

Title	Apply Fire Weather Index System data for fire reduction and readiness measures		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> - demonstrate knowledge of the Fire Weather Index (FWI) System; - demonstrate knowledge of the FWI tables and their use; and - select fire reduction and readiness measures.
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Classification	Fire and Rescue Services > Fire and Rescue Services - Vegetation
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Available grade	Achieved
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Prerequisites	Unit 14564, <i>Demonstrate knowledge of the fire environment on vegetation fire behaviour</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Compliance with the fire and emergency agency's Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard must take place under real or simulated conditions.
- 3 Definition
Fire and emergency agency's requirements refer to policies, procedures and supporting documentation on safety and operations set down by each fire and emergency agency employer or host organisation.
- 4 Assessment against all outcomes must be in accordance with the fire and emergency agency's requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the Fire Weather Index (FWI) System.

Performance criteria

- 1.1 The structure and purpose of the FWI system is explained.

1.2 Weather inputs required for use of the FWI system are listed and explained.

Range significance, measurement standard.

1.3 Components of the FWI system are listed and their significance is explained.

Outcome 2

Demonstrate knowledge of the FWI tables and their use.

Performance criteria

2.1 Layout and use of the FWI tables are explained.

2.2 Manual calculations of codes and indices are carried out from given data.

Outcome 3

Select fire reduction and readiness measures.

Performance criteria

3.1 Fire reduction measures are taken relating to the values of the FWI codes and indices.

Range restrictions, permit measures, publicity, signs, trigger points.

3.2 Readiness levels are adjusted in accordance with FWI codes and indices.

Range resource levels, resource location, resource types, response times.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 April 1998	N/A
Review	2	25 March 2004	N/A
Review	3	20 November 2009	N/A
Revision and Rollover	4	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference	0039
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.