FWPCOT3319 Read and interpret digital maps and forest operation plans

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to read and interpret digital maps and forest operation plans. The unit also includes sourcing, downloading and using digital maps, recording details of physical features, hazards and forestry assets on digital maps, and sourcing, downloading and extracting information from forest operation plans.

The unit applies to individuals who use digital maps and operations plans as part of their work in forestry field operations in either a native forest or plantation setting.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Source and use third-party digital maps	1.1 Install digital map application on mobile device according to developer instructions

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	1.2 Browse map library and download relevant map
	1.3 Use map tools to view, zoom and pan maps
	1.4 Establish and identify Global Positioning System (GPS) coordinates of own and other locations on map
	1.5 Apply processes to orientate self in relation to map based on field observations
	1.6 Use map functions to determine distance, direction, travelling time and routes between locations on map
	1.7 Locate, label and enter attribute data and notes on physical features, hazards and forestry assets on map according to developer instructions and workplace procedures
	1.8 Capture digital images of physical features, hazards and forestry assets, and plot on map according to developer instructions and workplace procedures
	1.9 Hide or display layers to view on map
	1.10 Use folders for storage and retrieval of maps according to workplace procedures
2. Source and extract data from forest operation plan	2.1 Source and download forest operation plan to mobile device
	2.2 Verify version of forest operation plan
	2.3 Identify and access maps, site-specific information and instructions in forest operation plan
	2.4 Confirm meanings of key terms used in the forest operation plan
	2.5 Extract forestry information, including information on coupe boundaries and adjacent land uses, vegetation cover, forest operation and management, silviculture operations, protection of physical and cultural environment and construction and maintenance of forest infrastructure from plan
	2.6 Apply map reading conventions, including interpretation of title, GPS coordinates, symbols and abbreviations, legend, orientation and scale, to extract forestry-related information from forest operation plan map
	2.7 Identify amendments to forest operation plan
	2.8 Apply processes to validate data in forest operation plan based on field observations

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	• Interpret complex text including technical terms contained in forest operation plans
Writing	• Record routine text information related to forestry operations using digital mapping applications
Oral communication	• Ask questions to clarify instructions or information
Numeracy	• Record routine numerical information related to forestry operations, using digital mapping applications • Perform routine mathematical calculations related to using scale and calculating distances

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3319 Read and interpret digital maps and forest operation plans	Not applicable	This unit has been created to address an emerging skill or task required by industry	Newly created

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47