



Australian Government

RIICCM204E Place and fix reinforcement materials

Release: 1

RIICCM204E Place and fix reinforcement materials

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to place and fix reinforcement materials in civil construction, including preparing, placing, fixing and checking deformed bars, rods and mesh sheets.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan to place and fix reinforcement materials	1.1 Obtain, interpret clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to place and fix reinforcement materials 1.3 Obtain and interpret emergency procedures, and identify steps required to respond to emergencies 1.4 Select and wear personal protective equipment according to site requirements 1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements

ELEMENT	PERFORMANCE CRITERIA
	1.6 Identify, address and report environmental issues, potential hazards and risks 1.7 Select plant, tools and equipment required to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application 1.9 Check stock of required reinforcement materials
2. Prepare for reinforcement	2.1 Check formwork for completion and conformity to receive reinforcement 2.2 Cut and bend reinforcement bars to required set out and specifications 2.3 Tie bars to designed configuration 2.4 Cut reinforcement sheets to required sizes 2.5 Attach stiffening rods to panels as required to facilitate handling processes 2.6 Locate bar chairs and spacers to requirements of reinforcement schedule and specifications
3. Place and fix reinforcement	3.1 Place fabric reinforcement sheets into position according to engineer drawings and specifications 3.2 Locate and position reinforcement bars 3.3 Locate and place reinforcement using bar chairs, ligatures and spacers 3.4 Confirm reinforcement material is supported and secured into position 3.5 Secure cast-in items to reinforcement 3.6 Cover and protect ends of protruding reinforcement material
4. Check reinforcement prior to concrete pour	4.1 Check location and position of reinforcement and fixing ties to reinforcement for accuracy 4.2 Check depth of coverage, clearance, spacing and overlap of reinforcement material according to engineer drawings and job specifications
5. Conduct housekeeping activities	5.1 Clear work area and dispose of or recycle materials according to site requirements 5.2 Clean and maintain condition of equipment, confirm suitability for use, and address and report issues as required within scope of own role 5.3 Manage and report hazards, and maintain a safe working environment 5.4 Process records according to site requirements

Foundation Skills

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

Skill	Description
Self-management	Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICCM204D Place and fix reinforcement materials.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>