Engineering and Design Matrix

June 2024

Rail Industry Worker	Electrical Networks																				Stuctures (Civil and Underground) - Buildings Requiring Building Surveyor/Certs/Permits						Tunnels						Track (including Transit Space and all track related Civil infrastructure)					Wheel-Rail Interface & Wheel-Rail Lubrication					Surface Civil (excluding permanent way)				Building Services					Architectural				Rolling Stock																Fire Safety				
	Over Head Wiringe & 25kV				Substation & HV Power				EMI/EMC				Earthing and Bonding				Traction Power																																							Mechanical				Electrical				Communications				Security								
Current National Unit Of Competency	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Lead Designer	Checker	Proof Engineer	Independent Reviewer / Verifier	Approver	Designer	Lead Designer	Checker	Proof Engineer	Independent Reviewer / Verifier	Approver	Designer	Lead Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Lead Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Lead Designer	Checker	Independent Reviewer / Verifier	Approver	Lead Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Checker	Independent Reviewer / Verifier	Approver	Designer	Lead Designer	Checker	Independent Reviewer / Verifier	Approver
CP Engineer			X	X			X	X			X	X			X	X			X	X		X		X	X			X		X	X			X	X	X	X		X	X	X	X																																X	X	X	X
Tertiary Qualification - Masters or Bachelor Degree	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Professional Registered Engineer Victoria	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X					X	X	X	X	X	X	X	X	X	X	X	X						X	X	X	X
Record of Relevant Experience	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Endorsed Building Engineer Victoria																								X		X																																															X	X	X	X
Experience																																																																												
3 years																					X						X						X										X	X	X	X	X					X				X				X				X												
5 years	X				X				X				X				X					X	X					X	X									X										X	X				X	X			X				X				X			X	X	X	X	X				
10 years		X	X	X		X	X	X		X	X	X		X	X	X		X	X	X					X						X			X																X	X				X			X	X			X	X			X	X						X	X		
15 years																								X		X				X		X			X	X	X		X																																			X		
20 years																																								X	X	X																																	X	X

Notes