



National Power & Electrical Matrix

September 2023 V1

		National Roles/Functions												
		Traction Overhead Lineworker - National (In-training)	Traction Overhead Lineworker - National	Traction Switching Operator - National	Distribution Overhead Lineworker - National (In-training)	Distribution Overhead Lineworker - National	Distribution Switching Operator - National	Substation Electrician - National	Substation Technician - National	Substation Switching Operator - National	Cable Joiner (Level 1) - National	Cable Joiner (Level 2) - National	Cable Joiner (Level 3) - National	
	Rail Safety Worker (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Requirements														
Medical	Railway Medical Categories (1 or 2 or 3 or 4)	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	M - Cat 3	
Access	Safely Access the Rail Corridor - TLIF2080/TLIF0020	M	M	M	M	M	M	M	M	M	M	M	M	
	Work Safely in the Construction Industry - CPCOHS1001/CPCWHS1001	M	M	M	M	M	M	M	M	M	M	M	M	
Competency	UET30721 - Certificate III in ESI - Rail Traction		M	M										
	UET30621 - Certificate III in ESI - Distribution Overhead					M								
	UEE30820 - Cert III in Electrotechnology Electrician							M	M	1M	1M	1M		
	UET30821 - Certificate III in ESI - Distribution Underground										1M	1M	M	
	UET40522 Cert IV in ESI - Power Systems Substations								M					
	UEE50420 - Diploma of Electrical Engineering									1M				
	UEE53020 - Diploma of Electrical Systems Engineering									1M				
	UET50221 - Diploma of ESI - Power Systems									1M				
	UET60222 - Advanced Diploma of ESI - Power Systems									1M				
	Bachelor of Engineering (Electrical)									1M				
	UETDRS001 - Perform substation switching operations to a given schedule									M				
	UETDRRT013 - Perform rail traction switching operations to a given schedule			M										
	UETDRIS017 - Perform high voltage field switching operation to a given schedule							M						
	UETDRDU013 - Joint, terminate and maintain high-voltage underground polymeric cable											M		
Refresher Units (12 Months)	HLTAID009 - Provide cardiopulmonary resuscitation	M	M	M	M	M	M	M	M	M	M	M	M	
	UETDRMP004 - Perform elevated work platform controlled descent escape	M	M		M	M								
	Refresher UETDRMP005 - Perform elevated work platform rescue	M	M		M	M								
	Refresher UETDRMP007 - Perform rescue from a live low voltage panel				M	M		M	M	M				
	Refresher UETDRMP006 - Perform pole top rescue	M	M		M	M								
Notes														
M	This item is mandatory													
1M	At least one of the items in this cluster is mandatory													
	Holding a National Role may not allow you to undertake work in certain jurisdictions. Check with the network owner to confirm additional competency requirements and the applicable network role													

National Power & Electrical Role Descriptors

Role	Descriptions
Trade functions	
Traction Overhead Lineworker - National	Traction Lineworker are capable to install and maintain traction overhead lines and equipment.
Traction Overhead Lineworker (In-training)	Traction Lineworker apprentice or trainee to install and maintain traction overhead lines and equipment under supervision. Also includes qualified non-traction line worker transitioning to qualified traction overhead line worker.
Traction Switching Operator - National	Traction Switching Operator - National may locally operate traction equipment and issue access permits.
Distribution Overhead Lineworker - National	Distribution Lineworker are capable to install and maintain distribution overhead lines and equipment.
Distribution Overhead Lineworker (In-training)	Distribution Lineworker apprentice or trainee to install and maintain traction overhead lines and equipment under supervision. Also includes qualified non-distribution line worker transitioning to qualified distribution overhead line worker.
Distribution Field Switching Operator - National	Distribution Field Operator - National may locally operate distribution high voltage field equipment and issue access permits.
Substation Electrician - National	Substation Electrician - National may perform electrical work within a substation.
Substation Technician - National	Substation Technician - National may perform electrical work, requiring a Cert IV in ESI - Power Systems Substations, within a substation.
Substation Switching Operator - National	Substation Operator - National may locally operate distribution or traction high voltage substation and field equipment and issue access permits.
Cable Joiner (Level 1) - National	Applicable to XLPE cables for up to 6.6kV, including 1500 V DC cables.
Cable Joiner (Level 2) - National	Applicable to 11 kV & 22 kV XLPE cables (does not apply to 25 kV cables).
Cable Joiner (Level 3) - National	Applicable to all high voltage cables.
Note	A person who fulfils the requirement of the higher level cable jointing role will also be able to undertake the types of cable jointing work prescribed for the lower level roles, provided that the worker has received the relevant domain-specific training.