, operator exposition, AS/NZS ISO 31000:2018.
- 5 Definitions
Knowledge refers to the knowledge, understanding, and application of the subject matter.
Risk management process refers to the process outlined in AS/NZS ISO 31000:2018 Risk Management – principles and guidelines.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of risk management terminology and concepts in an aviation environment.

Performance criteria

- 1.1 Risk management terminology is defined in accordance with industry standards and texts.
- 1.2 The purpose of risk management is explained in accordance with industry standards and texts.
- 1.3 The application of risk management is described in accordance with industry standards and texts.
- 1.4 The risk management framework is explained in accordance with industry standards and texts.
- 1.5 The principles of risk management are described in accordance with industry standards and texts.
- 1.6 The advantages of risk management are explained, and examples provided of the benefits to organisations who have undertaken risk management, in accordance with industry standards and texts.

Outcome 2

Demonstrate knowledge of the evolution of the risk management process in an aviation environment.

Performance criteria

- 2.1 The evolution of risk management is described in accordance with industry standards and texts.
- 2.2 The changes to the risk management process since the first Australian and New Zealand Standard for risk management was issued in 1995 are explained in accordance with industry standards and texts.
- 2.3 The present risk management process is defined in accordance with industry standards and texts.

Outcome 3

Describe and develop a plan for risk management in an aviation environment.

Performance criteria

- 3.1 The purpose and requirements of risk management planning are described in accordance with industry standards and texts.
- 3.2 The contents of a risk management plan are determined in accordance with industry standards and texts.
- 3.3 A risk management plan is developed in accordance with industry standards and texts.

Range includes – approach, management components, resources; management components include but are not limited to – procedures, practices, assignment of responsibilities, sequences and timing of activities.

Outcome 4

Relate risk management to governance in an aviation environment.

Performance criteria

- 4.1 Governance is defined, and a governance framework is described in accordance with industry standards and texts.
- 4.2 The role and function of governance and governance bodies or structures are explained in accordance with industry standards and texts.
- 4.3 The role of risk management within the governance framework is explained in accordance with industry standards and texts.
- 4.4 Best practice governance principles and function are described in accordance with industry standards and texts.
- 4.5 The integration of risk management into the governance framework and governance activities is described in accordance with industry standards and texts.

Outcome 5

Apply risk management concepts and processes to quality and safety management in an aviation environment.

Performance criteria

- 5.1 Quality management and safety management is described in accordance with industry standards and texts.
- 5.2 The risk management concept is related to quality management systems and safety management systems in accordance with industry standards and texts.

- 5.3 Methods of risk management into both quality and safety management are described in accordance with industry standards and texts.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 April 2011	31 December 2024
Rollover	2	26 April 2018	31 December 2024
Review	3	29 September 2022	N/A

Consent and Moderation Requirements (CMR) reference	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.