

FIELD COMMUNITY AND SOCIAL SERVICES**Review of *Community and Workplace Fire and Emergency Management and Fire and Rescue Services* unit standards**

Subfield	Domain	Id
Community and Workplace Fire and Emergency Management	Workplace Emergency Risk Management	14558, 16945
	Workplace Fire and Emergency Response	3271, 4647
Fire and Rescue Services	Fire and Rescue Services - Generic Fire Fighting	3267, 3270, 3272, 3274, 3275, 3278-3281, 3321-3323, 10613, 10614, 10616, 10618, 14553-14555, 14557, 20385, 20386, 20387, 20392
	Fire and Rescue Services - Structural and Industrial	3284, 3305, 3307, 3309-3312, 3315-3317, 4651, 4652, 10617, 14562, 14898, 16933-16938, 16943, 16944, 16946-16953, 20393, 20394, 20395
	Fire and Rescue Services - Vegetation	3285-3287, 3289-3292, 3294, 3296, 3299, 3300, 3304, 4648, 4649, 10615, 14556, 14564, 14565, 20396-20399, 21417

The Fire and Rescue Services Industry Training Organisation has completed the review of the unit standards listed above.

Date new versions published

November 2009

Planned review date

December 2014

Summary of review and consultation process

This review was undertaken as part of the ITO's planned review programme.

The review of these unit standards was based on comments received from the industry as a result of an extensive consultation and feedback process that took place over a six-month period. Six review teams, comprising industry representatives and the Fire and Rescue Services Industry Training Organisation's Training Advisory Group, considered the comments. The focus of the review was on quality improvement and confirmation that the classification, level, and credit values were consistent with the content and purpose of each unit standard. The review teams took into consideration changes to legislation, procedures, and technology applicable to the unit standards before recommending and endorsing the changes.

Main changes resulting from the review

- Elements, performance criteria, range statements, entry information and special notes have been updated to reflect the present needs of the fire and rescue services industry.
- Levels have increased for unit standards 3278, 4651, and 10613 to better reflect the complexity of the knowledge and skills required.

- The level of unit standard 3284 has been decreased to better reflect the complexity of the knowledge and skills required.
- Credits have increased for unit standards 3279, 3281, 3286, 3287, 3289, 3290, 4651, 4652, 14562, and 20396 to better reflect the learning and assessment time required to meet the requirements of the standard.
- The credit value of unit standard 3315 has been increased from 2 to 7 credits. While the content of the standard remains largely unchanged, the amount of learning time involved, particularly around hazard identification, had not been fully recognised. The previous credit value of the unit standard considerably underestimated the time a trainee needed in order to have sufficient knowledge and skills to meet the requirements of the standard.
- Unit standard 14558 has been identified as no longer fit for purpose, and has been designated expiring and will not be replaced.
- Unit standard 16946 has been designated expiring and has been replaced by unit standard 25978.
- The titles of unit standards 3281, 3284, 3289, 3294, 4651, 10615, 14553, 14554, 14556, 14565, 16935, 16947, 16948, 16950, 16951, 16953, 20397, and 20398 have been amended to better reflect the outcome of the standard.
- Unit standard 20392 has been reclassified from the *Fire and Rescue Services - Structural and Industrial* domain to the *Fire and Rescue Services - Generic Fire Fighting* domain.

Unit standards categorised as category C or D expire at the end of December 2012.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Id	Level
Domain	Fire and Rescue Services – Structural and Industrial	3	Standard	20392	3
			Standard	4651	4
	Fire and Rescue Services – Generic Fire Fighting	4	Standard	10613	5
Standard	3278	1	Standard	3278	2
	4651	3	Standard	4651	4
	10613	4	Standard	10613	5
	16946	3	Standard	25978	3

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0039 has been updated to reflect the changes made to the standards.

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Fire and Rescue Services Industry Training Organisation qualifications are affected by the outcome of this review and will be reviewed in 2010. Standards in bold have generated the *affected* status.

