



# National Trades Matrix

	Auto Electrician - National	Boilermaker - National	Bricklayer - National	Carpenter - National	Electrician - National	Electronic Trades - National	Site plant repairer/maintainer - National	Formworker - National	Mechanic - National	Plumber - National	Refrigeration - National	Rigger - National	Scaffolder - National	Sheet Metal Worker - National	Steel Fixer - National
Rail Safety Worker (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>Competency Requirements (non rail specific)</b>															
<a href="#">Work Safely in the construction industry (White Card)</a>	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
<a href="#">Certificate III in Engineering Fabrication</a>		M												M	
<a href="#">Certificate III in Air-conditioning and Refrigeration</a>											M				
<a href="#">Certificate III in Automotive Electrical</a>	M														
Certificate III in Bricklaying/Blocklaying			M												
<a href="#">Certificate III in Carpentry and/or Joinery</a>				M											
<a href="#">Certificate III in Electronics</a>						M									
<a href="#">Certificate III in Mechanic</a>									M						
<a href="#">Qualified Plumbing Trade</a>										M					
<a href="#">Certificate III in Formwork / Falsework</a>								M							
Certificate III in On/Off Site Plant Repairers							M								
High Risk Licence to perform rigging <i>(see Licencing on page 2 for direct links to business rules)</i>												M			
<a href="#">Electrical Licence</a>					M										
High Risk Licence to perform scaffolding <i>(see Licencing on page 2 for direct links to business rules)</i>													M		
Certificate III in Steel Fixing															M

Notes:

M = Mandatory

The information contained in this matrix is for reference only and could be subject to change from the Rail Transport Operators.

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## Role examples (A-Z)



NOTE: These are to be used as a guide only. If you are unsure which role applied to you, please seek clarification from the operator with whom you propose to work as to what role is required for your intended duties. It is the individual's responsibility to ensure that the appropriate role is held before work is carried out.

Role	Examples
Auto Electrician - National	An auto electrician is a tradesperson specialising in electrical wiring of motor vehicles. Auto electricians may be employed in the installation of new electrical components or the maintenance and repair of existing electrical components.
Boilermaker - National	A boilermaker is a qualified tradesperson in which the primary work is to produce steel fabrications from plates and tubes, along with providing specialist welding services.
Bricklayer - National	A bricklayer is a qualified tradesperson who lays bricks to construct brickwork.
Carpenter - National	Carpentry is a qualified trade in which the primary work performed is the cutting, shaping and installation of building materials during the construction of buildings, timber bridges, concrete formwork, etc.
Electrician - National	Installs, tests, connects, commissions, maintains and modifies electrical equipment, wiring and control systems. Registration or licensing is required.
Electronic Trades - National	Electronics technicians help design, develop, test, manufacture, install, and repair electrical and electronic equipment such as communication equipment, medical monitoring devices, navigational equipment, and computers. They may be employed in product evaluation and testing, using measuring and diagnostic devices to adjust, test, and repair equipment.
Site plant repairer/maintainer - National	A plant repairer/maintainer is a person whose job is to assemble, adjust, repair, maintain or install machinery or equipment.
Formworker - National	A qualified person who constructs temporary or permanent moulds into which concrete or similar materials are poured.
Mechanic - National	A mechanic is a qualified tradesperson who performs mechanical work on mobile vehicles and plant
Plumber - National	A plumber is responsible for installing, repairing and maintaining pipes, fixtures and other plumbing used for water distribution and waste water disposal in commercial and residential
Refrigeration - National	Refrigeration Technicians, commonly known as Refrigeration Mechanics, repair, install and troubleshoot refrigeration systems. They can work on industrial or residential climate-control systems, such as HVAC units and refrigerated storage units.
Rigger - National	A dogman or rigger specialises in the lifting/moving of large and heavy pipes and equipment. They must work together to ensure the slings are safely placed on the equipment to be lifted and that the slings are loaded onto the crane's hooking correctly. A dogman or rigger then directs the crane operator by either radio or hand signals to advise him when the load can be lifted and moved. Although not a physically demanding role, they are required to work on uneven ground and are constantly looking overhead watching the crane's hook.
Scaffolder - National	Scaffolders erect, alter and dismantle temporary scaffolding structures that provide work platforms and stairway access to building sites.
Sheet Metal Worker - National	A sheet metal worker is a qualified tradesperson who creates, installs, and repairs sheet metal products.
Steel Fixer - National	Steel fixers position and assemble steel bars and mesh sheeting with ligatures to form reinforcement for concrete structures such as concrete slabs, columns, drainage and communication pits, walls and concrete barrier structures. Steel fixing is the mould created prior to pouring the concrete.

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## Licensing Details



NOTES: It is the individual's responsibility to ensure that state licensing requirements are held before work is carried out.

High Risk Roles
National - Rigger
National - Scaffolder
High Risk Work Licences
<a href="#">Licence to perform rigging basic level (RB)</a>
<a href="#">Licence to perform rigging intermediate level (RI)</a>
<a href="#">Licence to perform rigging advanced level (RA)</a>
<a href="#">Licence to perform scaffolding basic level (SB)</a>
<a href="#">Licence to perform scaffolding intermediate level (SI)</a>
<a href="#">Licence to perform scaffolding advanced level (SA)</a>
<a href="#">Electrical Licence</a>

# National Trades Matrix

## Currency Requirements



NOTE: These are to be used as a guide only. If you are unsure which currency period applies to you, please seek clarification from the operator with whom you propose to work. It is the individual's responsibility to ensure that the appropriate currency is held before work is carried out.

Roles with currency requirements	Comments
Plumber - National	Licence valid for up to 5 years
Rigger - National	Basic, intermediate and advanced rigging licences need to be updated every 5 years
Scaffolder - National	Basic, intermediate and advanced scaffolding licences need to be updated every 5 years