



Australian Government

Assessment Requirements for DEFMIL085 Construct equipment bridging

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- commanding and controlling situations and people
- managing resources
- operating optical levelling and surveying devices
- producing design/plans
- producing written and verbal reports
- recording and processing data and information
- taking and recording accurate measurements
- leading a team to construct, maintain and dismantle a multi span bridging of not less than thirty metres made from modularised or improvised means

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.

- anchorages
- booming procedures and centre of gravity
- equipment bridge design features/requirements:
 - site requirements (reconnaissance):
 - location
 - gap width, depth, obstacles, etc.
 - current and direction

- angle of repose
- abutment design or enhancement
- soils testing and compaction methods
- routes in/out
- parts
- specifications
- user manual,
- material handling equipment requirements and support
- construction sequence
- designed traffic/load (MLC/tonnage)
- above ground or surface (stepped abutment)
- equipment bridge types:
 - medium girder bridge (MGB)
 - air portable bridge (APB)
 - rapid emplacement bridge (REB)
 - line of communication bridge (LOC)
 - bailey bridge, acrow bridge (FMB)
- jacking system
- mathematics to a level necessary to meet all design and construction requirements
- types of bridge category:
 - single span, multi span,
 - simply supported or continuous
- variations in construction sequences:
 - restricted sites
 - floating piers
 - multiple piers

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

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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