



Australian Government

CPCCCM2007 Use explosive power tools

Release: 2

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Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 8.0.
Change to the Knowledge Evidence - removal of outdated references.
Changes to Performance Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 4.0.
Supersedes and equivalent to CPCCCM2007B Use explosive power tools. The unit of competency was updated to the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to safely and effectively operate explosive power tools (EPTs) using explosive charges in a magazine to fasten materials or fix fasteners to bases.

The unit supports the application of knowledge to safely and effectively use a range of indirect action explosive powered fastening tools used in the construction industry.

It applies to workers who work with EPTs in the construction industry. It involves working under supervision in a team environment.

No licensing, legislative, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Unit Sector

Construction

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1. Plan and	1.1 Review and clarify task to set up, operate and maintain

prepare to set up, operate and maintain indirect action EPTs.	indirect action EPTs. 1.2 Review work health and safety (WHS) requirements for the task in accordance with safety plans and policies. 1.3 Identify safety signage and barricade requirements. 1.4 Review environmental requirements for the task in accordance with environmental plans and legislative requirements. 1.5 Calculate material quantity requirements. 1.6 Check EPTs for operation in accordance with manufacturers' specifications and safety requirements for use of EPT.
2. Set out fasteners.	2.1 Erect identified safety signage and barricades, and fit personal protective equipment (PPE). 2.2 Select fastener in accordance with requirements of the job. 2.3 Set-out fasteners adhering to minimum distances for set out from edge of substrate material in accordance with requirements. 2.4 Position material, check it is level, and temporarily fix or clamp into designed position in accordance with detailed drawings.
3. Operate EPTs.	3.1 Select charge in accordance with the requirements for material, base and penetration. 3.2 Install any attachments and accessories to EPT in accordance with manufacturers' specifications and WHS requirements. 3.3 Load fastener and charge into EPT in accordance with manufacturers' specification. 3.4 Carry out EPT operation and fix fastener into place in accordance with manufacturers' specifications and legislative requirements. 3.5 Check depth of fastening penetration and adjust power regulating device in accordance with conditions. 3.6 Carry out misfire procedures in accordance with manufacturers' specifications and legislative requirements. 3.7 Remove temporary holdings and fixings without damage to material.
4. Maintain EPTs and kit.	4.1 Check safety features of tools for serviceability in accordance with manufacturers' specifications. 4.2 Clean and lubricate tools in accordance with manufacturers' specifications. 4.3 Carry out periodic maintenance service in accordance with manufacturers' specifications. 4.4 Replenish diminished stocks of charges and fasteners to

	designed effectiveness of EPT kit. 4.5 Check and complete logbook and record maintenance in accordance with manufacturers' specifications.
5. Secure and store EPT equipment and charges.	5.1 Store used charges in designated container in accordance with requirements. 5.2 Store unused fasteners, the EPT and attachments in a carry case in line with manufacturers' specifications.
6. Clean up after operating EPTs.	6.1 Clear work area and dispose of, re-use or recycle materials in accordance with legislation, regulations, codes of practice and task requirements. 6.2 Clean, check, maintain and store tools and equipment in accordance with manufacturers' specifications and workplace requirements.

Foundation Skills

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

- reading skills to:
 - interpret legislative requirements including those of Australian Standards and the National Construction Code (NCC)
- numeracy skills to:
 - apply measurements and calculations to fastener set-out
- oral communication skills to:
 - use questioning to identify and confirm requirements
 - discuss cause of problems
 - report work site hazards, including faults in tools, equipment and materials.

Unit Mapping Information

Supersedes and is equivalent to CPCCCM2007B Use explosive power tools.

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>

Assessment Requirements for CPCCCM2007 Use explosive power tools

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Performance Evidence

To demonstrate competency in this unit, a person must use explosive power tools (EPTs) to fix metal and timber to one steel base and one concrete base.

Knowledge Evidence

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

- jurisdictional legislation and regulations relating to setting up, operating and maintaining indirect action EPTs including those for work health and safety (WHS), and protection of the environment, including:
 - job safety analyses (JSAs)
 - safe work method statements (SWMSs)
 - safety data sheets (SDSs)
 - safety manuals and instructions for plant, tools and equipment
 - signage and barricades
 - personal protective equipment (PPE)
 - environmental and work site safety plans
- functions, operations and limitations of EPTs
- EPT materials
- EPT charges and fasteners
- EPT attachments, including channel, rebate and other manufacturer attachments
- EPT, fastener and charge manufacturers' specifications
- processes for interpreting drawings and using information for:
 - setting-out fasteners, including:

- regulated minimum distances
 - bases, including concrete, masonry or steel
- positioning material
- processes for:
 - using EPTs, including:
 - stripping and assembling tools
 - completing log of serviceability
 - maintaining and cleaning tools
 - selecting charges and fasteners applicable to the base material and material being fixed
 - misfire procedures
 - using attachments
 - complying with storage and security regulations and work health and safety (WHS) requirements for the working environment
 - selecting signage
 - test fire
 - maintaining EPTs and kits
 - securing and storing EPT equipment and charges
- materials storage and environmentally friendly waste management
- processes for the calculation of material requirements
- security and storage procedures for equipment and charges
- workplace and equipment safety requirements.

Assessment Conditions

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

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- industry-standard indirect action EPTs, attachments, fasteners and charges
- specifications for tasks requiring use of EPTs
- appropriate documents, materials, tools equipment and PPE currently used in industry
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.

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