



Australian Government

CPCCSF3001 Apply reinforcement schedule

Release: 1

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Modification History

Release 1.

Supersedes and equivalent to CPCCSF3001A Apply reinforcement schedule. The unit of competency was updated to the Standards for Training Packages 2012.

This version first released with CPC Construction, Plumbing and Services Training Package Version 4.0.

Application

This unit of competency specifies the skills and knowledge required to interpret a reinforcement schedule to confirm and locate materials to support construction activities.

It includes:

- planning and preparing for work
- reading and interpreting the schedule
- using the schedule to confirm and locate materials for construction use, and to provide information to others on site.

It applies to steelfixers, concreters and construction workers working as members of a team with at least a moderate degree of autonomy. They would be expected to complete routine activities without close supervision.

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

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 prepare to apply reinforcement schedule.	1.1 Review and clarify task involving application of reinforcement schedule. 1.2 Identify elements of structure from project construction schedule and task drawings. 1.3 Review work health and safety (WHS) requirements for the

	task in accordance with safety plans and policies. 1.4 Review environmental requirements for the task in accordance with environmental plans and legislative requirements.
2. Read and interpret reinforcement schedule.	2.1 Confirm structural element to be constructed from site and structural detail drawings. 2.2 Read reinforcement schedule to identify the appropriate reinforcement type for the structural element. 2.3 Determine number of reinforcement pieces/sheets from structural detail drawings. 2.4 Identify and report discrepancies in coding and numbering.
3. Check contents of reinforcement material bundles.	3.1 Check content of reinforcement material bundles for conformity to schedule and proposed structural element. 3.2 Investigate any discrepancies between schedule and actual material quantities, and resolve or report to relevant personnel. 3.3 Investigate any discrepancies between schedule and actual material shape, size or length and resolve or report to relevant personnel. 3.4 Identify, segregate and report any cranked or bent items of reinforcement material. 3.5 Mark schedule where content conforms to schedule and structural element requirements.
4. Locate reinforcement for element construction.	4.1 Mark and place reinforcement ready for transportation to element location. 4.2 Arrange transport of reinforcement to structural location for placement and fixing.
5. Communicate reinforcement schedule information.	5.1 Communicate job sequencing schedule detail to steel fixers and team members to ensure efficient work practices. 5.2 Record changes to job sequencing schedule in accordance with site requirements. 5.3 Identify work completion procedures and notify relevant personnel when finished, in accordance with site 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.

- oral communication skills to:

- enable clear and direct communication, using questioning to identify and confirm requirements, and share information
- follow instructions.

Unit Mapping Information

Supersedes and is equivalent to CPCCSF3001A Apply reinforcement schedule.

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 CPCCSF3001 Apply reinforcement schedule

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Performance Evidence

To demonstrate competency in this unit, a person must apply the reinforcement schedule in a minimum of two different construction sites.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- jurisdictional work health and safety (WHS) and environmental legislation and regulations relating to applying reinforcement schedule, 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
- requirements of Australian Standards and the National Construction Code (NCC) relating to applying reinforcement schedule
- workplace requirements for all aspects of applying reinforcement schedule including interpreting work orders and reporting problems
- interpretation of plans, drawings and specifications, including job specifications, format and contents of reinforcement schedules, and format and general content of typical construction schedules
- information in reinforcement schedules, including:
 - grade of steel reinforcing
 - length of material
 - location for material, size and shape of bars
 - number of bars in a bundle
 - shape of formed bars

- size of mesh
- surface markings
- type of steel bars, cranks and bends
- structural elements, including:
 - beams
 - columns
 - footings
 - slabs
 - walls
- general construction and steel-fixing terminology
- conventional symbols, markings and numbering systems used in reinforcement schedules
- reinforcement material types, appearance, standards, packaging and labelling arrangements
- quality requirements for reinforcement materials
- techniques for communicating detail to others, and to record details of work undertaken and completed.

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:

- work sites and specifications for tasks involving application of reinforcement schedules
- 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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