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Specialists in Strategic, Enterprise and Project Risk Management

ACTIVITIES IN THE RAIL SECTOR

1 General Matters

Members of the Broadleaf team have a long association with the rail sector.

Broadleaf is a member of the RailCorp Safety Professionals Panel, established in 2007.

Dr Dale Cooper is an independent member of the Board Finance and Audit Committee of the Transport Infrastructure Development Corporation (TIDC), formerly the Parramatta Rail Link Corporation.

2 Specific Projects

Project	Summary
Australian Rail Track Corporation	Development of the Risk Management Framework and Plan
Babcock & Brown: Unloader	Risk assessment of new rail unloading facilities at the Dalrymple Bay Coal Terminal
Channel Tunnel: Safety	Peer review and risk analysis for the UK Government of safety and risk studies conducted for the Channel Tunnel
CityRail: Budgets	Quantitative risk analysis of capital budgets
Coleman Rail: Safety	Corporate safety risk assessment for accreditation
Downer EDI Rail: ERM	Development and implementation of enterprise risk management processes
Downer EDI Rail: PPP	Risk assessments, development of risk management plan and risk management advice and assistance for the Reliance Rail passenger car acquisition project
FreightCorp: Fuel Miser	Risk assessment of a PLC-based locomotive fuel management system
FreightRail: Budgets	Quantitative risk analysis of revenue budgets
FreightRail: Train Inspection	Value management for an automatic freight train inspection station
FreightRail: Train Radios	Risk analysis for a project to install communication radios in long-distance rural trains
Industry alliance	Quantitative risk analysis in support of a rail maintenance contract bid
Industry consortium	Participation in a railway industry workshop to consider new Rolling Stock Codes of Practice
Leighton Asia	Risk assessment for a new railway construction project in Taiwan

Project	Summary
Perisher Blue: Safety	Risk assessment on the Skitube rack railway, with an emphasis on safety risks and involving external stakeholders such as NSW Police and Fire Brigade. This also included a review of Skitube's Safety Management System
Private consortium: New railway	Qualitative risk assessment for a proposed Darwin-Adelaide railway
Queensland Rail: Safety	Trackside safety for trains entering worksites
Queensland Rail: Safety	Human factors task analysis for Signal Passed at Danger (SPAD) prevention
Queensland Rail: Safety	Wheel unloading of 4000 Class diesel locomotives
Queensland Rail: Safety	Analysis of derailments throughout Queensland operations
Queensland Rail: Train Avionics	Review and analysis of human factors aspects of locomotive cab design
RailCorp: Automated STN Exception Reporting	Identification and assessment of the risks involved with the proposed automated system and transitional arrangements, with a particular focus on safety. Most of the risks identified involved the manual reporting system, which meant that automating it would eliminate those risks
RailCorp: Lessons learned	Post-project completion review of lessons learned from the Cross City Tunnel project
RailCorp: Platforms	Risk assessment and review of controls for trains stopping at short platforms
RailCorp: Operations	Procedural Hazop and review of the application of the RailCorp Safety Management System in relation to horn procedures at the Macdonaldtown Stabling Yard
RIC: Possessions	Risk assessment for Inner West track possessions reduction
RIC: Possessions	Risk assessment of the Network Possessions Review Project, involving a series of stakeholders workshops – RIC, SRA, Office of the Coordinator-General, Transport NSW, Parramatta Rail Link – followed by a series of treatment workshops involving participants from the seven working parties attached to the project.
RIC: PRL Interface	Risk assessment of controls over designs and specifications for the Parramatta Rail Link and implications for RIC as the designated authority
RIC: Track Inspections	Mechanised track inspections risk assessment and management
RIC: Vertical Split Heads	Root cause analysis, risk assessment and priority setting for vertical split head problems
RSA: Maintenance	Reviews of risks associated with several outsourced railway line, signal and infrastructure maintenance arrangements
Speno: Safety	Operational safety risk assessment for accreditation
Spoornet	Risk assessment on dangerous goods transportation and development of safe routing advice
SRA: Macdonaldtown	Risk assessment of the Macdonaldtown Turnback and Crossover Projects

Project	Summary
SRA: Millennium Train	Risk assessment of the differences in the crew cab equipment on the existing and Millennium Train rolling stock, including a combined brake/power controller and Train Operating System (TOS) screens, and associated crew training. This assessment involved identifying all the equipment that was different within the crew cabs and defining whether its impact was better or worse or neutral. The risk assessment exercise was especially successful due to the involvement of 9 drivers, guards and union representatives alongside the project team. It provided a forum for issues to be communicated between project and crew (who were the main stakeholders) and was surprising in its uniting of views on each issue. The process meant that virtually all stakeholders 'owned' and accepted the outcomes of the risk assessment and could work together as one team to get the best outcomes.
Thiess: Maintenance	Risk assessment of several outsourced railway line, signal and infrastructure maintenance proposals
TIDC: Budget	Quantitative risk analysis of budget contingencies
TIDC: Evaluations	Participation in tender evaluations and tender evaluation reviews for major contracts, including the original PRL proposal and the ECRL, as well as additional associated contracts and contracting strategies
TIDC: PPP	Review of risk allocation between Government and the private sector for PPP proposals, including station and transport interchange developments
Transnet: ERM	Enterprise risk management development for Transnet, including Spoornet
UK Health & Safety Commission	Leadership of technical review into 'Transport of Dangerous Substances in the UK' by road and rail
United Group: Relocation	Relocation risk assessment and hazard study for MainTrain project
Vic Dept of Infrastructure: MTSC	Risk assessment for the Metropolitan Train Safety Communications System
Vic Dept of Infrastructure: TCMS	Risk assessments for the potential suppliers for the Train Control and Monitoring System and a project implementation risk assessment
Vic Dept of Infrastructure	Drafting of the DOI Risk Management Framework and a portfolio risk assessment for the Public Transport Division
Vic Public Transport Corp	Risk assessment for the Jolimont Rationalisation Project and associated Train Management Facility

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