ARTC Engineering and Design Matrix

EGP0103F-03

Rail Industry Worker Role

All roles in this matrix have four-year reassessment

Current Requirements	**Structures Design** (Notes 1,2)			**Track Design** (Note 1,2)			**Geotechnical Design** (Note 1,2)			**Civil Design** (Note 1,2 &5)			**Mechanical Design** (Note 1,2)			**Electrical Design** (Note 1,2)			**ICT Design** (Note 1,2)			**System/Safety Engineering** (Note 1,2)			**Infrastructure Construction /Maintenance Design** (Note 1,2)								**CER** (ARTC Employees only) (Note 1,2 &6)		**ICP** (Track Maintenance Vehicles) (Note 1,2,4 & 8)		
	Designer	Design Verifier/ Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/ Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/ Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/ Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/ Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/ Approver**(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Designer	Design Verifier/Approver **(Note 7)**	Scoping/Acceptance of Design **(ARTC Employees only)**	Supervision of Major Construction	Major Construction Verification - Path 1	Major Construction Verification - Path 2	Supervision of Medium Construction	Medium Construction Verification - Path 1 **(Note 3)**	Medium Construction Verification - Path 2 **(Note 3)**	Supervision of Minor Construction/Maintenance	Minor Construction/Maintenance Verification **(Note 3)**	Civil Engineering Representative (CER) Path 1	Civil Engineering Representative CER) Path 2	Independent Competent Person (ICP) Path 1	Independent Competent Person (ICP) Path 2**(Note 7)**	Independent Competent Person (ICP) Path 3
CPEng/NER/RPEQ/RPEV		×			×			×			×			×			×			×			×												×	
Tertiary Qualification - Engineering Bachelor Degree			×			×			×			×			×			×			×			×									×		×		
Tertiary Qualification - Engineering Bachelor Degree/Technologist/Associate	×			×			×			×			×			×			×			×				×			×							×
Drawing Management System ARTC elearning	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Current CV	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Record of Relevant Experience (RORE)	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
2 YEARS	×			×			×			×			×			×			×			×				×			×			×					
5 YEARS			×			×			×			×			×			×			×			×									×				
7 YEARS		×			×			×			×			×			×			×			×			×			×		×					×	
10 YEARS																											×								×		
15 YEARS																																	×				×

Notes:

1. Record of Relevant Experience (RORE) form is available on the ARTC Website
2. E-learning is available on ARTC's Learning Management System
3. This role/competence can be accepted by completing a higher role. For example, a Major verification role would be acceptable for Medium and Minor, and Medium would be acceptable for Medium and Minor verification role
4. Qualifications to be related to vehicles or mechanical engineering
5. Hydraulic, Hydrological and Environmental engineering roles to be included in this discipline for Rail Safety Workers
6. ARTC Employees only; To attain these roles request a copy of the completed competency assessment document from standards@artc.com.au
7. Expiry periods for the **Engineering Qualifications** CPENG/NER/RPEQ/RPEV are determined by the issuer
8. Applicants for the ICP–TMV role must initially also complete EPP3201F-04 Assessment of Track Maintenance Vehicle Independent Competent Person. EPP3201F-04 should be assessed and approved by Operational Standards OpStandards@ARTC.com.au before including in the RIW submission

For further information refer to ARTC Standard EGP-01-03