

# Recommendation Status Report



<b>Report Title</b>	Electrical arcing and fire under a train near Windsor & Eton Riverside
<b>Report Number</b>	18/2015
<b>Date of Incident</b>	30/01/2015

Rec No.	Status	RAIB Concern	Recommendation	RAIB Summary of current status
18/2015/01	Implemented	None	<p>The intent of this recommendation is to improve the quality, and thus the safety, of rail vehicle and component conversion and overhaul work carried out at Wabtec, Doncaster.</p> <p>Wabtec Rail Ltd should review and improve its production quality assurance arrangements to include, but not necessarily be limited to, the development of statistical confidence levels for verification of work carried out, and the provision of work instructions issued to the shop floor that are complete and suitable for the task (paragraphs 161a.i, 161a.ii, 163b).</p>	<p>ORR has reported that Wabtec Rail Ltd has reported that it has completed actions taken in response to this recommendation.</p> <p>ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>
18/2015/02	Progressing	None	<p>The intent of this recommendation is to confirm that the risk associated with the design of the cable junction box on the class 458 unit has been reduced to a level that is as low as reasonably practicable.</p> <p>South West Trains, in conjunction with Alstom and Porterbrook, should review the electrical and mechanical protection for the shoe cables, the bus line and the joint between them on the class 458/5 units, establish whether there are any reasonably practicable changes that can be made to the design of the joint to address the risk arising from failure of any associated components or assemblies, and implement any necessary modifications (paragraph 161d).</p> <p>Note: This recommendation may also apply to other operators, owners and manufacturers of electric trains.</p>	<p>ORR has reported that South West Trains has a proposed action plan and timescale for delivery to be taken in response to the recommendation.</p> <p>ORR will advise RAIB when actions to address this recommendation have been completed.</p>
18/2015/03	Implemented	None	<p>The intent of this recommendation is to minimise the risk associated with the possible loss of emergency lighting in a train with people on board.</p> <p>South West Trains should review the need for the function that automatically shuts</p>	<p>ORR has reported that South Western Railway has reported that it has completed actions taken in response to this</p>

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			<p>down the class 458/5 train after 15 minutes if traction supply is lost and no cab is in service, and 90 minutes after traction power is lost with a cab in service, and assess the risk represented by the operation of this function in circumstances where passengers or other people (such as the emergency services) may still be on the train. It should implement any actions identified by this review (paragraph 162a).</p>	<p>recommendation. ORR proposes to take no further action unless they become aware that the information provided becomes inaccurate.</p>
18/2015/04	Implemented	None	<p>The intent of this recommendation is to clarify the rules on the type of switch-off or isolation that is required for passenger evacuation from trains on third rail lines, to reduce delays and potential for uncontrolled egress by passengers.</p> <p>Network Rail, in consultation with those Train Operating Companies which operate passenger trains on the DC electrified networks, should assess the adequacy of the present rules relating to the evacuation of DC electric trains, and propose to RSSB any appropriate changes to module DC of the rule book to minimise the risk of uncontrolled evacuation after an incident has caused a stoppage of trains. Consideration should be given to whether there are circumstances under which it is better to permit a controlled evacuation of passengers under the protection of an emergency switch-off, rather than a temporary isolation (paragraph 163c).</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>