



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

Level Descriptor

Level	Process	Employing	Responsibility
4	Carrying out processes that: <ul style="list-style-type: none"> • Require a wide range of scholastic skills • Offer a considerable choice of procedures • Are employed in a variety of familiar and unfamiliar contexts 	Employing: <ul style="list-style-type: none"> • A broad knowledge base incorporating some theoretical concepts • Analytical interpretation of information • Informed judgement • A range of sometimes innovative responses to concrete but often unfamiliar problems 	Applied: <ul style="list-style-type: none"> • In directed activity • Under broad guidance and evaluation • With complete responsibility for the quantity and quality of output • With possible responsibility for the quantity and quality of the output of others

Descriptors:

Credit 6 - will require approximately 60 - 72 hours of learning, practice or experience and assessment for a person with no previous knowledge or experience.

Version 3 - This document has been prepared based on version 3 of the Unit Standard.

Elements:

1. Demonstrate knowledge of aerial appliances required for emergency situations.
1. Select site and prepare aerial appliances for emergency situations.
2. Position head of aerial appliances for emergency situations.
3. Operate water and foam delivery systems required for emergency situations.
4. Maintain and use aerial appliances fixed air systems required for emergency situations.
5. Make up aerial appliances after use and complete reports.

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.

Assessment Conditions:

Assessment against this unit standard may take place under real or practical simulated conditions.

Special Notes:

Compliance with the providers Health and Safety policy and procedures is mandatory.

Assessment Brief Instructions:

Assessing Element 1: Demonstrate knowledge of aerial appliances required for emergency situations.

The learner ensures technical aspects of aerial appliances are described in accordance with the primary reference. This includes but is not limited by:

- appliance specifications
- operating limits
- appliance controls
- safety considerations

The learner ensures operating principles of aerial appliances are explained in accordance with the primary reference. This includes but is not limited by:

- safety considerations
- SOPs
- communication systems

Assessing Element 2: Select site and prepare aerial appliances required for emergency situations.

The learner 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. This includes but is not limited by safe access:

- horizontal assistance
- overhead obstacles

The learner ensures vehicle is stabilised using jacks in accordance with the manufacturer's instruction manual.

The learner ensures appliances are set up to provide water, rescue, and observation facilities in accordance with the requirements of the fire and rescue service provider. Must include (where provided) but not limited to:

- water tower by hose or fixed pipe
- rescue lines
- stretcher
- means of escape

Assessing Element 3: Position head of aerial appliances for emergency situations.

The learner ensures power take off unit is selected and engaged before operating positioning controls in accordance with the manufacturer's instruction manual.

The learner ensures aerial device is manoeuvred in accordance with manufacturer's instruction manual and within safety limits specified by the fire and rescue service provider. This includes but is not limited by:

- elevate
- extend
- train
- retract
- depress

The learner ensures aerial device is positioned from available operating points in accordance with manufacturer's instruction manual. This includes but is not limited by:

- from the appliance
- from the head of the device

The learner 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.

Assessing Element 4: Operate water and foam delivery systems required for emergency situations.

This includes but is not limited by:

- limitations - safety, loading
- operation - full range

The learner ensures water monitors are directed and adjusted in accordance with the requirements of the fire and rescue service provider.

The learner ensures foam monitors are directed and adjusted in accordance with the requirements of the fire and rescue service provider.

Assessing Element 5: Maintain and use aerial appliances fixed air systems required for emergency situations.

The learner 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.

The learner ensures appliances' bulk air system is maintained in accordance with manufacturer's instruction manual. This includes but is not limited by, system:

- contents checked
- recharged

Assessing Element 6: Make up aerial appliances after use and complete reports.

The learner ensures aerial appliances are housed, and power take off unit is disengaged in accordance with manufacturer's instruction manual.

The learner ensures aerial appliances are recommissioned for immediate use in accordance with manufacturer's instruction manual and the fire and rescue service provider's requirements

The learner ensures reporting is completed in accordance with the requirements of the fire and rescue service provider.