

**FRSITO STRUCTURED TRAINING PROGRAMME
NC URBAN FIRE AND RESCUE OPERATIONS
LEVEL 2 VERSION 3**

Trainee Name:

This programme has a total of 45 credits - 29 compulsory credits and 16 elective credits.

The following unit standards are *Compulsory*

Unit ID	Description	Level	Credit	Holds
3271	Suppress fire with hand extinguishers and fixed hose reels	2	1	
4647	Explain principles of fire science	2	1	
3272	Wear and operate breathing apparatus in general emergencies	3	3	
3278	Demonstrate knowledge of command and control structure of an emergency provider	1	2	
10614	Use ladders in fire and rescue situations	2	3	
10616	Use knots and lines in fire and rescue situations	2	3	
3283	Demonstrate knowledge of personal safety at fire and emergency incidents	2	4	
20393	Enter and suppress fire in a fire-affected building	3	6	
3285	Demonstrate knowledge of protection and personal safety at vegetation fires	3	3	
4573	Communicate in the outdoors using two-way radio	2	1	
6402	Provide resuscitation level 2	1	1	
497	Protect health and safety in the workplace	1	1	
TOTAL			29	

ELECTIVES

A minimum of 16 credits at level 2 or above is required from the elective lists A and B. Ensure that you have identified any prerequisite(s) unit standard(s), and if necessary include these unit standards in the elective lists if they are not already held.

Elective A

[Select a minimum of 9 credits from the attached list. \(Click on this link to provide details\)](#)

Unit	Description	Level	Credit	Holds
TOTAL			0	

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LEVEL 2 VERSION 3**

* denotes prerequisite

Elective List A

DOMAIN - STRUCTURAL AND INDUSTRIAL

Unit ID	Description	Level	Credit
3309	Carry out and report on inspections for fire and rescue risk planning	2	2
3310	Check hydrants and water supplies	2	3
3312*	Carry out decontamination procedures	3	3
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*	Demonstrate knowledge of the establishment and maintenance of 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
20394	Apply basic ventilation techniques to assist fire and rescue operations	3	4
16943*	Identify principles of fire development in structures and compartments	3	5
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 during rescue 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 substance 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 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
19641	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
16938	Incorporate community risk management elements into fire and rescue services planning	6	10
16953	Investigate and report on a fire cause	6	15

DOMAIN - GENERIC FIRE FIGHTING

3270	Establish and deliver water supplies for fire fighting	2	3
3274*	Carry out station duties	3	2
20388	Work Safely with aircraft at emergency incidents	3	2
14557	Demonstrate knowledge of personnel emergencies on the incident ground	3	2
14555*	Carry out defensive control of structure and vehicle fires	3	3
20386*	Operate portable pumps for firefighting	3	3
14553	Explain the role of the fire and rescue service provider in community emergency incident preparedness	3	4
20385	Demonstrate hydraulic knowledge for firefighters	3	4
3275	Carry out tests of fire and rescue equipment	3	6
14560	Identify and utilise installed fire systems	4	4
10618*	Rescue casualties using rescue techniques	4	5
20387*	Operate self-propelled pumps for fire fighting	4	5
10613	Manage a volunteer fire and rescue group	4	6
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 - VEGETATION

21417	Operate light portable pumps in a vegetation fire environment	2	2
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
20399	Demonstrate knowledge of legislated responsibilities of Rural Fire Officers and a Rural Fire Authority	3	2
14565	Use maps and aerial photographs to locate and navigate to vegetation fires	3	3
3294	Lead prescribed vegetation burning operations	4	3
3292	Lead heavy machinery operations for use at vegetation fires	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	Lead a vegetation fire crew	4	4
3293*	Lead 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 operations	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
20397	Demonstrate knowledge of legislated responsibilities of a Rural Fire 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*	Carry out planning activities at rural fire operations	6	10

DOMAIN - WORKPLACE FIRE AND EMERGENCY RESPONSE

16797	Identify, prepare for, and take action in a workplace emergency	2	3
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 danger	3	4
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

16798	Take preventative measures against emergencies in the workplace	2	3
17279	Describe the coordinated incident management system in emergency response activities	2	2
14558	Organise and conduct a 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

Elective List B

* Indicates a prerequisite requirement

Unit	Description	Level	Credit
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DOMAIN - AIRPORT

3328*	Rescue people in aircraft marine incidents	3	3
3324	Drive rescue fire vehicles in airport environments	3	4

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 - SPECIALIST RESCUE

20536	Demonstrate awareness of rope rescue operations and hazards	2	2
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

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

OTHER RECOMMENDED UNIT STANDARDS

43	Maintain a chainsaw	3	5
6400*	Manage first aid	3	2
6401	Provide first aid	2	1
6917*	Operate a chainsaw	3	5
17976	Demonstrate knowledge of and skills for driving a light four wheel drive (4WD) vehicle in an off-road environment	3	4
17978*	Operate a light four wheel drive (4WD) vehicle in an off-road environment	3	4
17977*	Develop a plan for off-road light four wheel (4WD) driving	4	5
17593	Apply safe practices in the workplace	2	4
17599	Plan a confined space entry	4	5
17600	Explain safe work practices for working at heights	3	3
17602	Apply hazard identification and control procedures in the workplace	3	4
18426	Demonstrate knowledge of hazards associated with confined space	3	4
20645	Describe the requirements of the HSNO Act 1996 relevant to approved handlers	3	3
3491	Write a report	3	4
3492	Write a short report	2	3
9679	Participate in a formal meeting	4	4
7318	Rescue casualties using Civil Defence rescue techniques	3	6
3602	Identify, handle and store chemicals in an emergency and chemical environment	3	5
1277	Communicate information in a specified workplace	2	3
1299	Be assertive in a range of specified situations	2	4
1304	Communicate with people from other cultures	2	2
9677	Participate in group/teams which has an objective(s)	2	3

10791	Participate in informal meetings	2	3
2780	Demonstrate and apply knowledge of a personal computer system	2	9
528	Demonstrate survival techniques for a Civil Defence emergency	2	3