

Deviation Certificate

(In accordance with the Railway Group Standards Code and Standards Manual)

Deviation number: 17-087-DEV

1. Problem statement

In order to accommodate the turn back of 11 x Car Class 390 (Virgin Trains) services at Liverpool South Parkway during blockades, Liverpool South Parkway Platform 4 will be temporarily extended towards London using a temporary scaffold solution.

There are three existing Overhead Line Electrification (OLE) stanchions (L187/38, L187/36 & L187/35) which will protrude through the temporary platform extension; these stanchions will be located less than 2000 mm from the platform edge.

2. Title of deviation certificate

Liverpool South Parkway Station; Platform 4 Temporary Extension: Isolated columns on platforms.

3. What is the requirement you can't comply with?

Requirement Number:	Document Number:	Issue Number:	Issue Date:	Title of document:
6.5.3	GIRT7016	Five	01/03/2014	Interface between Station Platforms, Track and Trains

6.5.3 Where particular site constraints prevent compliance with clause 6.5.2 of this document, isolated columns for new lighting, signs or other equipment (for example, stop markers) or alterations (as defined) to such items shall be located not less than 2000 mm from the platform edge.

4. Why can't you comply with the existing requirement?

Liverpool Lime Street Station is to be extensively remodelled and re-signalled, with the control area transferring to the Liverpool Workstation within the Manchester Rail Operating Centre (MROC).

As part of the construction of the remodelling scheme works there will be two full blockades of Liverpool Lime Street Station. During the blockades, train services usually entering Liverpool Lime Street will be required to terminate at Liverpool South Parkway station.

In order to accommodate the turn back of 11 x Car Class 390 (Virgin Trains) services at Liverpool South Parkway during the blockades, Liverpool South Parkway Platform 4 will be extended towards London using a temporary scaffold solution.

The temporary extension of Platform 4 will be built to extend the operational length from 137m to 268m. This platform extension will be used for a total of 12 weeks over two separate blockades of 8 and 4 weeks.

5. Where can't you comply with the requirement?

Liverpool South Parkway Station; Platform 4 Temporary Extension: Isolated columns on platforms.

6. What are you proposing to do instead of the existing requirement?

During the Hazard Identification and Risk Workshop, with representatives from the Network Rail Project Team, Civil Engineering Designers, Principal Contractor, Merseyrail (Station Operator), and the affected Train Operating Companies (TOCs), a number of mitigations to reduce risk to As Low As Reasonably Practicable (ALARP) were identified:

- Signal Sighting Committee to be convened to define correct stopping points for all rolling stock that will use the platform extension (class 390/0 and class 390/1);
- Virgin Trains to use manually propelled service trolleys or carry out double-loading of trolleys at Euston station;
- Provision of yellow hatching on the extended platform surface between each stanchion and the platform edge;
- Provision of conspicuous (yellow and black striped) marking to each stanchion;
- Widen the temporary platform around the rear of each stanchion in order to provide at least 2.5 m width;
- Existing platform edge tactile surface to be continued along the platform extension;
- Provision of safety signage for the reduced clearance areas;
- Provision of warning signage to each stanchion;
- Anti-climb guards to be fitted to each stanchion;
- Compliant lighting to be installed along the full length of the platform extension;
- Network Rail Built Environment Accessibility Panel (BEAP) to be consulted regarding the adequacy of the mitigations;
- A 'PED flow' assessment has been carried out for the extended platform, which confirms no congestion issues;
- Implementation of a passenger management plan at Liverpool South Parkway during the two blockade periods, which will involve passengers waiting in the lounge until a train has arrived;
- Close Circuit Television (CCTV) and Public Address (PA) to be extended along the full length of the platform extension;
- Station staff briefings to be carried out prior to each blockade;
- Protective 'Rhino barrier' to be installed behind the platform extension adjacent to the station car park;
- End of platform extension to be fenced off in accordance with standards and warning signage to be fitted;
- Liverpool South Parkway evacuation plan to be updated to cover the blockade situations;
- Platform 4 to be used exclusively by Virgin Trains Class 390s during the blockades;

- Platform extension will be fenced off (with security gate and trespass guard) outside the times of the blockades.

