



Rethinking safety through
INCLUSION
+
WELLBEING

RAIL

ELEMENT 17C

20/10/2023

MODIFICATION OF ROLLING STOCK

PURPOSE AND SCOPE

The purpose of this Procedure is to advise Laing O'Rourke personnel involved in the modification of rolling stock of the processes to be applied during the modification phase.

This Procedure applies to all items of rolling stock purchased by Laing O'Rourke for the railway operations they will be engaged in and covers all States and Territories throughout Australia.

Whilst the modification process will be generic across the country there will be specific requirements set by the relevant Rail Infrastructure Manager for the network on whose railway the rolling stock will operate.

1.0 PROCEDURES

Design control procedures have been developed as a separate Procedure **Element 17F Design Management of Rolling Stock** to enable the management of the design function for rolling stock to be applied.

When rolling stock needs to be modified or reconstructed the following must be incorporated in the process:

- Application of the Management of Change (MoC) process. Refer to **Element 11 Management of Change**.
- Undertaking a detailed risk analysis using the **Rolling Stock Modification Checklist**.
- Consideration of the effects of the proposed modification on the railway operations overall.
- The need to design, implement and commission all or part of the modification or rebuild.
- The need to record and distribute/publish changes and modifications where they affect operational safety.

Where rolling stock has been modified, they require certification in the form of an Engineer's Report which needs to comply with the relevant legislation standards.

2.0 LEGISLATION, GUIDES AND STANDARDS

- Rail Safety National Law
- ONRSR Guideline Preparation of a Safety Management System
- RISSB Rolling Stock Standards
- Network owners Rolling Stock Standards
- Network owners Train Operating Conditions Manual (Where relevant)
- Manufacturer's standards and operators manual
- AS-7472 2018 Railway operations management of change
- Element 11 Management of Change (MoC)

3.0 FORMS, TEMPLATES AND RECORDS

The following Records will be retained / produced in accordance with this Procedure:

- MoC Control Form and MOC Implementation Action Plan
- Rolling Stock Modification - Checklist
- Inspection and test plans
- Engineers Reports as required
- Rail Infrastructure Managers Registration
- Risk Assessment SFAIRP