



Assessor Assessment Guide Unit Standard 16952 Apply salvage and overhaul techniques in fire and rescue services (Level 3, Credit 4, 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 demonstrate the performances required to apply salvage and overhaul techniques in fire and rescue services.

This assessment may take place at a real incident where salvage and overhaul techniques are employed 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

Assessors: General Notes:

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

Level Descriptor

Level	Process	Employing	Responsibility
3	<p>Carrying out processes that:</p> <ul style="list-style-type: none"> • Require a range of well developed skills • Offer a significant choice of procedures • Are employed within a range of familiar contexts 	<p>Employing:</p> <ul style="list-style-type: none"> • Some relevant theoretical knowledge • Interpretation of available information • Discretion and judgement • A range of known responses to familiar problems 	<p>Applied:</p> <ul style="list-style-type: none"> • In directed activity with some autonomy • Under general supervision and quality checking • With significant responsibility for the quantity and quality of output • With possible responsibility for the output of others

	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>	Assessor Notes:

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	Demonstrate knowledge of salvage and overhaul activities undertaken in fire and rescue services.		
1.1	<p>Candidate must ensure salvage and overhaul activities undertaken to protect property from damage are listed and explained in accordance with the SOPs.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> heat <input type="checkbox"/> smoke <input type="checkbox"/> flood <input type="checkbox"/> storm <input type="checkbox"/> other environmental causes <input type="checkbox"/> fire fighting and rescue operations <p>Consider the following: The range of actions undertaken may include:</p> <ul style="list-style-type: none"> • Covering chattels and machinery • Isolating areas from operations • Removing chattels • Removal of excess water • Ventilation to remove/minimise smoke and heat • Secure roof claddings • Cover windows • Isolating services • Sand bagging <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> List the range of salvage and overhaul operations commonly performed. <input type="checkbox"/> Explain salvage and overhaul operations commonly performed to protect property from further damage from fire and other emergencies <p>Assessor notes:</p>	Salvage and overhaul activities are listed and explained in accordance with SOPs.	

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
1.2	<p>Candidate must ensure the use of salvage equipment is described in accordance with the SOPs.</p> <p>Range:</p> <p>Equipment must include any 5 of the following items:</p> <ul style="list-style-type: none"> <input type="checkbox"/> salvage sheet <input type="checkbox"/> salvage/hall runners <input type="checkbox"/> buckets <input type="checkbox"/> mops <input type="checkbox"/> squeegees <input type="checkbox"/> ceiling hooks / preventors <input type="checkbox"/> sprinkler stoppers <input type="checkbox"/> chainsaws <input type="checkbox"/> aqua vacuums <input type="checkbox"/> forced ventilation fans <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Describe how the selected equipment is used in salvage and overhaul operations? <p>Assessor notes:</p>	<p>The use of salvage equipment is described</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 ensure candidates must explain when various salvage and overhaul activities are conducted at fires and at one type of non fire emergency.</p> <p>Range: <input type="checkbox"/> During <input type="checkbox"/> After</p> <p>Explanations may include: During:</p> <ul style="list-style-type: none"> • What salvage and overhaul operations can be conducted in conjunction with emergency operations at: <ul style="list-style-type: none"> ○ Property fire incident ○ Storm affected property <p>After:</p> <ul style="list-style-type: none"> • What salvage and overhaul operations can be conducted when urgent emergency operations have ceased at a: <ul style="list-style-type: none"> ○ Property fire incident ○ Storm affected property • Explanations should take account of: <ul style="list-style-type: none"> ○ Timeframes based on the type and size of emergency ○ Considerations that must be taken before stopping water flow from a sprinkler ○ Considerations that must be taken before embarking on ventilation at fires ○ The different methods of ventilation ○ Considerations for protection priority and what the building owner values the most ○ Considerations that must be made prior to committing personnel to salvage operations during a storm ○ Available resources <p>Did the candidate:</p> <p><input type="checkbox"/> Explain when various salvage and overhaul activities are conducted for a property fire incident?</p> <p><input type="checkbox"/> Explain when various salvage and overhaul activities are conducted for a storm related incident?</p> <p>Assessor notes:</p>	<p>Candidates must explain when various salvage and overhaul activities are conducted at fires and at one type of non fire emergency.</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	Provide protection to property and people by applying salvage and overhaul techniques to emergency management activities.		
2.1	<p>Candidate must ensure salvage techniques applied to provide protection against damage to property during emergency operations are demonstrated in accordance with the SOPs.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> removal of water <input type="checkbox"/> removal of smoke <input type="checkbox"/> removal of heat <input type="checkbox"/> covering and securing damaged buildings and contents <p>Consider the following: Overhaul actions to protect evidence may include:</p> <ul style="list-style-type: none"> • Minimal scene disturbance • Indirect covering of chattels (covers not in direct contact) • Minimal personnel movement in “sensitive” areas • Taking photographs/video • Making a drawing of the scene layout • Isolating areas from operations • Securing the scene <p>Overhaul actions to guard against re-ignition may include:</p> <ul style="list-style-type: none"> • Removal of chattels and fire damaged structural members • Removal of ceiling and wall insulation • Use of infra red cameras and/or close quarter inspection to detect hot spots • Extinguishment of hot spots • Use of standby crews • Securing the scene from repeat arson/intrusion <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Demonstrate salvage practices that preserve property <p>Assessor notes:</p>	<p>Salvage techniques applied to provide protection against damage to property during emergency operations are demonstrated in accordance with the 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
2.2	<p>Candidates must ensure overhaul activities to protect evidence and control against re-ignition are demonstrated in accordance with the SOPs.</p> <p>Consider the following:</p> <p>Candidates may consider a range of salvage and overhaul activities at emergencies.</p> <p>These may include:</p> <ul style="list-style-type: none"> • Removal of water • Covering chattels and machinery • Isolating areas from operations • Removing chattels <p>Ventilation to remove/minimise smoke and heat</p> <ul style="list-style-type: none"> • Forced • Use of fans • Use of building systems • Use of delivery nozzles • Natural • Horizontal • Vertical • Secure roof claddings • Covering windows • Isolating services <p>Candidates must ensure all safety considerations have been taken and must choose appropriate equipment for the task.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Demonstrate a range of overhaul activities at emergencies?</p> <p><input type="checkbox"/> Ensure all safety considerations were taken?</p> <p><input type="checkbox"/> Choose appropriate equipment for the tasks?</p> <p>Assessor notes:</p>	<p>Overhaul techniques are demonstrated in accordance with SOPs.</p>	