



Fire & Rescue Services ITO

Assessor Assessment Guide Unit Standard 3305 Operate aerial appliances in emergency situations (Level 4, Credit 6, Version 3)

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 prepare for, operate and complete requirements to operate aerial appliances in emergency situations.

This assessment may take place at a real fire where defensive control is 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:

Candidates must hold prerequisites: Unit 3267, *Drive fire and rescue vehicles in emergency situations*, or be a qualified NZFS Grade 2 driver, or demonstrate equivalent knowledge and skills.

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

Level Descriptor

Level	Process	Employing	Responsibility
4	Carrying out processes that: <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 	Employing: <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 	Applied: <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	Has the candidate: <ul style="list-style-type: none"> <input type="checkbox"/> Satisfactorily completed a pre course self test? <input type="checkbox"/> Completed US 3267 and is on ROL? <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)? <hr/> <hr/>	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 aerial appliances required for emergency situations.		
1.1	Candidate ensures technical aspects of aerial appliances are described in accordance with the primary reference. <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> appliance specifications <input type="checkbox"/> operating limits <input type="checkbox"/> appliance controls <input type="checkbox"/> safety considerations <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Satisfy the requirements of the range? <p>Assessor notes:</p>	Technical aspects of aerial appliances are described in accordance with the primary reference.	

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 ensures operating principles of aerial appliances are explained in accordance with the primary reference.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> safety considerations <input type="checkbox"/> SOPs <input type="checkbox"/> communication systems <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>Operating principles of aerial appliances are explained in accordance with the primary reference.</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	Select site and prepare aerial appliances required for emergency situations.		
2.1	<p>Candidate ensures site is selected in accordance with the requirements of the fire and rescue service provider and manufacturer's specifications for ground stability and gradient.</p> <p>Range: Safe access -</p> <ul style="list-style-type: none"> <input type="checkbox"/> horizontal assistance <input type="checkbox"/> overhead obstacles <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>Site is selected in accordance with the requirements of the fire and rescue service provider and manufacturer's specifications for ground stability and gradient.</p>	
2.2	<p>Candidate ensures vehicle is stabilised using jacks in accordance with the manufacturer's instruction manual.</p> <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ensure vehicle is stabilised correctly? <p>Assessor notes:</p>	<p>Vehicle is stabilised using jacks in accordance with the manufacturer's instruction manual.</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
2.3	<p>Candidate ensures appliances are set up to provide water, rescue, and observation facilities in accordance with the requirements of the fire and rescue service provider.</p> <p>Range: Must include (where provided) but not limited to -</p> <ul style="list-style-type: none"> <input type="checkbox"/> water tower by hose or fixed pipe <input type="checkbox"/> rescue lines <input type="checkbox"/> stretcher <input type="checkbox"/> means of escape <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Appliances are set up to provide water, rescue, and observation facilities in accordance with the requirements of the fire and rescue service provider.</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	Position head of aerial appliances for emergency situations.		
3.1	<p>Candidate ensures power take off unit is selected and engaged before operating positioning controls in accordance with the manufacturer's instruction manual.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Operate aerial appliance as specified above?</p> <p>Assessor notes:</p>	<p>Power take off unit is selected and engaged before operating positioning controls in accordance with the manufacturer's instruction manual.</p>	
3.2	<p>Candidate ensures aerial device is manoeuvred in accordance with manufacturer's instruction manual and within safety limits specified by the fire and rescue service provider.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> elevate <input type="checkbox"/> extend <input type="checkbox"/> train <input type="checkbox"/> retract <input type="checkbox"/> depress <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Aerial device is manoeuvred in accordance with manufacturer's instruction manual and within safety limits specified by the fire and rescue service provider.</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
3.3	<p>Candidate ensures aerial device is positioned from available operating points in accordance with manufacturer's instruction manual.</p> <p>Range:</p> <ul style="list-style-type: none"> <input type="checkbox"/> from the appliance <input type="checkbox"/> from the head of the device <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>Aerial device is positioned from available operating points in accordance with manufacturer's instruction manual.</p>	
3.4	<p>Candidate ensures hazards are identified and communicated between the operators of the aerial device in accordance with the requirements of the fire and rescue service provider.</p> <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Identify hazards and communicate them? <p>Assessor notes:</p>	<p>Hazards are identified and communicated between the operators of the aerial device in accordance with the requirements of the fire and rescue service provider.</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
4	<p>Operate water and foam delivery systems required for emergency situations. Range: limitations - safety, loading; operation - full range.</p>		
4.1	<p>Candidate ensures water monitors are directed and adjusted in accordance with the requirements of the fire and rescue service provider.</p> <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ensure water monitors are used correctly? <p>Assessor notes:</p>	<p>Water monitors are directed and adjusted in accordance with the requirements of the fire and rescue service provider.</p>	
4.2	<p>Candidate ensures foam monitors are directed and adjusted in accordance with the requirements of the fire and rescue service provider.</p> <p>Did the candidate:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ensure foam monitors are used correctly? <p>Assessor notes:</p>	<p>Foam monitors are directed and adjusted in accordance with the requirements of the fire and rescue service provider.</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
5	Maintain and use aerial appliances fixed air systems required for emergency situations.		
5.1	<p>Candidate ensures breathing apparatus is worn and operated at the head of the apparatus through appliances' fixed air systems in accordance with manufacturer's instruction manual.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Ensure BA is worn and operated correctly?</p> <p>Assessor notes:</p>	Breathing apparatus is worn and operated at the head of the apparatus through appliances' fixed air systems in accordance with manufacturer's instruction manual.	
5.2	<p>Candidate ensures appliances' bulk air system is maintained in accordance with manufacturer's instruction manual.</p> <p>Range: System –</p> <p><input type="checkbox"/> contents checked</p> <p><input type="checkbox"/> recharged</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	Appliances' bulk air system is maintained in accordance with manufacturer's instruction manual.	

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
6	Make up aerial appliances after use and complete reports.		
6.1	<p>Candidate ensures aerial appliances are housed, and power take off unit is disengaged in accordance with manufacturer's instruction manual.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Ensure aerial appliances are housed and power disengaged appropriately?</p> <p>Assessor notes:</p>	Aerial appliances are housed, and power take off unit is disengaged in accordance with manufacturer's instruction manual.	

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
6.2	<p>Candidate ensures aerial appliances are recommissioned for immediate use in accordance with manufacturer's instruction manual and the fire and rescue service provider's requirements</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Ensure aerial appliances are re-commissioned?</p> <p>Assessor notes:</p>	<p>Aerial appliances are recommissioned for immediate use in accordance with manufacturer's instruction manual and the fire and rescue service provider's requirements</p>	
6.3	<p>Candidate ensures reporting is completed in accordance with the requirements of the fire and rescue service provider.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Ensure reporting is completed correctly?</p> <p>Assessor notes:</p>	<p>Reporting is completed in accordance with the requirements of the fire and rescue service provider.</p>	