
**FIRE AND RESCUE SERVICES -
STRUCTURAL AND INDUSTRIAL**
Check hydrants and water supplies

level:	2
credit:	3
final date for comment:	March 2008
expiry date:	December 2009
sub-field:	Fire and Rescue Services
purpose:	<p>This unit standard is for fire and rescue personnel in urban situations. They will operate as a member of a crew.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of requirements relating to the checking of hydrants and water supplies; locate hydrants and carry out inspections; and carry out flow tests and complete reports.</p>
entry information:	Open.
accreditation option:	Evaluation of documentation by NZQA and industry.
moderation option:	A national moderation system of moderation networks has been established by the Fire and Rescue Services Industry Training Organisation.
special notes:	<ol style="list-style-type: none">1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.2 Assessment against this unit standard must be by practical on-site demonstration of the equipment involved.

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- 3 The references for this unit standard are:
Fire Service Act 1975 and subsequent amendments;
National Commander's Instructions;
NZ Fire Service Code of Practice for Fire Fighting
Water Supplies. These references are available from
the NZFS, PO Box 2133, Wellington.

Elements and Performance Criteria

element 1

Demonstrate knowledge of requirements relating to the checking of hydrants and water supplies.

performance criteria

- 1.1 Requirements of the Fire Service Act 1975 are explained in terms of the inspection of hydrants and water supplies.
- 1.2 Fire service provider requirements are explained in terms of the inspection of hydrants and water supplies.
- Range: New Zealand Fire Service Code of Practice for Fire Fighting Water Supplies, New Zealand Fire Service SOPs.
- 1.3 Testing techniques and equipment for carrying out flow tests are described in accordance with the reference standards.
- Range: flow testing, comprehensive flow testing.

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element 2

Locate hydrants and carry out inspections.

performance criteria

- 2.1 Interpretation of road markings and maps allows hydrants to be located in accordance with the reference standards.
Range: identifying hydrants on water maps, street location.
- 2.2 Hydrants are identified by type in accordance with the reference standards.
- 2.3 Assessment of the physical condition of hydrant and surrounds identifies faults that require further action in accordance with the SOPs.

element 3

Carry out flow tests and complete reports.

performance criteria

- 3.1 Flow and pressure tests are carried out in accordance with the requirements of the SOPs.
- 3.2 Total reticulated water supplies are calculated and expressed in accordance with the requirements of the reference standards.
Range: quantified terms, use of conversion tables.
- 3.3 Hydrant faults, and the results of flow tests, are reported in accordance with the requirements of the SOPs.
Range: mains capacity, mains flow, appropriate notifications.

Comments on this unit standard

Please contact the Fire and Rescue Services Industry Training Organisation
info@frsito.org.nz if you wish to suggest changes to the content of this unit standard.

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Please Note

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register 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 providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0039 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.