



**Australian Government**

# **Assessment Requirements for CPCPCM3025 Install trench support**

**Release: 2**

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## Modification History

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Typographical errors corrected in Element 1.3 and 3.1.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

New unit.

## Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- installing and removing as a minimum, two trench support systems using an approved shoring method and equipment to a minimum depth of 1.5 metres.

## Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- types of trench support systems including:
  - aluminium shoring shields
  - close timber shoring
  - drag boxes
  - fixed and/or adjustable trench boxes
  - hydraulic vertical shoring
  - lite box aluminium panels
  - powerbrace
  - slide rails
  - raking shoring
- hazards associated with excavation including:
  - soil types and the likelihood of sudden changes in soil
  - presence of ground water and water entering cracks in soil adjacent to the excavation
  - effects on ground material by exposure to the air after excavation
  - vibration due to machinery, plant, motor vehicles and machinery
  - excavation depth and shape

- presence or proximity of other underground services
- presence of excavation, backfill material or equipment placed near an excavation
- excavation within public property requirements
- excavation close to footings and buildings
- work health and safety (WHS) requirements associated with the installation of trench support systems
- how to access relevant information, including job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements
- tools, materials and equipment used for the installing trench support.

## Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

## Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>