

Recommendation(s) Status: Collision at London Waterloo

This report is based on information provided to the RAIB by the relevant safety authority or public body.

The status of implementation of the recommendations, as reported to us, has been divided into eight categories:

Key to Recommendation Status

Implemented:	All actions to deliver the recommendation have been completed.
Implemented by alternative means:	The intent of the recommendation has been satisfied in a way that was not identified by the RAIB during the investigation.
Implementation ongoing:	Work to deliver the intent of the recommendation has been agreed and is in the process of being delivered.
Insufficient response:	The end implementer has failed to provide a response; or has provided a response that does not adequately satisfy ORR that sufficient action is being taken to properly consider and address a recommendation.
Progressing:	The relevant safety authority has yet to be satisfied that an appropriate plan, with timescales, is in place to implement the recommendation; and work is in progress to provide this.
Non-implementation:	Regulation 12(2)(b)(iii) = recommendation considered and no implementation action to be taken.
Closed - carry forward:	ORR intends to take no further action as it has been superseded by another recommendation.
Awaiting response:	Awaiting initial report from the relevant safety authority or public body on the status of the recommendation.

RAIB concerns on actions taken by organisations in response to recommendations are reflected in this report and are indicated by one of the following:

Red – RAIB has concerns that no actions have been taken in response to a recommendation.

Blue – The blue triangle shows recommendations where the RAIB has concerns that the actions taken, or proposed, are inappropriate or insufficient to address the risk identified during the investigation.

White – The white triangle shows recommendations where the RAIB notes substantive actions have been reported, but the RAIB still has concerns.

Recommendation Status Report



Report Title	Collision at London Waterloo
Report Number	19/2018
Date of Incident	15/08/2017

Rec No.	Status	RAIB Concern	Recommendation	RAIB Summary of current status
19/2018/01	Implemented	None	<p>The intent of this recommendation is to ensure that the competence of signalling staff includes the attitudes and depth of understanding that is needed to properly appreciate the importance of applying all the relevant design, installation and testing processes. It is expected that effective implementation by Network Rail will necessitate input from the Institution of Railway Signal Engineers, signalling contractors and other infrastructure managers.</p> <p>Network Rail should take steps to reinforce the attitudes and depth of understanding needed for signal designers, installers and testers to safely apply their technical skills and knowledge. These steps should include:</p> <p>I the education of existing staff and their managers, and future recruits, to promote a better understanding of industry processes, and an improved understanding of how the lessons learnt from previous accidents have shaped today's good practice;</p> <p>I the enhancement of processes for the assessment, development and ongoing monitoring of the non-technical skills of signal designers, installers and testers; and</p>	<p>ORR has reported that Network Rail has reported that it has completed actions taken in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>

Recommendation Status Report



			I measures to monitor and encourage compliance with process, and safe behaviours on projects.	
19/2018/02	Implemented	None	<p>The intent of this recommendation is for OSL to implement actions already started (paragraphs 197 and 198) in respect of non-technical skills relevant to its staff in advance of any relevant actions triggered by implementation of Recommendation 1.</p> <p>OSL Rail Ltd should enhance its existing processes for the assessment, development and ongoing monitoring of those staff who undertake signalling works so as to ensure that they have the depth of understanding, attitudes and non-technical skills that are needed to deliver work safely. Areas of enhancement should include the skills needed for effective communication and safe decision making in complex project environments.</p> <p>This recommendation may apply to other signalling design, installation and testing organisations.</p>	<p>ORR has reported that Network Rail has reported that it has completed actions taken in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>
19/2018/03	Implemented	None	<p>The intent of this recommendation is for Mott MacDonald Ltd to take action in respect of non-technical skills relevant to its staff in advance of any relevant actions triggered by implementation of Recommendation 1. It differs from Recommendation 2 by omitting explicit reference to communication because the RAIB Waterloo investigation did not link MML to communication issues. However, the recommendation covers all aspects of non-technical skills and implementation is expected to include consideration of communication issues.</p> <p>Mott MacDonald Ltd should enhance its existing processes for the assessment, development and ongoing monitoring of those staff who undertake signalling works so as to ensure that they have the depth of</p>	<p>ORR has reported that Network Rail has reported that it has completed actions taken in response to this recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>

Recommendation Status Report



			understanding, attitudes and non-technical skills needed to deliver work safely. Areas of enhancement should include the skills needed for safe decision making in complex project environments.	
--	--	--	--	--