

Title	Demonstrate knowledge of the management of wildlife hazards at an airport		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to demonstrate knowledge of: wildlife attractants affecting an airport; management of the wildlife environment of an airport; gathering and reporting information on the presence of wildlife at an airport; methods for dispersal of bird hazards at an airport; the use of firearms and explosives used in the management of wildlife hazards at an airport; and demonstrate knowledge of, and evaluate techniques for, measurement and control of the concentration of wildlife food sources at an airport.
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Classification	Aviation > Airport Operations
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Available grade	Achieved
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Guidance Information

- Definitions
The term *airport* refers to aerodrome as per Civil Aviation Rules.
Wildlife attractants refers to food, shelter, safety, rest.
- Reference to *enterprise procedures* means that all activities must comply with the requirements contained in the current airport exposition, current airport company manuals and procedures, and any relevant legislative and/or regulatory requirements, which may include but are not limited to: Civil Aviation Act 1990, relevant Civil Aviation Rules, New Zealand Defence Force (NZDF) Policy, Arms Act 1983, and the Arms Regulations 1992.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of wildlife attractants affecting an airport.

Performance criteria

- 1.1 Dietary preferences of wildlife commonly found at airports are identified.

Range may include but is not limited to – garbage, earthworms, insects, seed, rodents, carrion, marine life, rabbits, vegetation.

- 1.2 Effects of environmental influences on wildlife movements are identified in terms of their effects on the airport environment.
- 1.3 Features of airport environments attractive to wildlife for shelter and safety are identified.
- 1.4 The causes of wildlife occupation at airports are identified, and the potential impact of causes or occupation on the airport environment is described.

Outcome 2

Demonstrate knowledge of, and evaluate techniques for, the measurement and control of the concentration of wildlife food sources at an airport.

Performance criteria

- 2.1 Refuse dumps and effluent disposal sites are evaluated in accordance with enterprise procedures.
- 2.2 Insect density measurement and control techniques are explained in accordance with enterprise procedures.
- Range may include but is not limited to – crickets, worms, grasshoppers, caterpillars, bugs, beetles, moths; evidence of five is required.

Outcome 3

Demonstrate knowledge of the management of the wildlife environment of an airport.

Range wildlife may include but is not limited to – birds, mammals.

Performance criteria

- 3.1 Operations required for minimising wildlife shelter, safety, nesting, and rest sites are described in accordance with enterprise procedures.
- 3.2 Grass and vegetation control measures are explained in terms of the effect on the airport wildlife environment.
- 3.3 Drainage systems and standing water control measures are explained in terms of the effect on the airport wildlife environment.

Outcome 4

Demonstrate knowledge of gathering and reporting information on the presence of wildlife at an airport.

Performance criteria

- 4.1 Methods used to monitor the level of wildlife presence are described in terms of the effect on the airport environment.

- 4.2 Techniques for continuous liaison with the Air Traffic Services, if applicable, are identified in accordance with enterprise procedures.
- 4.3 Wildlife hazard reporting requirements are described in accordance with enterprise procedures.

Outcome 5

Demonstrate knowledge of methods for dispersal of bird hazards at an airport.

Range may include but is not limited to – gas cannons and bottles, bird alarms, predator balloons, Mylar flags, firearms with blank ammunition; evidence of five is required.

Performance criteria

- 5.1 Dispersal methods relevant to most common hazard from wildlife are described in accordance with enterprise procedures.
- 5.2 The operation of dispersal methods is described in accordance with enterprise procedures.
- 5.3 The use of firearms and explosives for the dispersal of wildlife hazards at an airport are described in accordance with enterprise procedures.

Outcome 6

Demonstrate knowledge of the use of firearms and explosives used in the management of wildlife hazards at an airport.

Performance criteria

- 6.1 Storage, handling, and cleaning requirements for firearms are described in accordance with legislation and enterprise procedures.
- 6.2 The use of live ammunition in the management of wildlife hazards at an airport is described in accordance with enterprise procedures.
- 6.3 Storage and handling techniques for live ammunition are described in accordance with legislation and enterprise procedures.
- 6.4 Storage and handling techniques for explosives are described in accordance with legislation and enterprise procedures.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 August 1997	31 December 2016
Revision	2	8 May 2001	31 December 2016
Review	3	24 May 2002	31 December 2016
Review	4	21 November 2008	31 December 2016
Review	5	24 October 2014	31 December 2023
Review	6	29 July 2021	N/A

Consent and Moderation Requirements (CMR) reference

0028

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.