### Guide to Rail Investment Process (GRIP)

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#### GRIP Stage 1
**Output definition**

**AIM:** Define the output for the project. For example, connect new terminal.

**MAIN OUTPUT:** Define the needs and requirements – the opportunity.

#### GRIP Stage 2
**Feasibility**

**AIM:** Define the scope of the investment and identify constraints. Confirm that the outputs can be economically delivered and aligned with network strategy.

**MAIN OUTPUT:** Identifying solutions in response to the requirements.

#### GRIP Stage 3
**Option selection**

**AIM:** Develops options for addressing constraints. Assesses and selects the most appropriate option that delivers the stakeholders' requirements together with confirmation that the outputs can be economically delivered.

**MAIN OUTPUT:** Single option determined and stakeholder approval to option secured through Approval in Principle [AIP].

#### GRIP Stage 4
**Single Option Development**

**AIM:** Initiation of the development of the chosen single option.

**MAIN OUTPUT:** Reference / outline design.

#### GRIP Stage 5
**Detailed Design**

**AIM:** Produces a complete, robust engineering design that underpins definitive cost / time / resource and risk estimates.

**MAIN OUTPUT:** Full design to which the project will be built.

#### GRIP Stage 6
**Construction, Test and Commission**

**AIM:** Delivery to the specification and testing to confirm operation in accordance with design.

**MAIN OUTPUT:** Project built, tested and commissioned into use.

#### GRIP Stage 7
**Scheme Handback**

**AIM:** Transfer asset responsibility from the project team to the operator and maintainer.

**MAIN OUTPUT:** Project handed over to operator and maintainer.

#### GRIP Stage 8
**Project Closeout**

**AIM:** Closeout in an orderly manner. Contractual accounts are settled and any contingencies or warranties are put into place. Assessment of benefits is carried out.

**MAIN OUTPUT:** Project formally closed out and project support systems formally closed.