Qualification title	Standard in the qualification
National Certificate in Fire and Rescue Services (Industrial Emergency Response) (Level 2) [Ref: 1370]	3278
National Certificate in Fire and Rescue Services (Industrial Emergency Response) (Level 4) [Ref: 1372]	3281, 3315
National Certificate in Fire and Rescue Services - Airport (Level 2) [Ref: 1158]	3278
National Certificate in Fire and Rescue Services - Airport (Level 3) [Ref: 1454]	16946
National Certificate in Fire and Rescue Services - Airport (Level 4) [Ref: 1455]	3281, 3315, 16947
National Certificate in Fire and Rescue Services (Urban Fire and Rescue Operations) (Level 2) [Ref: 0537]	3278
National Certificate in Fire and Rescue Services (Vegetation) (Level 2) [Ref: 0539]	3286, 3287
National Certificate in Fire and Rescue Services (Vegetation) (Level 3) [Ref: 0540]	3286, 3287
National Certificate in Fire and Rescue Services (Vegetation) (Level 4) [Ref: 1183]	3290, 14556, 14565, 20398
National Certificate in Fire and Rescue Services (Vegetation) (Level 5) [Ref: 1184]	20396
National Diploma in Fire and Rescue Services (Vegetation Fire Fighting - Management) (Level 5) [Ref: 0780]	3290, 14554, 20396, 20397
National Certificate in Workplace Emergency Risk Management (Building Fire and Emergency Co-ordinator) (Level 4) [Ref: 0735]	4651, 14558
National Diploma in Workplace Emergency Risk Management (Building Fire and Emergency Manager) (Level 5) [Ref: 0736]	3281, 4652
National Certificate in Workplace Fire and Emergency Response (Level 3) [Ref: 0911]	14558

The following Fire and Rescue Services Industry Training Organisation qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification
National Certificate in Fire and Rescue Services (Urban Fire and Rescue Operations) (Level 3) [Ref: 0538]	20392
National Certificate in Fire and Rescue Services (Vegetation) (Level 6) [Ref: 1185]	20397

The following qualifications are also affected by the outcome of this review. The standard setting bodies (SSBs) have been advised that they require revision.

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Fixed Fire Protection Systems (Level 5) [Ref: 0865]	4651	Competenz
National Diploma in Fire Detection and Alarm Systems (Level 5) [Ref: 0866]	4651	Competenz
National Diploma in Fire Protection Systems Technology (Certification of Fire Safety Systems) (Level 5) [Ref: 0867]	4651	Competenz
National Diploma in Forestry (Forest Management) (Level 6) [Ref: 0232]	3286, 3287	Forest Industries Training and Educational Council
National Certificate in Forestry (Generic Skills - Workplace Safety and Operations) (Level 2) [Ref: 1409]	3286, 3287	Forest Industries Training and Educational Council
National Certificate in Civil Construction Works (Forestry Earthworks) [Ref: 1083]	3286, 3287	InfraTrain New Zealand
National Certificate in Conservation (Trainee Ranger) (Level 3) [Ref: 0642]	3286, 3287	Learning State (trading name of the Public Sector Training Organisation)
National Certificate in Conservation (Ranger) [Ref: 0797]	3286	Learning State (trading name of the Public Sector Training Organisation)
National Certificate in Supervision of Youth Development Programmes (Conservation Corps and Youth Service Corps) [Ref: 0907]	3286	Learning State (trading name of the Public Sector Training Organisation)
National Certificate in Parks and Recreation (Park Ranger) (Level 3) [Ref: 1475]	3286, 3287	Skills Active Aotearoa Limited

Review Categories and changes to classification, title, level, and credits

All changes are in **bold**.

