June 2021 ACS Rail Updates

Welcome to the **June 2021** edition of ACS Rail updates.

The following pages contain summaries of updates which may be relevant to you. Please brief and distribute this information to the relevant people as per your internal procedures.

The ACS Team

> **BRIEFING REQUIREMENTS:**
>
> **NOTE**: Contractors are responsible for arranging and undertaking and recording their own Safety and Awareness Briefings in accordance with their own processes and procedures.

Standards Updates

Changes to Network Rail Standards
Issue 120: 05th June 2021 – 03rd September 2021

Making sure you are aware of the relevant standards
Every employee has a duty to comply with any mandatory Network Rail company standards and procedures relevant to their role. It is vital therefore that all employees are aware of which standards are relevant to their area of work, and where to find them.

Welcome to the Network Rail Standards Portal

Network Rail Standards are now made available free of charge to all Network Rail suppliers and partner organisations via this online portal:

https://global.ihs.com/csf_home.cfm?&csf=NR

For this access you will need to do the following:
- Create an online account by clicking My Account and selecting Create New Account.
- Search for the standard(s) that you wish to obtain and click Add to Cart
- When you have finished shopping, click on Cart then click on View Shopping Cart
- In the Membership Information section of the shopping cart, enter your Company Registration Number in the Membership# box and click the Add button

At that point, a 100% discount will be applied to your order, and you may proceed to checkout. All first-time users will need to be verified for eligibility before receiving the standard(s) ordered. This may take up to seven days. Once your eligibility has been verified you will receive an e-mail with a link to the PDF of the standard.

NOTE: Organisations with access to the online collection of Network Rail Standards delivered via IHS Markit's Engineering Workbench platform should continue to access standards via that service.

Other Information

Network Rail Standards Subscriptions
IHS Global Ltd
Phone: 01344 328000 or email
customer.support@ihs.com

Network Rail Standards & Controls Publications Manager
Neil Whitaker
Phone: 01908 782564

Network Rail Technical Drawings
National Records Group
Email: nrgcivils@networkrail.co.uk

Network Rail Standards Hard Copy Document Centre
IHS Retail
Phone: 01344 328039
Fax: 01344 328005 or email:
emeastore@ihs.com

Railway Group Standards
Rail Safety & Standards Board Enquiry Desk
Phone: 020 3142 5400 Website
www.rssb.co.uk

You must make sure that the team and the activities for which you are responsible comply with the Network Rail company standards and procedures. By doing this, you will be complying with the Network Rail Health & Safety Management System and relevant legislation.

The following pages contain summary extracts of the changes / new issue to the Network Rail Company Standards which may be relevant to you.

Standards Updates

New and Up-Issued Standards

References	Title	Replaces
NR/GN/CIV/065 Issue 1	Examination of Earthworks Guidance Manual	new
NR/GN/CIV/200 Issue 3	Station Design Manual	NR/GN/CIV/200 Issue 2
NR/GN/SIG/CAT005 Issue 55	Index of Network Rail Documents Relating to Signalling and Communications Equipment	NR/GN/SIG/CAT005 issue 54
NR/L1/ELP/27000 Issue 4	Policy Requirements for Electrical Power Assets	NR/L1/ELP/27000 Issue 3
NR/L2/CIV/086 Issue 10	Management of Earthworks Manual	NR/L2/CIV/086 Issue 9
NR/L2/CTM/220 Issue 2	Competence & Training in Portable, Transportable & Mobile Plant (PTMP) Operation & Activities	NR/L2/CTM/220 Issue 1
NR/L2/ELP/21088 Issue 4	General Maintenance Parameters for Overhead Line Electrification Equipment	NR/L2/ELP/21088 Issue 3
NR/L2/ELP/27172 Issue 1	Conductor Rail Guard Boarding	new
NR/L2/ENV/015 Issue 9	Environment and Social Minimum Requirements for Projects – Design and Construction	NR/L2/ENV/015 Issue 8
NR/L2/ENV/124 Issue 1	Managing Diesel Engine Exhaust Emissions within Stations and Depots	new
NR/L2/OHS/00127 Issue 1	Road Fleet Compliance	NR/L1/OHS/210 Issue 1
NR/L2/OHS/053 Issue 2	Assessing the Risk of Stress in the Workplace	NR/L2/OHS/053 Issue 1
NR/L2/OPS/250 Issue 8	Network Rail National Emergency Plan	NR/L2/OPS/250 Issue 7
NR/L2/OPS/292 Issue 1	Station Capacity and Crowd Management Business Process	new
NR/L2/P3M/220 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Integration	new
NR/L2/P3M/221 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Scope	new
NR/L2/P3M/222 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Time	new
NR/L2/P3M/223 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Cost and Commercial	new
NR/L2/P3M/224 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Risk	new
NR/L2/P3M/225 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Assurance	new
NR/L2/P3M/226 Issue 1	Project Acceleration in a Controlled Environment (PACE) – Manage Stakeholders	new
NR/L2/RMVP/0172 Issue 3	Management of the Control and Calibration of Inspection, Measuring and Test Equipment	NR/L2/RMVP/0172 Issue 2
NR/L2/SIG/11201 Issue 14	Signalling Design Handbook	NR/L2/SIG/11201 Issue 13
NR/L2/SIG/19820 Issue 7	Signalling and Level Crossing Product Specifications	NR/L2/SIG/19820 Issue 6
NR/L2/SIG/30014 Issue 18	Signalling Works Testing Handbook	NR/L2/SIG/30014 Issue 17 RT/E/C/11724 Issue 1
NR/L2/TEL/30176 Issue 1	Telecoms Asset Data Requirements	new
NR/L2/TRK/001 Issue 18	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 17
NR/L2/TRK/001 Issue 19	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 18
NR/L2/TRK/038 Issue 7	Track Geometry: Management of Recording and of Intervention and Immediate Actions Limits	NR/L2/TRK/038 Issue 6
NR/L2/TRK/2102 Issue 10	Design and Construction of Track	NR/L2/TRK/2102 Issue 8
NR/L3/ELP/27052 Issue 6	Working Instructions for D.C. Electrified Lines on the Northern City Line	NR/L3/ELP/27052 Issue 5
NR/L3/ELP/27171 Issue 3	Electrical Insulating Gloves	NR/WI/ELP/27171 Issue 2
NR/L3/MTC/MG0213 Issue 18	Index of Standard Maintenance Forms	NR/L3/MTC/MG0213 Issue 17
NR/L3/MTC/RCS0216 Issue 21	Risk Control Manual	NR/L3/MTC/RCS0216 Issue 20
NR/L3/OPS/0064 Issue 6	Delivering Work within Possessions	NR/L3/INI/CP0064 Issue 5
NR/L3/OPS/045 Issue 17	National Operating Procedures Index	NR/L3/OPS/045 Issue 16
NR/L3/OPS/045 Issue 18	National Operating Procedures Index	NR/L3/OPS/045 Issue 17
NR/L3/OPS/250 Issue 1	National Emergency Plan Manual	RT/LS/P/250 Issue 2
NR/L3/P3M/131 Issue 3	Document Management Manual	NR/L3/INI/P3M/131 Issue 2
NR/L3/SCO/313 Issue 10	On-Track Machines (OTMs) Driver and Operations Standards Manual	NR/L3/SCO/313 Issue 9
NR/L3/SIG/0077 Issue 2	Signalling Pre-Commissioning Readiness Requirements	NR/L3/INI/CP077 Issue 1
NR/L3/TEL/30181 Issue 6	Telecoms Maintenance Work Instructions Handbook	NR/L3/TEL/30181 Issue 5
NR/L3/TRK/003 Issue 36	Index of Track Engineering Forms	NR/L3/TRK/003 Issue 35
NR/L3/TRK/7006 Issue 2	Creation and Application of ESR Design	NR/L3/TRK/7006 Issue 1

