



# National Plant Matrix

		Articulated Haul Truck - National	Backhoe Operator - National	Bobcat / Skid Steer - National	Mobile Plant Operator - Concreting - National	Dogman - National	Dozer - National	Drilling Rig Operator - Air - National	Drilling Rig Operator - Auger - National	Drilling Rig Operator - Core - National	Drilling Rig Operator - Rotary Mud - National	Drilling Rig Operator - Cable Tool - National	Drilling Rig Operator - Directional Drilling - National	Dump Truck - NSW Only	Dump Truck - National	Earthworker - National	Elevated Work Platform Operator <11M - National	Elevated Work Platform Operator >11M - National	Excavator Operator - National	Forklift Operator - National	Front End Loader Operator - National	Grader Operator - National	Operator Crane/Hiab <10T - National	Operator Crane/Hiab >10T - National	Operator Gantry Crane - CB - National	Operator Non-Slewing Mobile Crane (>3T) - National	Operator Slewing Mobile Crane (>100T) - National	Operator Slewing Mobile Crane up to 100T - National	Operator Slewing Mobile Crane up to 20T - National	Operator Slewing Mobile Crane up to 60T - National	Rail Bound Plant Operator - National	Rail Bound Plant Operator Light - National	Rail Bound Plant Operator Medium/Heavy - National	Road-Rail Plant Operator	Roller Operator - National	Telehandler Non-Slewing crane above 3T - National	Telehandler Slewing crane above 3T - National	Telehandler under 3T - National	Tip Truck - National			
	<b>Rail Safety Worker (Y/N)</b>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	<b>Medical Requirements</b>																																									
NTC	<b>Railway Medical Category 1 (Cat 1) Safety Critical</b> ( >60 = yearly; 50 - 60 = every 2 years; <50 = every 5 years)																																									
NTC	<b>Railway Medical Category 3 (Cat 3) Non Safety Critical</b> (on commencement of duty; >40 = every 5 years)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
	<b>Nat Comp Codes Competency Requirements (non rail specific)</b>																																									
CPCWHS1001	Prepare to work Safely in the construction industry (White Card)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
	Licence or machine specific unit of competence (specify type) <b>If HIGH RISK, licence is required even if unit is obtained - refer to following page</b>					M											M	M		M			M	M	M	M	M	M	M	M								M	M	M		
	<b>Nat Comp Codes TLI Certificate II - Rail Infrastructure</b>																																									
TLIF2080	Safely access the rail corridor <b>Rail Operators have specific access requirements, therefore if you have obtained this unit of competence from a training provider not endorsed by the rail operator you may require further training.</b>	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
TLIB1028	Maintain and use hand tools															M																										
TLID1001	Shift materials safely using manual handling methods															M																										
TLIE1003	Participate in basic workplace communication															M																										
TLIF1001	Follow work health and safety procedures															M																										
TLIF2010	Apply fatigue management strategies															M																										
TLIB2085	Apply track fundamentals															M																										
TLIU2008	Apply environmental procedures to rail infrastructure															M																										
	<b>Nat Comp Codes TLI Certificate III - Rail Infrastructure</b>																																									
TLIC2058	Travel medium or heavy self-propelled on-track equipment <b>NOTE: If travelling outside the possession area, you may need additional competencies - please check with operator.</b>																																									
TLIC2059	Propel and operate light on-track equipment <b>NOTE: If travelling outside the possession area, you may need additional competencies - please check with operator.</b>																																									
TLIC3045	Operate road/rail vehicle																																									
TLIS2027	Install and maintain surface track drainage															M																										
TLIS3037	Install and repair rail earthworks															M																										
	<b>Nat Comp Codes TLI Other</b>																																									
RIICCM208D	Carry out basic levelling															M																										
TLIC2054	Access rail track to run track vehicle within defined worksite																																									
	<b>Nat Comp Codes Plant operator competencies - can hold any one or more</b>																																									
TLIW2028	Identify the principles of ballast cleaning operations																																									
TLIW2029	Identify the principles of ballast regulator operations																																									
TLIW2030	Identify the principles of dynamic track stabiliser operations																																									
TLIW2031	Identify the principles of self-propelled rail grinder operations																																									
TLIW2032	Identify the principles of tamping machine operations																																									
	<b>Statement of Attainment</b>																																									
	Operator Crane.Statement of Attainment.Conduct telescopic materials handler operations																																									M
	Operator Dozer.Statement of Attainment.Dozer Operations																																									
	Operator Crane.Statement of Attainment.Vehicle mounted loading crane < 10T																																									
	Operator Elevated Work Platform.Statement of Attainment.Operate elevated work platform																																									
	Operator Front End Loader.Statement of Attainment.Civil Construction front end loader Ops																																									
	Operator.Statement of Attainment.Conduct articulated haul truck operations	O																																								
	Operator Front End Loader & Backhoe.Statement of Attainment.Conduct backhoe/loader operations		M																																							
	Operator Grader.Statement of Attainment.Conduct grader operations																																									
	Operator Roller.Statement of Attainment.Conduct Roller Operations																																									M
	Operator Truck.Statement of Attainment.Conduct Tip Truck Operations																																								O	
RIINHB304D	Rail.Statement of Attainment.Conduct air drilling																																									
RIIBHD305D	Rail.Statement of Attainment.Conduct Down-hole Hammer drilling																																									
RIINHB315D	Rail.Statement of Attainment.Conduct Top-hole Hammer drilling																																									
RIINHB305E	Rail.Statement of Attainment.Conduct Continuous flight auger drilling																																									
RIINHB306E	Rail.Statement of Attainment.Conduct large diameter auger drilling																																									
RIINHB307D	Rail.Statement of Attainment.Conduct conventional core drilling																																									
RIINHB308D	Rail.Statement of Attainment.Conduct wireline core drilling																																									
RIINHB311D	Rail.Statement of Attainment.Conduct mud rotary drilling																																									



