



Australian Government

MSS024034 Navigate in urban, regional and remote areas

Release: 1

MSS024034 Navigate in urban, regional and remote areas

Modification History

Release 1. Unit code changed. Application changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is equivalent to MSS024023 Navigate in urban, regional and remote areas.

Application

This unit describes the skills and knowledge required to read and interpret navigational aids to locate position and determine and navigate safe and efficient routes to urban and regional and remote destinations.

This unit applies to environmental technicians, environmental officer, technicians, operators and other roles who are required to plan and navigate routes using maps, aerial photos, plans, charts and global positioning system (GPS) equipment.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil.

Competency Field

Environmental monitoring and technology

Unit Sector

Not applicable

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. Navigate in urban areas	1.1 Access relevant street directories and road maps 1.2 Read and interpret map symbols 1.3 Use the directory index to locate departure and destination points on map 1.4 Trace the pre-determined or most efficient route on map and estimate distance and duration of journey

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.5 Identify significant intersections and landmarks along route to assist with navigation 1.6 Identify alternate routes in case of emergencies or significant traffic delays 1.7 Follow selected route correctly
2. Plan routes in regional and remote areas	2.1 Locate and read relevant legislative, regulatory and workplace requirements and background information for site access 2.2 Select suitable maps, aerial photos, plans and charts and check their currency and accuracy 2.3 Select navigational equipment, check that it is fit for purpose, and, if required, service or replace 2.4 Read and interpret map symbols and navigation data to identify departure and destination points and potential hazards and select an appropriate route 2.5 Estimate distance and duration of journey using map scale and available information about the terrain and vehicle
3. Navigate in regional and remote areas	3.1 Orientate map with surroundings 3.2 Identify field position and destination on map using landforms, landmarks and navigation equipment 3.3 Use navigation aids, equipment and maps to follow planned route and schedule 3.4 Use alternate routes to avoid hazards, safely bypass obstacles or improve efficiency of route 3.5 Maintain communication in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret site information and regulatory and other requirements
- Writing skills to note routes and features to assist in navigation
- Numeracy skills to estimate distance and take bearings.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSS024023 Navigate in urban, regional and remote areas.

Links

Companion Volume Implementation Guides are found in VETNe -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>

Assessment Requirements for MSS024034 Navigate in urban, regional and remote areas

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- read and interpret maps, aerial photos, plans and charts to locate own position and determine and navigate a safe and efficient route to:
 - at least 1 urban destination
 - at least 1 non-urban destination.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types of maps, aerial photos, plans and charts and advantages and disadvantages of their use
- use and manipulation of scales used on maps and plans
- symbols and representation of topographical features on maps and plans
- types and operating principles of common navigational equipment and aids
- functional components of a compass and global positioning system (GPS) and factors affecting compass and GPS accuracy
- techniques for estimating distance and taking bearings
- hazards, health, safety and environment requirements for work role, including:
 - basic survival
 - dehydration
 - biohazards (including animals, insects and plants)
 - unsealed roads.

legislation, regulations, licences and permit requirements relevant to travel and site access.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of facilities, equipment and resources, including:

- navigational equipment and aids
- maps.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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