

TO	Network Wide
FROM	Head of Engineering Standards
DATE	06/06/2024
SUBJECT	EGP-04-01 ARTC Engineering Drawings and Documentation – Technical Note
TITLE	EGN-04-01 Technical Note - Alternate Scope and Drawing Acceptance Competency for Larger and More Complex Projects

References

EGP-04-01 Eng Drawings and Documentation

Background

The current design scope/design drawing acceptance was developed for smaller and specific type design projects where an ARTC discipline engineer could ensure suitable design specification/drawings would comply with ARTC engineering, technical Standards, ARTC technical competency framework and project requirements.

Larger and more complex projects (MPM, Capital Works, Corridor Recovery Works etc.) incorporate many more requirements, engineering disciplines, interface points and outputs. A different approach to design scope and design drawing acceptance is required. In these cases, an established process is managed to ensure design scope/design drawings have suitable design specification/drawings which comply with ARTC engineering, technical Standards, ARTC technical competency framework and project requirements.

Scope

This extract shall serve as an addendum to EGP-04-01 until this standard is updated. **This extract does not apply to Signalling scope or drawing acceptance.**

In the larger project cases, design scope and design drawing acceptance (IFC, As Commissioned and As Builds) is provided by the responsible Engineering Manager. The Engineering Manager or delegate shall meet **ALL** the below conditions as required:

- Hold “Any Discipline Scoping/Acceptance of Design” role in RIW.
Person understands the technical aspects of scope and design acceptance.
- Hold “Design Manager” role in RIW.
Person understands scope development and design management.
- Scope Development/Design Management Plan or equivalent acceptable to the Engineering Manager (not delegate). (e.g. EGP20-01 Project Management Plan, EGW-03-04 CCB, IR CCB Process)
This outlines the competencies of the resources being used, the process for design development, multi discipline assurance and the engineering processes being applied.
- Monitors and has influence on the plan’s design execution.
This ensures the plan is followed or highlighted if not.
- Engineering Manager selects delegate on a project-by-project basis, based on complexity and risk and this is documented in the Project Management Plan.
Selecting the correct person is beyond the competency matrix and relies on many factors the Engineering Manager will consider.
- Engineering Manager is the escalation point if the above conditions are not met.
- Applies to the below Engineering Manager Roles (or equivalent where role titles change):
 - Program Engineering Manager IR
 - Head of Engineering & Design IR
 - Manager Engineering HV
 - Manager Engineering IS