Key to review category

- A** Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
- B** Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
- C** Major changes that necessitate the registration of a replacement standard with a new Id
- D** Standard will expire and not be replaced

Subfield Fire and Rescue Services

Id	Domain	Title	Level	Credit	Review Category
20392	Fire and Rescue Services - Structural and Industrial Fire and Rescue Services - Generic Fire Fighting	Protect and preserve a fire scene	3	4	B

Subfield Community and Workplace Fire and Emergency Management

Domain Workplace Emergency Risk Management

Id	Title	Level	Credit	Review Category
14558	Organise and conduct a monitored building evacuation	4	2	D
16945	Analyse the fundamentals of human behaviour in fire conditions	4	7	A

Domain Workplace Fire and Emergency Response

Id	Title	Level	Credit	Review Category
3271	Suppress fire with hand extinguishers and fixed hose reels	2	1	B
4647	Explain principles of fire science	2	1	B

Subfield Fire and Rescue Services

Domain Fire and Rescue Services - Generic Fire Fighting

Id	Title	Level	Credit	Review Category
3267	Drive fire and rescue vehicles in emergency situations	4	8	B
3274	Carry out station duties	3	2	B
3275	Carry out tests on fire and rescue equipment	3	6	B
3278	Demonstrate knowledge of command and control structure of an emergency service provider	1 2	2	B
3279	Manage station level duties	5	4 6	B
3280	Manage fire officer duties	6	12	B
3281	Assess risk with respect to fire Assess and address risk with respect to fire	5	3 8	B
3321	Lead a petrochemical emergency response team	5	8	A
3322	Coordinate petrochemical emergency operations	6	8	B
3323	Select methods of fighting petrochemical tank fires	6	8	B
10613	Manage a volunteer fire and rescue group	4 5	6	B
10618	Rescue casualties using rescue techniques	4	5	B
14553	Explain role of the fire and rescue service provider in community emergency incident preparedness Explain the role of the fire and rescue service provider in community emergency incident preparedness	3	4	B

Id	Title	Level	Credit	Review Category
14554	Direct defensive control of structure and vehicle fires Direct external defensive fire control operations	5	3	B
14555	Carry out defensive control of structure and vehicle fires	3	3	B
14557	Demonstrate knowledge of personnel emergencies on the incident ground	3	2	B
20385	Demonstrate hydraulic knowledge for fire fighting	3	4	B
20386	Operate portable pumps for fire fighting	3	3	B
24614	Fill fire service breathing apparatus cylinders	4	3	New

Domain Fire and Rescue Services - Structural and Industrial

Id	Title	Level	Credit	Review Category
3284	Carry out fire safety officer duties Carry out community fire risk manager duties	6 5	8	B
3305	Operate aerial appliances in emergency situations	4	6	B
3307	Demonstrate knowledge of elements of construction and loads in fixed and mobile property fires	4	8	B
3309	Carry out and report on inspections for fire and rescue risk planning	2	2	B
3310	Check hydrants and water supplies	2	3	B
3311	Exercise initial command and control at hazardous substance emergencies	5	6	B
3312	Carry out decontamination procedures	3	3	B
3315	Carry out Incident Ground Safety Officer duties	5	2 7	B
3316	Service breathing apparatus equipment	4	7	B
3317	Exercise initial command and control at structure fires	5	10	B
4651	Apply knowledge of structural fire behaviour Demonstrate knowledge of structural fire behaviour	3 4	3 4	B
4652	Explain principles of structural fire	5	5 6	B
10617	Exercise command at multiple crew emergency incidents	6	6	B
14562	Perform specialist rescues in confined spaces	4	5 6	B
14898	Exercise initial command and control at fuel fires	5	6	B
16933	Describe the legislative process and the legislation empowering response to fire and emergencies	3	4	B
16934	Apply legislation in fire and rescue services	4	5	B
16935	Incorporate and evaluate legislation in standard operating procedures in fire and rescue services Review and apply operational instructions for fire and rescue services in terms of legislative requirements	5	10	B

