



Australian Government

**Assessment Requirements for
MSMPMC325 Operate bulk materials
handling equipment**

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC562071 Operate bulk materials handling equipment

Performance Evidence

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

- operated bulk materials handling equipment to convey and store stock on at least 1 occasion, including:
 - recognising possible causes of the following routine problems:
 - raw material variations and contamination
 - instrument faults and incorrect readings
 - equipment faults and abnormalities
 - procedure errors
 - maintenance issues.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of safe and efficient transfer and storage of bulk materials
- principles of operation of plant, equipment and tools used in material handling
- relationship of properties of particulates to transport and storage, including:
 - particle size and shape: reactivity, solubility and colour
 - angle of repose
 - angle of slide
 - dusts
- density and bulk density
- emergency procedures
- routine problems, their probable causes and relevant corrective actions
- work permit system
- work health and safety (WHS) requirements relevant to work outcome
- hazards that may arising in bulk materials handling and:
 - their possible causes
 - potential consequences
 - risk control procedures.

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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 suitable facilities, equipment and resources, including:
 - bulk materials handling equipment and ancillary equipment
 - materials to be handled
 - specifications, procedures and job sheets
- modelling of industry operating conditions, including:
 - routine and non-routine problems.

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

Links

Companion Volume Implementation Guides are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>