



Assessor Assessment Guide Unit Standard 16948

Identify, control, and lessen hazards in fire and rescue service operations at accident sites (Level 5, Credit 6, Version 2)

In order to achieve competency in this unit standard a candidate must display an understanding of the knowledge components by completing an oral or written assessment and practically identify and control accident scene hazards; prepare for rescue and extrication activities; and identify manufacturer-fitted supplementary restraint systems (SRS) and use safety equipment to protect rescuers and casualties from non-deployed supplementary restraint systems.

This assessment may take place at a real or at a simulated practical event.

The assessor may elect to question candidates during completion of the practical assessment to ensure theoretical knowledge can be applied during practice. This technique also provides the assessor with reinforcement that knowledge has been retained.

Where a candidate is being assessed on the basis of a RCC process evidence must be produced that indicates a candidate has successfully directed operations at a defensively controlled fire at both structure and vehicle fires in a safe manner without causing avoidable environmental or equipment damage.

Assessors may use this guide to record evidence of a candidates overall performance but should be aware that this may not, on its own be an adequate record for moderation purposes without appropriate notes or appendices. Notes should include a summary of the process used and a statement about the quality of the candidate's performance.

ASSESSORS SHOULD ALWAYS REVIEW THE REQUIREMENTS CONTAINED IN THE UNIT STANDARD DOCUMENT PRIOR TO CONDUCTING ASSESSMENTS

For this unit the following resources are available from FRSITO to assist Learners, Instructors and Assessors:

- Assessor Assessment Guide
- Learner Assessment Guide

Definition: *Vehicle* describes any manufacturer assembled craft, machine, automobile, engine, or plant, unless otherwise described, that is mobile and can be involved in an incident or accident that results in the entrapment of people.

Assessors: General Notes:

Assessors Name	_____	Assessor No.	_____
Candidate Name	_____	NZQA No.	_____
Date of Assessment	_____	Final Result	_____

Level Descriptor

Level	Process	Employing	Responsibility
5	<p>Carrying out processes that:</p> <ul style="list-style-type: none"> Require a wide range of specialised technical or scholastic skills Involve a wide choice of standard and non-standard procedures Are employed in a variety of routine and non-routine contexts 	<p>Employing:</p> <ul style="list-style-type: none"> A broad knowledge base with substantial depth in some areas Analytical interpretation of a wide range of data The determination of appropriate methods and procedures in response to a range of concrete problems with some theoretical elements 	<p>Applied:</p> <ul style="list-style-type: none"> In self-directed and sometimes directed activity with broad general guidelines or functions With full responsibility for the nature, quantity and quality of outcomes With possible responsibility for the achievement of group outcome

	Information or actions that may provide support for competency	
General	<p>Has the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Satisfactorily completed a pre course self test? <input type="checkbox"/> Satisfactorily completed an oral or written on course or post knowledge assessment? <input type="checkbox"/> Satisfactorily completed simulation exercises? <input type="checkbox"/> Attend a course covering the Unit Standard subject matter? <input type="checkbox"/> Provided proof of experience through records? <input type="checkbox"/> Practically demonstrated in a practical scenario? <input type="checkbox"/> Other (please list)? <p>_____</p> <p>_____</p> <p>Assessor Notes:</p>	

Element and PC	Evidence Typical answer/product/performance expected from the learner/candidate(s)	Judgement Statement (A statement that defines the standard to be achieved)	Result C/NYC
<p>1</p>	<p>Identify and control accident scene hazards.</p>	<p>Select the most suitable positioning for service vehicles consistent with providing barrier protection to the scene and attending personnel in accordance with SOPs.</p>	
<p>1.1</p>	<p>Candidate must select the most suitable positioning for service vehicles consistent with providing barrier protection to the scene and attending personnel in accordance with SOPs.</p> <p>Range: may include but is not limited to -</p> <ul style="list-style-type: none"> <input type="checkbox"/> motorway (multi-lane one way, multi-lane two way) <input type="checkbox"/> arterial urban roads and causeways <input type="checkbox"/> suburban roads <input type="checkbox"/> Arterial provincial <input type="checkbox"/> state highways <input type="checkbox"/> provincial and rural roads <input type="checkbox"/> tracks <input type="checkbox"/> off road <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>		
<p>1.2</p>	<p>Candidate must identify potential environmental conditions in terms of how they may adversely impact on accident scenes and influence emergency response vehicle positioning in accordance with SOPs.</p> <p>Range: may include but is not limited to -</p> <ul style="list-style-type: none"> <input type="checkbox"/> approach conditions <input type="checkbox"/> involvement of hazardous substances <input type="checkbox"/> traffic <input type="checkbox"/> location of the accident <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Identify potential environmental conditions in terms of how they may adversely impact on accident scenes and influence emergency response vehicle positioning in accordance with SOPs.</p>	

