



Australian Government

**Assessment Requirements for DEFMIL087
Supervise the construction of short term
roads or tracks**

Release: 1

Assessment Requirements for DEFMIL087 Supervise the construction of short term roads or tracks

Modification History

Release	Comments
1	<p>These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages.</p> <ul style="list-style-type: none">• Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- analysing pavement using cone penetrometer
- conducting reconnaissance for quarries and gravel pits
- conducting route reconnaissance:
 - route formula symbols
 - limiting factors
 - construction materials
 - overhead obstructions
 - tunnels and underpasses
 - map overlays
- conducting soils testing (CBR)
- designing and constructing culverts:
 - determining ground bearing pressure and angle of repose
 - determining soil characteristics and properties
 - employing geo textiles
 - employing soil stabilisation methods
- measuring roadway parts:
 - pavement widths and thickness
 - shoulders
 - camber and crossfall
 - drainage
- preparing terrain analysis

- constructing roads and track to a standard that they could be classified as all-weather dirt roads and tracks capable of sustained heavy vehicle traffic
- constructing roads or tracks able to be sealed without further construction

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- techniques of:
 - compaction
 - pavement analysis using cone penetrometer
 - route reconnaissance
 - soil stabilisation methods
 - soil testing
 - terrain analysis
- construction standards
- types of:
 - geo textiles
 - ground bearing pressure and angle of repose
 - quarries and gravel pits
 - road systems and their relevant parts
 - soil characteristics and properties

Assessment Conditions

Competency should be demonstrated over a time frame that encompasses all aspects of the unit, in the workplace or in a simulated work environment. Assessment need only be conducted supervising the construction of one road or track due to the high cost and complex nature of the task. Specifically, access is required to the following resources:

- construction equipment and materials
- communications equipment
- suitable site
- construction team

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

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