PS RAILWAY OPERATIONS

PURPOSE AND SCOPE
The intent of this document is to provide guidance on measures that will reduce the risk of fatalities, injuries and events arising from work associated with Laing O'Rourke's railway operations.

CRITICAL CONTROLS
- Safeworking systems applied to protect personnel and plant from trains and track machines on the railway line work is being performed
- Safeworking systems applied to protect personnel and plant from trains and track machines on the adjacent railway line
- Worksite delineation applied to protect workers from other railway operations nearby
- Safe systems of work applied when plant and personnel required to work in electrified area or close to services
- All rollingstock to be operated in association with the planned works conforms to the standards relevant to the railway they are to operate on
- Fitness for work is verified for all persons on site as well as required rail safety worker competencies held
- Effective communication in place Protection Officer, Rolling Stock Operators, work crews and Network Control

ADDITIONAL LOCAL CONTROLS
- Have processes been determined that allows the rolling stock access to the network owners railway for all railway operations to be undertaken
- Has it been determined in contractual documents or other recorded documents whose rail accreditation will apply and whose safety management system will apply
- All persons deemed to be undertaking Rail Safety work have their competencies verified and their performance monitored
- Persons with assigned Safeworking roles are qualified at the appropriate level and meet prequalification criteria on route knowledge and currency of competence
- All medium, high and critical safety and rail safety risks are identified and documented in a risk register or workplace risk assessment
- FSRs are addressed within the risk register or workplace risk assessment, particularly plant and people interface

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• Work health safety plans and rail safety plans are formulated to eliminate or minimise those risks as well as describe how the SMS of the respective rail transport operator is to be applied
• Fitness for work is verified for all persons on site-fatigue and impairment from drugs or alcohol
• Risk based health assessments are undertaken at prescribed intervals
• Fatigue risk management programs are developed to set the work rosters for all rail safety workers
• A drug and alcohol management program is applied at the project which could be that of the Rail Infrastructure manager
• Pre-work briefs are supported by the protection officer taking the work crew through the worksite protection Plan
• Applicable permits to work are in place prior to work commencing which will include electrical permits, confined space permits and permits to proceed for work in the rail corridor
• Safe access and egress is provided to all parts of the site as well as a safe place being identified for rail safety workers to access
• Correct PPE is available and worn when required
• Interfaces with RIMs and rollingstock operators and other contractors are established and maintained
• So far as is reasonably practicable, work areas are fenced or barricaded to prevent unauthorised entry
• Provide adequate lighting for works in night possessions
• Appropriate areas are identified and utilised for the on or off railing of rail plant
• All rail signals are obeyed during train movements or rolling stock operation

SAFETY MANAGEMENT SYSTEM for RAILWAY OPERATIONS

In terms of rail safety there are 29 elements that need to be applied to mitigate the risks associated with the railway operations to be undertaken. How these are specifically addressed at a project is outlined in the Project Rail Safety Management Plan. The template for this plan is available from the Next Gear HSEMS website on the PS Rail Operations page.

Below is a list of the documents that support the regulatory requirements for each of the 29 elements which for "Rail" specific issues are shown in the LORA HSEMS as an element E:

1 - Safety Policy
2 - Safety culture (covered in SR Next Gear)
3 - E03 Governance and Internal Control Arrangements
4 - E04 Management Accountabilities, Responsibilities and Authorities
5 - Regulatory Compliance (covered in SR Legal Obligations and Records Management)
6 - Document Control (covered in the LORA Quality systems)

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7 - Review of the SMS (contained in E-P-8-0121 Management Review)
8 - E08 Safety Performance Measures
9 - Safety Audits and Inspections (contained in SR Inspections, Audits and Corrective Actions)
10 - Corrective Actions (contained in SR Inspections, Audits and Corrective Actions)
11 - Change management (contained in SR Change Management)
12 - Consultation (contained in SR Consultation and HS Meetings)
13 - Internal Communications (addressed through iGate and supporting LORA processes)
14 - E14 Risk Management for Railway Operations
15 - E15 Human Factors
16 - E16 Procurement of Rolling Stock
17 - E17 General Engineering & Operational System Safety Requirements
18 - E18 Process Control
19 - E19 Asset Management of Rolling Stock
20 - E20 Interface Management
21 - E21 Notifiable Occurrences and Railway Incident Investigations
22 - E22 Rail Safety Worker Competence
23 - E23 Security Management
24 - E24 Emergency Management Plan
25 - E25 Fatigue Management
26 - E26 Drugs and Alcohol
27 - E27 Health and Fitness
28 - Resource Availability (contained within LORA Core and Enabling Processes)
29 - Training and Instruction (contained in the element within the overall SMS for Railway Operations)

LEGISLATION
Work Health & Safety Regulation 2011 (QLD, ACT), 2012 (SA) and 2017 (NSW, NT)
Occupational Safety & Health Regulation 1996 (WA)
Occupational Health and Safety Regulations 2017 (Victoria)
Rail Safety National Law Act (various states)
Rail Safety National Law Regulation (various states)
FORMS AND TEMPLATES

E-T-8-0938 Risk Assessment
E-T-8-0971a Safe Work Method Statement
E-T-8-0971b SWMS Review Checklist
E-C-8-1917N3 Pre-work brief
E-C-8-1917N4 Worksite Protection Plan

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