Element and PC	Evidence Typical answer/product/performance expected from the learner/candidate(s)	Judgement Statement (A statement that defines the standard to be achieved)	Result C/NYC
1.3	<p>Candidate must survey vehicle(s) and the accident scene to identify fuel and payload markings, and residual risks in accordance with SOPs.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> alternative fuel systems <input type="checkbox"/> dual fuel systems <input type="checkbox"/> hazardous chemical labelling and documentation <input type="checkbox"/> hazardous payload stability <input type="checkbox"/> payload stability <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Survey vehicle(s) and the accident scene to identify fuel and payload markings, and residual risks in accordance with SOPs.</p>	
1.4	<p>Candidate must locate and isolate vehicle energy systems in accordance with SOPs.</p> <p>Range: may include but is not limited to -</p> <ul style="list-style-type: none"> <input type="checkbox"/> energised ignition systems <input type="checkbox"/> battery systems <input type="checkbox"/> refrigeration systems <input type="checkbox"/> compressors <input type="checkbox"/> hydraulics <input type="checkbox"/> ancillary motors and drives <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Locate and isolate vehicle energy systems in accordance with SOPs.</p>	

Element and PC	Evidence Typical answer/product/performance expected from the learner/candidate(s)	Judgement Statement (A statement that defines the standard to be achieved)	Result C/NYC
2	Prepare for rescue and extrication activities.		
2.1	<p>Candidate must use additional personal protective clothing when preparing for rescue and extrications activities in accordance with fire and rescue service provider's requirements.</p> <p>Range: may include but is not limited to -</p> <ul style="list-style-type: none"> <input type="checkbox"/> biohazard protection <input type="checkbox"/> eye protection <input type="checkbox"/> ear protection <input type="checkbox"/> respiratory protection <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Additional personal protective clothing used when preparing for rescue and extrications activities in accordance with fire and rescue service provider's requirements.</p>	
2.2	<p>Candidate must arrange scene protection equipment and identification markings to secure the incident scene and to provide protection to rescuers, support personnel, and the general public in accordance with fire and rescue service provider's requirements.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> day <input type="checkbox"/> night <input type="checkbox"/> times of low visibility <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Arrange scene protection equipment and identification markings to secure the incident scene and to provide protection to rescuers, support personnel, and the general public in accordance with fire and rescue service provider's requirements.</p>	
2.3	<p>Candidate must identify the operating characteristics associated with hydraulic and pneumatic rescue equipment systems in accordance with fire and rescue service provider's requirements.</p> <p>Range: may include but is not limited to -</p> <ul style="list-style-type: none"> <input type="checkbox"/> noise <input type="checkbox"/> high pressure systems <input type="checkbox"/> exhaust fumes <input type="checkbox"/> capacity limits <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Identify the operating characteristics associated with hydraulic and pneumatic rescue equipment systems in accordance with fire and rescue service provider's requirements.</p>	

Element and PC	Evidence Typical answer/product/performance expected from the learner/candidate(s)	Judgement Statement (A statement that defines the standard to be achieved)	Result C/NYC
3	Identify manufacturer-fitted supplementary restraint systems (SRS) and use safety equipment to protect rescuers and casualties from non-deployed supplementary restraint systems.		
3.1	<p>Candidate must identify typical deployment sequences of supplementary restraint systems in accordance with manufacturer's instructions and fire and rescue service provider's requirements.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> impact <input type="checkbox"/> detonation <input type="checkbox"/> inflation <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Satisfy the requirements of the range? <p>Assessor notes:</p>	<p>Identify typical deployment sequences of supplementary restraint systems in accordance with manufacturer's instructions and fire and rescue service provider's requirements.</p>	
3.2	<p>Candidate must identify and explain universal identification markings for supplementary restraint systems in vehicles in accordance with their meaning.</p> <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Identify and explain universal identification system? <p>Assessor notes:</p>	<p>Identify and explain universal identification markings for supplementary restraint systems in vehicles in accordance with their meaning</p>	
3.3	<p>Candidate must use safety equipment for isolating non-deployed supplementary restraint systems in accordance with SOPs.</p> <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use safety equipment in appropriate context? <p>Assessor notes:</p>	<p>Use safety equipment for isolating non-deployed supplementary restraint systems in accordance with SOPs.</p>	