

Demonstrate knowledge of handling theory for a quarantine detector dog

Level 5

Credits 12

Purpose People credited with this unit standard are able to: demonstrate knowledge of the training theory used in the process of training a quarantine detector dog; demonstrate knowledge of scent detection training for a quarantine detector dog; demonstrate training techniques used in the initial training of a quarantine detector dog; and describe and demonstrate the process and procedures of validation testing to assess the proficiency of detector dog teams.

Subfield Biosecurity

Domain Border Quarantine

Status Registered

Status date 18 December 2006

Date version published 18 December 2006

Planned review date 31 December 2011

Entry information Recommended: Unit 23403, *Demonstrate knowledge of the use of psychology in the training of a quarantine detector dog.*

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Forest Industries Training and Education Council (FITEC)

Accreditation and Moderation Action Plan (AMAP) reference 0173

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

Special notes

- 1 The *training manual* refers to the *MAF Quarantine Detector Dog Programme Training Manual*, produced by the Ministry of Agriculture and Forestry Quarantine Service (MAFQS). The manual is a restricted document available only to staff of MAFQS warranted or authorised under the Biosecurity Act 1993.

- 2 *Risk goods* are defined in the Biosecurity Act 1993 as ‘any organism, organic material, or other thing, or substance, that, (by reason of its nature, origin, or other relevant factors) it is reasonable to suspect constitutes, harbours, or contains an organism that may cause unwanted harm to natural and physical resources or human health in New Zealand; or interfere with the diagnosis, management, or treatment, in New Zealand of pests or unwanted organisms.’
- 3 Legislation applying to this unit standard includes the Biosecurity Act 1993, Diplomatic Privileges and Immunities Act 1968, Trade in Endangered Species Act 1989, Conservation Act 1987, Animal Welfare Act 1999, Dog Control Act 1996, and their subsequent amendments.

Elements and performance criteria

Element 1

Demonstrate knowledge of the training theory used in the process of training a quarantine detector dog.

Performance criteria

- 1.1 Terms used in the handling of quarantine detector dogs in scent detection are explained in accordance with the training manual.

Range acclimatisation, air scenting, assisted response, body packing, change of behaviour, contraband, critical elements, cross contamination, discrimination, extinction, false response, field review, generalisation, handler error, indication, learning cycle, non-risk items, optimum training cycle, pin-pointing, primary rewards, proficiency training, protocol training, risk goods, secondary rewards, training aids, unassisted response, validation testing.

- 1.2 The principles of scent detection used in the process of the training of a quarantine detector dog, are described and explained in accordance with the training manual.

Range target odour, non-target odour, negative odour, neutral odour, set time, scent picture.

Element 2

Demonstrate knowledge of scent detection training for a quarantine detector dog.

Performance criteria

- 2.1 Target odours for passive response and active response quarantine detector dogs are identified in accordance with the training manual.

- 2.2 Non-target odours for quarantine detector dogs are identified in accordance with the training manual.

- 2.3 Neutral odours for quarantine detector dogs are identified in accordance with the training manual.
- 2.4 Target odours are introduced in accordance with the training manual.
- Range broad category groups, common worksite groups.
- 2.5 Non-target odours are introduced in accordance with the training manual.
- 2.6 The preparation of training aids for a quarantine detector dog is described and demonstrated in accordance with the training manual.
- Range type of container, set time, scent picture, common denominators, placement, randomisation, degree of difficulty.

Element 3

Demonstrate training techniques used in the initial training of a quarantine detector dog.

Performance criteria

- 3.1 The use of rewards in the training of active and passive response quarantine detector dogs is described and demonstrated.
- Range active response, passive response, primary rewards, secondary rewards.
- 3.2 Protocols to establish benchmarks for the learning of a quarantine detector dog are described.
- Range new dog, experienced dog, new task, new odour.
- 3.3 Records are maintained for all training of a quarantine detector dog.
- Range positive response, assisted positive response, non-response, handler prevented response, incomplete search, handler error.
- 3.4 The training for handlers when working with new dogs, after basic scent association, is described in accordance with the training manual.
- 3.5 Basic training principles for passive response quarantine detector dogs are described and demonstrated in accordance with the training manual.
- 3.6 Basic training principles for active response quarantine detector dogs are described and demonstrated in accordance with the training manual.
- 3.7 The use of other training aids to assist with the training of a quarantine detector dog is described in accordance with the training manual.
- Range other handlers, trainers, video critiques, self-appraisal, training plans.

Element 4

Describe and demonstrate the process and procedures of validation testing to assess the proficiency of detector dog teams.

Performance criteria

- 4.1 The purpose, frequency and location of the validation test are described in accordance with the training manual.
- 4.2 The preparation of test aids is described in terms of the parameters of the test.
- Range target odours, set time, containers, contamination, non-target odours.
- 4.3 The placement of test aids is described in accordance with the training manual.
- 4.4 The conditions and parameters of the validation test are described in accordance with the training manual.
- Range blueprint, test boundaries and conditions, time limit, number of exercises, odour indication and response, handler's role.
- 4.5 The role of the evaluators in the administration of the validation test is described.
- Range guidelines, mandatory elements, critical elements, instructors/evaluators comments and recommendations.
- 4.6 Validation test results are used to identify any areas for improvement in the detector dog team's performance, and any requirements for proficiency training in accordance with the training manual.

Please note

Providers must be accredited by the Qualifications Authority, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Forest Industries Training and Education Council feedback@fitec.org.nz if you wish to suggest changes to the content of this unit standard.