

**STRUCTURED TRAINING PROGRAMME NC URBAN FIRE AND RESCUE OPERATIONS
LEVEL 4 VERSION 3**

* denotes a prerequisite

Elective List A

DOMAIN - WORKPLACE FIRE AND EMERGENCY RESPONSE

16803	Coordinate workplace emergency response team activities in an emergency	5	6
16806	Establish a workplace emergency response team	5	6
16807	Lead an emergency response team to protect people in situations of critical risk	5	6
16808	Manage the workplace emergency response to an emergency	5	7

DOMAIN - WORKPLACE EMERGENCY RISK MANAGEMENT

14558	Organise and conduct monitored building evacuation	4	2
16804	Conduct non-technical workplace audits on emergency equipment and systems	4	4
16805	Manage workplace emergency prevention processes	4	4
16809	Coordinate workplace emergency protection activities	4	4
22445	Describe the roles and functions of a CIMS Incident Management Team (IMT) at an incident	4	4
16945	Analyse the fundamentals of human behaviour in fire conditions	4	7
16810	Develop a Workplace Emergency Management Plan	6	10

DOMAIN - GENERIC FIRE FIGHTING

10613	Manage a volunteer fire and rescue group	4	5
10618*	Rescue casualties using rescue techniques	4	5
20387*	Operate self-propelled pumps for fire fighting	4	5
3267	Drive fire and rescue vehicles in emergency situations	4	8
3281	Assess risk with respect to fire	5	3
14554*	Direct defensive control of structure and vehicle fires	5	3
3279	Manage station level duties	5	4
3321	Lead a petrochemical emergency response team	5	8
3322*	Coordinate petrochemical emergency operations	6	8
3323*	Select methods of firefighting petrochemical tank fires	6	8
3280*	Manage fire officer duties	6	12

DOMAIN - STRUCTURAL AND INDUSTRIAL

16940	Implement an advocacy plan for a fire and rescue service organisation	4	3
14559*	Assess draft building evacuation schemes for approval	4	4
16937	Apply community risk elements to fire and rescue services	4	4
14562*	Perform specialist rescues in confined spaces	4	5
16934*	Apply legislation in fire and rescue services	4	5
16947*	Practice casualty care in fire and rescue services and extrication activities	4	5
3305*	Operate aerial appliances in emergency situations	4	6
20395*	Wear and operate breathing apparatus in specialist emergencies	4	6
3316	Service breathing apparatus equipment	4	7
3307*	Demonstrate knowledge of elements of construction and loads in fixed and mobile property fires	4	8

16949*	Apply rescue techniques for the extrication of entrapped people from vehicle wreckage	4	10
3315*	Carry out incident ground safety officer duties	5	2
4652	Explain principles of structural fire	5	5
3311*	Exercise initial command and control at hazardous substances emergencies	5	6
14898*	Exercise initial command and control at fuel fires	5	6
16948	Identify, control and lessen hazards in fire and rescue service operations at accident sites	5	6
16951*	Apply ventilation techniques to assist fire and rescue operations	5	6
3317*	Exercise initial command and control at structure fires	5	10
16935*	Incorporate and evaluate legislation in standard operating procedures in fire and rescue services	5	10
16942	Apply knowledge of building legislation issues in fire and rescue services	5	10
16944*	Apply knowledge of advanced fire development in structures and compartments	5	10
16950*	Control incident management activities at accident scenes in fire and rescue services	5	10
16938	Incorporate community risk management elements into fire and rescue services planning	6	10
16941	Prepare an advocacy plan for use by a fire and rescue service organisation	6	4
10617*	Exercise command at multiple-crew emergency incidents	6	6
3284*	Carry out fire safety officer duties	6	8
16953	Investigate and report on fire causes	6	15

Elective List B

Please note that for domains stated in elective list A, only those unit standards at level 3 are listed at elective list B.

DOMAIN - WORKPLACE FIRE AND EMERGENCY RESPONSE

16799	Carry out the duties of a workplace emergency warden	3	4
16800	Take action to control small emergency situations in a workplace	3	4
16801	Participate in a workplace emergency response team	3	4
16802	Act to protect people in situations of workplace danger	3	4

DOMAIN - GENERIC FIRE FIGHTING

3272	Wear and operate breathing apparatus in general emergencies	3	3
3274*	Carry out station duties	3	2
3275	Carry out tests on fire and rescue equipment	3	6
14553	Explain the role of the fire and rescue service provider in community emergency incident preparedness	3	4
14555*	Carry out defensive control of structure and vehicle fires	3	3
14557	Demonstrate knowledge of personnel emergencies on the incident ground	3	2
20385	Demonstrate hydraulic knowledge for firefighters	3	4
20386*	Operate portable pumps for firefighting	3	3
20388	Work safely with aircraft at emergency incidents	3	2
14560	Identify and utilise installed fire systems	4	4

