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| Title | Demonstrate knowledge of the use of hand tools and construct a fire line to control vegetation fires | | |
| Level | 3 | Credits | 3 |

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| Purpose | <p>This unit standard applies to the use of a range of hand tools and knapsack pumps during fire control action.</p> <p>People credited with this unit standard are able to, when controlling vegetation fires:</p> <ul style="list-style-type: none"> - demonstrate knowledge of the use of hand tools; and - construct a fire line. |
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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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Guidance Information

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 Definitions
Anchor point refers to the start point of the constructed fire line.
Fire and emergency agency's requirements refers to policies, procedures, and supporting documentation on safety and operation set down by each fire and emergency agency employer or host organisation.
- 3 Assessment against outcome 2 must take place under real or simulated conditions.
- 4 Assessment against both outcomes must be in accordance with the fire and emergency agency's requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the use of hand tools when controlling vegetation fires.

Performance criteria

- 1.1 Hand tools used for fighting vegetation fires are identified and their use described.

- 1.2 Safety precautions in relation to the use of hand tools are described.
- Range personal safety, safety of crew.
- 1.3 Vegetation fire containment methods using hand tools are described for different situations.
- Range situations must include – consideration of use of natural barriers, avoidance of heavy fuel material, width of fire line, height of adjacent and overhanging vegetation, trenching on slopes.
- 1.4 Flame length for safe direct attack using hand tools is identified.

Outcome 2

Construct a fire line when controlling vegetation fires.

Performance criteria

- 2.1 Methods of constructing a fire line using dry firefighting techniques are demonstrated.
- Range one of – progressive method, step-up method.
- 2.2 The fire line is constructed.
- Range location, anchor point, width, height of adjacent and overhanging vegetation, positioning of burnt and un-burnt material, trenching on slopes.

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| Planned review date | 31 December 2026 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1 | 16 March 1995 | 31 December 2023 |
| Revision | 2 | 21 May 1998 | 31 December 2023 |
| Review | 3 | 25 March 2004 | 31 December 2023 |
| Review | 4 | 20 November 2009 | 31 December 2023 |
| Review | 5 | 30 September 2021 | N/A |

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| 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.