Id	Title	Level	Credit	Review Category
16936	Demonstrate knowledge of community risk management elements in fire and rescue services	3	4	B
16937	Apply community risk management elements in fire and rescue services	4	4	B
16938	Incorporate community risk management elements into fire and rescue services planning	6	10	B
16943	Identify principles of fire development in structures and compartments and smoke impact on people	3	5	B
16944	Apply knowledge of advanced fire development in structures and compartments	5	10	B
16946 25978	Demonstrate knowledge of the establishment and maintenance of a rescue tools staging area Demonstrate knowledge of rescue equipment and establish a rescue tool staging area	3 3	4 4	C
16947	Practice casualty care in fire and rescue services during rescue and extrication activities Practise casualty care in fire and rescue services during rescue and extrication services	4	5	B
16948	Identify, control, and lessen hazards in fire and rescue service operations at accident sites Identify and control hazards in fire and rescue service operations at accident sites	5	6	B
16949	Apply rescue techniques for the extrication of entrapped people from vehicle wreckage	4	10	B
16950	Control incident management activities at accident scenes in fire and rescue services Control incident management activities at vehicle accident scenes in fire and rescue services	5	10	B
16951	Apply ventilation techniques to assist fire and rescue operations Manage ventilation operations to assist fire and rescue operations	5	6	B
16952	Apply salvage and overhaul techniques in fire and rescue services	3	4	B
16953	Investigate and report on fire cause Substantiate, determine, and report on the cause of structural fires	6	15	B
20393	Enter and suppress fire in a fire-affected building	3	6	B
20394	Apply basic ventilation techniques to assist fire and rescue operations	3	4	B
24612	Conduct an initial investigation into the cause of a structural fire	5	6	New

Domain Fire and Rescue Services - Vegetation

Id	Title	Level	Credit	Review Category
3285	Demonstrate knowledge of protection of personal safety at vegetation fires	3	3	B
3286	Control vegetation fires using dry fire fighting techniques	3	2 3	B
3287	Suppress vegetation fires with water and with water with additives	3	2 3	B
3289	Carry out ignition at prescribed vegetation burning operations Carry out hand-operated ignition at prescribed vegetation burning operations	3	1 3	B
3290	Exercise initial response, command, and control for vegetation fire operations	5	4 6	B
3291	Lead a vegetation fire crew	4	4	B
3292	Lead heavy machinery operations for use at vegetation fires	4	3	B
3294	Lead prescribed vegetation burning operations Lead a prescribed vegetation burning operation crew	4	3	B
3296	Manage prescribed vegetation burning operations	5	6	B
3299	Provide vegetation fire support services	4	3	B
3300	Command vegetation fire incidents	6	8	A
3304	Assess threat from vegetation fire	5	5	B
4648	Demonstrate knowledge of vegetation fire behaviour	5	8	B
4649	Apply knowledge of vegetation fire behaviour for fire management	6	10	A
10615	Investigate causes of vegetation fires Investigate origin and cause of vegetation fires	5	6	B
14556	Apply Fire Weather Index System data for fire preparedness measures Apply Fire Weather Index System data for fire reduction and readiness measures	4	4	B
14564	Demonstrate knowledge of the fire environment on vegetation fire behaviour	4	3	B
14565	Use maps and aerial photographs to locate and navigate to vegetation fires Use maps to locate and plan a navigation route to a vegetation fire	3	3	B
20396	Manage ground operations at vegetation fires	5	6 8	B
20397	Demonstrate knowledge of legislated responsibilities of a Rural Fire Authority Demonstrate knowledge of the legislated responsibilities of a Principal Rural Fire Officer	5	8	B
20398	Issue Fire Permits Issue fire permits	4	3	B

Id	Title	Level	Credit	Review Category
20399	Demonstrate knowledge of legislated responsibilities of Rural Fire Officers and a Rural Fire Authority	3	2	B
21417	Operate light portable pumps in a vegetation fire environment	2	2	B