All the above mitigations will be actioned prior to the Platform 4 temporary extension being placed into service.

Please refer to: 132627 Liverpool Lime Street Remodelling and Edge Hill Recontrol Project - Liverpool South Parkway Platform 4 Temporary Extension Risk Assessment Report, Reference 132627/HAZMIN/190517, Issue 1.0.

7. How long would you like the deviation to last and is there anything that would affect the length of the deviation?

Start date	End date
13/11/2017	30/07/2018

To allow time to comply with the requirement at a future date.

8. Demonstrate that what you are proposing to do instead is reasonable.

Please refer to: 132627 Liverpool Lime Street Remodelling and Edge Hill Recontrol Project - Liverpool South Parkway Platform 4 Temporary Extension Risk Assessment Report, Reference 132627/HAZMIN/190517, Issue 1.0.

9. Demonstrate consultation with all affected parties has been carried out and their agreed support.

Virgin West Coast Trains Limited and Merseyrail (Station Operator) attended the Hazard Identification and Risk Assessment Workshop held on 19/05/2017 and their letters of support have been included in the supporting information.

10. What alternative options have been rejected and the rationale?

N/A

11. What supporting documents/information are you providing?

Attachments:

- 1) Merseyrail's letter of support dated 14/06/2017;
- 2) West Coast Train's email of support dated 12/06/2017;
- 3) Risk Assessment report Ref. 132627/HAZMIN/190517 Issue 1.0 dated 09/06/2017: 132627 Liverpool Lime Street Remodelling and Edge Hill Recontrol Project, Liverpool South Parkway Platform 4 Temporary Extension Risk Assessment Report;
- 4) Drawing No. 132627-ATK-DRG-ECV-400000 Revision B0.1 dated 12/05/2017: Liverpool South Parkway WJL3 187M1694, Platform 4 extension - General Arrangement;
- 5) Drawing No. 132627-ATK-DRG-ECV-400001 Revision B01 dated 12/05/2017: Liverpool South Parkway WJL3 187M1694, Platform 4 Extension Sections 1;



6) Drawing No. 132627-ATK-DRG-ECV-400002 Revision B01 dated 12/05/2017: Liverpool South Parkway WJL3 187M1694, Platform 4 Extension Sections 2;

7) Drawing No. 132627-ATK-DRG-ETR-470003 Revision P03 dated 12/05/2017: Permanent Way, Liverpool South Parkway - Pendolino arrangement;

8) Drawing No. 132627-ATK-DRG-ETR-470004 Revision P02 dated 06/02/2017: Permanent Way, Liverpool South Parkway - Pendolino arrangement 1 of 2 (9-car);

9) Drawing No. 132627-ATK-DRG-ETR-470005 Revision P02 dated 06/02/2017: Permanent Way, Liverpool South Parkway - Pendolino arrangement 2 of 2 (9-car).

12. Is the certificate for a project requiring authorisation for placing in service under the Railways (Interoperability) Regulations 2011?

No

13. Applicant details and status

Applicant job title	Applicant company/organisation	Applicant company/organisation address
Route / Project Contact	Network Rail	The Quadrant: MK, Desk MIK-03-B-16, Elder Gate, Milton Keynes MK9 1EN

Applying as:

- The party who must currently comply, or may reasonably be expected to have to comply in the future, with the requirement.

Your reference number

Tracker No. 31602

Applicant's signature	Head of Civil Engineering	Date	27/07/2017
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Name of Committee	Date of meeting	Minute reference
Infrastructure	20/09/2017	17/INS/09/162

Authorised by Director of Standards:	Date of Authorisation:
Approval No. 1583	13/11/2017