# National Plant Matrix

## Licencing Details



High Risk Roles	NON High Risk roles
National - Dogman	National - Bobcat/Skid Steer
National - Elevated Work Platform Operator>11M	National - Dozer
National - Forklift Operator	Drilling Rig Operator - Air - National
National - Mobile Plant Operator (concreting) (note: class code PB Concrete-placing Boom Operation)	Drilling Rig Operator - Auger - National
National - Operator Crane/Hiab>10T	Drilling Rig Operator - Core - National
National - Operator Non-slewing mobile cranes (>3T)	Drilling Rig Operator - Rotary Mud - National
National - Operator Slewing Mobile Crane >100T	Drilling Rig Operator - Cable Tool - National
National - Operator Slewing Mobile Crane up to 100T	Drilling Rig Operator - Directional Drilling - National
National - Operator Slewing Mobile Crane up to 20T	National - Dump Truck
National - Operator Slewing Mobile Crane up to 60T	Dump Truck - NSW Only
National - Rigger	National - Elevated Work Platform Operator<11M
National - Scaffolder	National - Excavator Operator
National - Telehandler Non-slewing >3T	National - Front End Loader Operator
National - Telehandler Slewing >3T	National - Grader Operator
National - Backhoe Operator	National - Operator Crane/Hiab<10T
	National - Roller Operator
	National - Telehandler <3T
	National - Tip Truck

High Risk Licences
Erect and dismantle restricted height scaffolding
Licence to erect, alter and dismantle scaffolding - advanced level.
Licence to erect, alter and dismantle scaffolding - intermediate level.
Licence to erect, alter and dismantle scaffolding- basic level
Licence to operate a non-slewing mobile crane (greater than 3 tonnes)
Licence to operate a slewing mobile crane (over 100 tonnes)
Licence to operate a slewing mobile crane (up to 100 tonnes)
Licence to operate a slewing mobile crane (up to 20 tonnes)
Licence to operate a slewing mobile crane (up to 60 tonnes)
Licence to operate a vehicle loading crane (capacity 10 meter tonnes and above)
Licence to perform dogging (DG)
Licence to perform rigging advanced level (RA)
Licence to perform rigging basic level (RB)
Licence to perform rigging intermediate level (RI)