DOMAIN - STRUCTURAL AND INDUSTRIAL

3312*	Carry out decontamination procedures	3	3
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4651	Apply knowledge of structural fire behaviour	3	3
16933	Describe the legal system and legislation empowering response to fire and emergencies	3	4
16936	Demonstrate knowledge of community risk management elements in fire and rescue services	3	4
16939	Demonstrate knowledge of advocacy for a fire and rescue service organisation	3	4
16946*	Establish and maintain a rescue tools staging area	3	4
16952	Apply salvage and overhaul techniques in fire and rescue services	3	4
20392	Protect and preserve a fire scene	3	4
16943*	Identify principles of fire development in structures and compartments	3	5
20393*	Enter and suppress fire in a fire-affected building	3	6
20394	Apply basic ventilation techniques to assist fire and rescue operations	3	4

DOMAIN - AIRPORT

3324	Drive rescue fire vehicles in airport environments	3	4
3328*	Rescue people in aircraft marine incidents	3	3
3334	Carry out watchroom duties for airport fire and rescue services	3	4
3330*	Carry out aerodrome safety functions	4	4
20389*	Respond to and fight external aircraft fire	4	4
20390*	Carry out internal aircraft firefighting and rescue	4	4
20391	Demonstrate knowledge of aircraft and the hazards for fire and rescue operations	4	4
3331	Demonstrate knowledge of aircraft for fire and rescue operations	4	8
3327*	Lead entry team in an aircraft incident	5	4
3329*	Direct rescue operations in aircraft marine incidents	5	9
3326*	Command aircraft fire and rescue operations	6	10
3335*	Manage an airport rescue fire service	6	10

DOMAIN - VEGETATION

3289*	Carry out ignition at prescribed vegetation burning operations	3	1
3286	Control vegetation fire using dry fire fighting techniques	3	2
3287	Suppress vegetation fire with water and water with additives	3	2
3288*	Load water and additives for aerial operations	3	2
3285	Demonstrate knowledge of protection of personal safety at vegetation fires	3	3
14565	Use maps and aerial photographs to locate and navigate to vegetation fires	3	3
20399	Demonstrate knowledge of legislated responsibilities of Rural Fire Officers and a Rural Fire Authority	3	2
3292	Lead heavy machinery operations for use at vegetation fires	4	3
3294	Lead prescribed vegetation burning operations	4	3
3299	Provide vegetation fire support services	4	3
14564	Demonstrate knowledge of the fire environment on vegetation fire behaviour	4	3
20398	Issue fire permits	4	3
3291	Command a vegetation fire crew	4	4
3293*	Manage ground support for air operations at vegetation fires	4	4
14556	Apply fire weather index system data for fire preparedness measures	4	4
3290	Exercise initial response, command and control for vegetation fire operations	5	4
3304	Assess threat from vegetation fire	5	5

14563	Supervise the operation of aircraft at vegetation fires	5	5
3296*	Manage prescribed vegetation burning	5	6
10615*	Investigate causes of vegetation fires	5	6
20396*	Manage ground operations at vegetation fires	5	6
4648	Demonstrate knowledge of vegetation fire behaviour	5	8
	Demonstrate knowledge of legislated responsibilities of a Rural Fire Authority		
20397	Authority	5	8
3297*	Manage air operations at vegetation fires	6	8
3300*	Command vegetation fire incidents	6	8
4649*	Apply knowledge of vegetation fire behaviour for fire management	6	10
4650*	Support vegetation fire operations as a planning specialist	6	10

DOMAIN - ROPE RESCUE

20537*	Provide initial response at rope rescue incidents	4	6
20538*	Perform descender based rope rescue	4	6
20539*	Perform specialist rope rescues	4	15

DOMAIN - URBAN SEARCH AND RESCUE OPERATIONS

	Demonstrate knowledge of, and provide support at, urban search and rescue operations		
18516		3	3
	Undertake structural collapse rescue as part of an urban search and rescue (USAR) operation		
20540*		5	12

DOMAIN - DELIVERY OF ADULT EDUCATION AND LEARNING

7107	Facilitate group learning activities for adults	4	4
7115	Create and maintain a learning environment for adult learners	4	4
7108	Conduct on-job training for adults	4	8
19444	Deliver group training sessions to adults	4	8
	Deliver interactive group training sessions for adult education and training		
7097		5	8

DOMAIN - ASSESSMENT OF LEARNING

4098	Use standards to assess candidate performance	4	5
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DOMAIN - PRE-HOSPITAL EMERGENCY CARE

14470*	Provide enhanced basic life support	4	2
14471*	Provide extended first aid	4	6
14473*	Move and position patients in preparation for transportation	4	1

DOMAIN - INTERPERSONAL COMMUNICATIONS

1312	Give oral instruction in the workplace	3	3
9679	Participate in a formal meeting	4	4
11099	Develop strategies for communicating in a culturally diverse workplace	4	4

DOMAIN - WRITING

3491	Write a report	3	4
	Write business correspondence to convey complex ideas and information		
11095		3	3