



Australian Government

CPCCSF2006 Machine-cut reinforcement materials

Release: 2

CPCCSF2006 Machine-cut reinforcement materials

Modification History

- Release 2 Updated reference to general construction induction training program.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCCSF2006A Machine cut reinforcement materials. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to machine-cut reinforcement material components that form part of the construction process. It includes preparing and planning for the work, setting up the machine, cutting the reinforcing materials and completing clean-up activities.

It applies to those who work under the direction of more experienced workers to cut reinforcement materials with machine-cutting equipment for a construction project.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

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

Pre-requisite Unit

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Steelfixing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Plan and prepare to machine-cut | 1.1 Read work order and associated documentation and clarify work tasks with relevant persons. |
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| reinforcement materials. | 1.2 | Plan all work to comply with relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements. |
| | 1.3 | Identify hazards and determine risk controls. |
| | 1.4 | Select cutting machine, tools and equipment, check for serviceability and rectify or report any faults. |
| 2 Set up work area to machine-cut reinforcement materials. | 2.1 | Erect required safety signage and barricades and fit personal protective equipment (PPE). |
| | 2.2 | Conduct measurements and select cutting method in accordance with task specification and site conditions. |
| | 2.3 | Clean area of flammable material and erect barriers to contain waste material from cutting process. |
| | 2.4 | Provide a secure and safe work environment with stable base and platform for the reinforcing material. |
| | 2.5 | Set up cutting machine for operation in accordance with task specifications and manufacturer requirements. |
| 3 Machine-cut reinforcement materials. | 3.1 | Operate cutting machine safely in accordance with manufacturer and workplace requirements. |
| | 3.2 | Cut or dock reinforcement steel to prescribed lengths and configurations in accordance with task specifications. |
| | 3.3 | Cut fabric reinforcement to ensure allowances for element penetrations. |
| | 3.4 | Stack and bundle cut lengths to be included in reinforcing layout. |
| 4 Clean up. | 4.1 | Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements. |
| | 4.2 | Clean, check, maintain and store tools and equipment in accordance with manufacturer and workplace requirements. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCSF2006A Machine cut reinforcement materials.

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 CPCCSF2006 Machine-cut reinforcement materials

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Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by machine-cutting each of the following reinforcement steel materials using a guillotine shear/cropper and an angle grinder:

- deformed bars
- mesh sheets of deformed bars
- mesh sheets of plain bars
- plain rods.

Knowledge Evidence

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

- workplace and regulatory requirements for machine-cutting reinforcement materials under applicable Commonwealth, state or territory work health and safety (WHS) legislation and codes of practice:
 - job safety and environmental analyses (JSEAs)
 - 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)
 - working at heights requirements
 - environmental and worksite safety plans
 - reporting problems
- reinforcement materials:
 - cutting consumables

- deformed bars
- mesh sheets of deformed bars
- mesh sheets of plain bars
- plain rods
- types, characteristics and limitations of tools and equipment for machine-cutting reinforcement materials:
 - guillotine shear/cropper
 - angle grinders
 - bolt cutters
 - general hand and power tools
 - measuring tapes and rules
 - tie wire reels
 - wire nippers
- requirements for using tools and equipment for machine-cutting reinforcement materials:
 - safe operating procedures
 - operational, maintenance and intermediate diagnostic procedures
 - workplace and equipment safety requirements
- requirements for cleaning up work area, maintaining and storing plant, tools, equipment and materials, and for environmentally friendly waste management.

Assessment Conditions

Assessors must meet the requirements for assessors outlined in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to:

- industry-standard equipment required to perform the tasks specified in the Performance Evidence
- appropriate workplace information and records, including policies, procedures and legislative requirements.

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