# National Plant Matrix

## 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
Civil Mobile Plant Operator	Mobile plant operators drive and operate heavy machinery used to level, excavate, load and move earth, rock and other material.
Rail Bound Plant Operator	Track maintenance machines or items of plant which under normal conditions cannot be removed from the track
Road-Rail Plant Operator	A rolling stock vehicle which can operate under its own power, both on and off rail, and which can transition from one mode of operation to the other. Road rail vehicles may or may not have the ability to travel on a public highway, and may or may not be road registered.
Drilling Rig Operators - AIR	utilise rigs that use compressed air as a fluid to carry out drilling activity in a range of contexts which could include blast hole drilling, sonic drilling, mineral exploration, piling, construction and maintenance of water wells. * Waterwell contractors will also require a card/licence issued by Government or industry organisation. The Waterwell card or licence must identify a Class of licence (Class 1, 2 or 3).
Drilling Rig Operators - AUGER	utilise auger rigs to carry out drilling activity in a range of contexts which could include site investigation and sampling, geotechnical work, waterwell construction or maintenance, environmental sampling; piling, pier and foundation work. * Waterwell contractors will also require a card/licence issued by Government or industry organisation. The Waterwell card or licence must identify a Class of licence (Class 1, 2 or 3).
Drilling Rig Operators - CORE	utilise rigs to carry out drilling activity in a range of contexts which could include mineral exploration, coring underground in areas of confined space, geotechnical drilling, taking core samples, some construction work.
Drilling Rig Operators - ROTARY MUD	utilise fluid-powered rigs to carry out drilling activity in a range of contexts which could include drilling water bores and monitoring bores, or in environmental and mineral exploration sectors. * Waterwell contractors will also require a card/licence issued by Government or industry organisation. The Waterwell card or licence must identify a Class of licence (Class 1, 2 or 3).
Drilling Rig Operators - CABLE TOOL	utilise cable tool rigs to carry out drilling activity in a range of contexts when working in soft, sedimentary rock formations which could include site investigation or sampling, for the geotechnical, mineral exploration and waterwell sectors or waterwell construction. * Waterwell contractors will also require a card/licence issued by Government or industry organisation. The Waterwell card or licence must identify a Class of licence (Class 1, 2 or 3).
Drilling Rig Operators - DIRECTIONAL DRILLING	utilise rigs with a steerable system to positively change the borehole direction and angle in a range of contexts. Guided boring is a steerable system for the installation of pipes, conduits and cables or other services. In the trenchless technology sector, horizontal directional drilling is similar to guided boring.
SONIC Drilling Rig Operators	utilise rigs with rapidly vibrating drill casings and rods to pulverise or liquidise formation for shallower site investigation or sampling, for undisturbed samples for geological, environmental, archaeological, and seismic information
Dogman	An assistant to a crane operator, responsible for securing the crane's load and directing the operator.
Dump Truck	A dump truck operator drives large trucks that transport and dump waste materials like sand, gravel, rock or non-degradable garbage. a large truck for transporting heavy loads, with a back part that can be raised at one end so that its contents fall out, whereas a side dump truck (SDT) consists of a 3-axle tractor pulling a 2-axle semi-trailer. It has hydraulic rams which tilt the dump body onto its side, spilling the material to either the left or right side of the trailer.
Dump Truck NSW	Does the same work as a Dump Truck driver, however may work on a restricted licence as per the requirements of NSW regulator Safework
Tip Truck	This is a similar description to a Dump truck but is generally used for longer hauls outside of the work site and therefore road registered.