Engineering and Design Matrix

Version V1

March 2023

Rail Industry Worker	Electrical Networks																				Stuctures (Civil and Underground) - Buildings Requiring Building Surveyor/Certs in orange						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								
	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Lead Designer	Checker	Proof Engineer	Independent Reviewer	Approver	Designer	Lead Designer	Checker	Proof Engineer	Independent Reviewer	Approver	Designer	Lead Designer	Checker	Independent Reviewer	Approver	Designer	Lead Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Lead Designer	Checker	Independent Reviewer	Approver	Lead Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Checker	Independent Reviewer	Approver	Designer	Lead Designer	Checker	Independent Reviewer	Approver
Current National Unit Of Competency																																																																												
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
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
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
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
Endorsed Building Engineer Victoria																								X		X																																																	X	X	X	X
Rail Safety Workers Responsibilites Course (eLearns)	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	X	X	X
Experience																																																																												
3 years																																																								X				X				X												
5 years																						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		
15 years		X				X				X				X				X						X		X				X		X			X		X		X																																			X		
20 years			X	X			X	X			X	X			X	X			X	X																					X	X																																		X	X

Notes