



Fire & Rescue Services ITO

Assessor Assessment Guide Unit Standard 3304 Assess threat from vegetation fire (Level 5, Credit 5, 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 evaluate threats from vegetation fire, and devise strategies to mitigate threat from vegetation fire.

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

The primary reference for this unit standard is the *wildfire threat analysis workbook* published by the National Rural Fire Authority. This reference is available from FRSITO, PO Box 11988, Wellington, or from the NRFA, PO Box 2133, Wellington.

Assessors General Notes:

Assessor 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>	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 vegetation fire threat analysis.		
1.1	<p>The candidate ensures the principles of fire threat analysis are outlined and the components of a vegetation fire threat analysis are explained in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Outline the principles of fire threat analysis correctly?</p> <p>Assessor notes:</p>	<p>The principles of fire threat analysis are outlined and the components of a vegetation fire threat analysis are explained in accordance with the primary reference.</p>	
1.2	<p>The candidate ensures key inputs to each of the components are explained in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Explain key inputs correctly?</p> <p>Assessor notes:</p>	<p>Key inputs to each of the components are explained in accordance with the primary reference.</p>	
1.3	<p>The candidate ensures the outputs of a vegetation fire threat analysis are explained in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Explain key outputs correctly?</p> <p>Assessor notes:</p>	<p>The outputs of a vegetation fire threat analysis 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	Assess and evaluate threats from vegetation fire.		
2.1	<p>The candidate ensures assessment of fire risks in a given geographical area is completed in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Complete assessment of fire risk correctly?</p> <p>Assessor notes:</p>	<p>Assessment of fire risks in a given geographical area is completed in accordance with the primary reference.</p>	
2.2	<p>The candidate ensures assessment of fire hazards for a given geographical area is completed in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Complete assessment of fire hazards correctly?</p> <p>Assessor notes:</p>	<p>Assessment of fire hazards for a given geographical area is completed in accordance with the primary reference.</p>	
2.3	<p>The candidate ensures assessment of values that have the potential to be damaged or destroyed by fire for a given geographical area is completed in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Complete assessment of fire values correctly?</p> <p>Assessor notes:</p>	<p>Assessment of values that have the potential to be damaged or destroyed by fire for a given geographical area is completed in accordance with the primary reference.</p>	
2.4	<p>The candidate ensures evaluation of the threat of vegetation fire is completed for a given geographical area in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Complete evaluation of fire threat correctly?</p> <p>Assessor notes:</p>	<p>Evaluation of the threat of vegetation fire is completed for a given geographical area 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
3	Devise strategies to mitigate threat from vegetation fire.		
3.1	<p>The candidate ensures threat level zones are determined for a given geographical area on the basis of the threat analysis in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Determine threat level zones correctly?</p> <p>Assessor notes:</p>	<p>Threat level zones are determined for a given geographical area on the basis of the threat analysis in accordance with the primary reference.</p>	
3.2	<p>The candidate ensures mitigation strategies are devised to cover each zone in accordance with the primary reference.</p> <p>Range:</p> <p><input type="checkbox"/> risk minimisation <input type="checkbox"/> hazard minimisation</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Mitigation strategies are devised to cover each zone in accordance with the primary reference.</p>	
3.3	<p>The candidate ensures levels of pre-suppression preparedness and fire fighting response levels are graded in relation to the threat analysis in accordance with the primary reference.</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Grade levels of pre-suppression preparedness? <input type="checkbox"/> Grade fire fighting response levels? <input type="checkbox"/> In relation to threat analysis?</p> <p>Assessor notes:</p>	<p>Levels of pre-suppression preparedness and fire fighting response levels are graded in relation to the threat analysis in accordance with the primary reference.</p>	
3.4	<p>The candidate ensures mitigation strategies that may impinge upon other organisations are identified and critically evaluated in accordance with the fire and rescue service provider requirements.</p> <p>Range;</p> <p><input type="checkbox"/> consultation <input type="checkbox"/> alternatives</p> <p>Did the candidate:</p> <p><input type="checkbox"/> Satisfy the requirements of the range?</p> <p>Assessor notes:</p>	<p>Mitigation strategies that may impinge upon other organisations are identified and critically evaluated in accordance with the fire and rescue service provider requirements.</p>	