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| Title | Demonstrate knowledge of general health, safety, and environmental requirements in forestry | | |
| Level | 2 | Credits | 5 |

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| Purpose | <p>This unit standard is intended for people employed in a forestry operation.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: the role of health and safety in forestry operations; general safety requirements in a forestry operation; emergency procedures and related requirements to be used in the event of a forest emergency; environmental issues in forestry; and personal safety in first line firefighting.</p> |
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| Classification | Forestry > Forest Foundation Skills |
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| Available grade | Achieved |
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Guidance Information

- 1 People seeking to enter the forest industry may elect to complete this unit standard through a training provider.
- 2 Legislation relevant to this unit standard includes the Health and Safety at Work (HSW) Act 2015; the Resource Management (National Environmental Standards for Commercial Forestry) Regulations 2017; and any subsequent amendments.
- 3 References
Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations, December 2012, available from <https://worksafe.govt.nz/>.
New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <https://www.nzfoa.org.nz> (NB – these guidelines support the NES-PF and have replaced the New Zealand Environmental Code of Practice for Plantation Forestry referenced in the unit, which is now out of date).
- 4 Definitions
Accepted industry practice – approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.
Forestry operations include forest establishment, silviculture, harvesting, forest inventory, and forest and crew management.
Near hit means an accident or incident that had the potential to cause harm.
PCBU – refers to a person conducting a business or undertaking, as defined in the Health and Safety at Work Act 2015.

PPE – personal protective equipment as required for the task in accordance with accepted industry practice and worksite procedures. This may include but is not limited to high-visibility clothing, protective clothing, gloves, face and eye protection, safety helmet, approved footwear, chaps, hearing protection, and safety devices. *Worksite procedures* refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, quality assurance procedures, housekeeping standards, procedures to comply with legislative and local body requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the role of health and safety in forestry operations.

Performance criteria

- 1.1 The objectives of the HSW Act 2015 are explained in accordance with accepted industry practice.
- 1.2 The purpose of the Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations, and related rules and guidelines, is described.
- 1.3 The onsite location of the ACOP document, and site-specific rules and guidelines, is identified.
- 1.4 Duties defined by the HSW Act 2015 are described.

Range officer, worker, PCBU, health and safety representative, worker engagement.
- 1.5 Examples of penalties for infringements under the HSW Act 2015 and to whom they may apply are identified.

Range may include but is not limited to fines and prison sentences for workers, supervisors, contractors, company directors; four different examples are required.

Outcome 2

Demonstrate knowledge of general safety requirements in a forestry operation.

Performance criteria

- 2.1 Terminology relevant to health and safety and risk management is defined in accordance with the HSW Act 2015.

Range hazard, risk, notifiable event, hierarchy of control measures, reasonably practicable.

- 2.2 Reasons for using and maintaining PPE equipment, and for having the correct PPE for the task, are explained in accordance with accepted industry practice.
- 2.3 Methods of communicating safety and other information in a forestry operation are described in accordance with worksite procedures.
- Range may include but is not limited to – signage, health and safety notice board, verbal instructions.
- 2.4 The method that the candidate must use to draw attention to themselves when entering an area where work is taking place, is identified and described in accordance with worksite procedures.
- 2.5 Forestry signage is identified, and the meaning of the signage is explained in the context of the candidate's worksite and access to the worksite.
- 2.6 The use of banners, tapes and barriers is explained in accordance with worksite policies and procedures.
- 2.7 The reasons for and process of reporting and recording incidents, near hits, and hazards is explained in accordance with workplace procedures and accepted industry practice.

Outcome 3

Demonstrate knowledge of emergency procedures and related requirements to be used in the event of a forest emergency.

Performance criteria

- 3.1 Emergency procedures are described in accordance with worksite procedures, and in the context of the candidate's role.
- Range may include but is not limited to – injury, fire, explosion, natural events;
evidence of at least two procedures is required.
- 3.2 Action to be taken when first on the scene of a fire, accident, or medical emergency is described in accordance with worksite procedures.
- Range includes but is not limited to – securing the scene, communication procedures, first aid.
- 3.3 Use of communications technology during an emergency is demonstrated in accordance with worksite procedures.
- Range includes but is not limited to – radio, mobile phone, emergency personal locator beacon.
- 3.4 Availability of a vehicle for use as a means of obtaining assistance in an emergency is explained in accordance with worksite procedures.

3.5 Emergency signals are described in accordance with worksite procedures.

Range hand signals, audio signals (including radio communications).

3.6 Essential information to be communicated in the event of an emergency is identified in accordance with accepted industry practice.

Range evidence of five pieces of essential information and to whom they must be communicated.

3.7 The requirement for all recipients to repeat and confirm emergency messages is explained in accordance with accepted industry practice.

Outcome 4

Demonstrate knowledge of environmental issues in forestry.

Performance criteria

4.1 Potential risks to the environment that may arise from the forestry operation the candidate is working in are described.

Outcome 5

Demonstrate knowledge of personal safety in first line firefighting.

Performance criteria

5.1 Causes of fire in forestry operations are explained.

Range chainsaws, machinery, machinery maintenance, vehicles, smoking, open flame, wire rope friction; evidence of three causes of vegetation fire is required.

5.2 Factors that affect fire behaviour are explained in accordance with accepted industry practice.

5.3 Actions to be taken when a fire is observed are described in terms of accepted industry practice and worksite procedures.

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| Planned review date | 31 December 2028 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1 | 5 December 2000 | 31 December 2012 |
| Review | 2 | 22 May 2008 | 31 December 2012 |
| Revision | 3 | 16 July 2010 | 31 December 2016 |
| Review | 4 | 19 March 2015 | 31 December 2017 |
| Review | 5 | 10 December 2015 | 31 December 2024 |
| Review | 6 | 27 February 2020 | 30 December 2025 |
| Review | 7 | 28 March 2024 | N/A |

Consent and Moderation Requirements (CMR) reference

0173

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.