Standards Updates

Withdrawn, Closed and Superseded Documents

References	Title	Replaced by/Status
NR/GN/CIV/200 Issue 2	Station Design Manual	NR/GN/CIV/200 Issue 3
NR/GN/SIG/CAT005 Issue 54	Index of Network Rail Documents Relating to Signalling and Communications Equipment	NR/GN/SIG/CAT005 Issue 55
NR/L1/ELP/27000 Issue 3	Policy Requirements for Electrical Power Assets	NR/L1/ELP/27000 Issue 4
NR/L1/OHS/210 Issue 1	Management of Occupational Road Risk Policy	NR/L2/OHS/00127 Issue 1
NR/L2/CIV/086 Issue 9	Management of Earthworks Manual	NR/L2/CIV/086 Issue 10
NR/L2/CTM/220 Issue 1	Competence & Training in Portable, Transportable & Mobile Plant Operation	NR/L2/CTM/220 Issue 2
NR/L2/ELP/21088 Issue 3	General Maintenance Parameters for Overhead Line Electrification Equipment	NR/L2/ELP/21088 Issue 4
NR/L2/ENV/015 Issue 8	Environment and Social Minimum Requirements for Projects – Design and Construction	NR/L2/ENV/015 Issue 9
NR/L2/OHS/053 Issue 1	Assessing Risk of Stress in the Workplace	NR/L2/OHS/053 Issue 2
NR/L2/OPS/250 Issue 7	Network Rail National Emergency Plan	NR/L2/OPS/250 Issue 8
NR/L2/RMVP/0172 Issue 2	Management of the Control and Calibration of Inspection, Measuring and Test Equipment	NR/L2/RMVP/0172 Issue 3
NR/L2/SIG/11201 Issue 13	Signalling Design Handbook	NR/L2/SIG/11201 Issue 14
NR/L2/SIG/19820 Issue 6	Signalling and Level Crossing Product Specifications	NR/L2/SIG/19820 Issue 7
NR/L2/SIG/30014 Issue 17	Signalling Works Testing Handbook	NR/L2/SIG/30014 Issue 18
NR/L2/TEL/30110Issue 2	Specification for the Maintenance of CCTV Cameras	NR/L3/TEL/30181/015 Issue 1
NR/L2/TEL/30111Issue 2	Specification for the Maintenance of CCTV Monitoring Equipment	NR/L3/TEL/30181/016 Issue 1
NR/L2/TEL/30115Issue 2	Specification for the Maintenance of CCTV Video Recorders	NR/L3/TEL/30181/020 Issue 1
NR/L2/TRK/001 Issue 17	Inspection and Maintenance of Permanent Way	NR/L2/SIG/30014 Issue 18
NR/L2/TRK/001 Issue 18	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 19
NR/L2/TRK/038 Issue 6	Track Geometry: Management of Recording and of Intervention and Immediate Actions Limits	NR/L2/TRK/038 Issue 7
NR/L2/TRK/2102 Issue 9	Design and Construction of Track	NR/L2/TRK/2102 Issue 10
NR/L3/ELP/27052 Issue 5	Working Instructions for D.C. Electrified Lines on the Northern City Line	NR/L3/ELP/27052 Issue 6
NR/L3/INI/CP0064 Issue 5	Delivering Work within Possessions	NR/L3/OPS/0064 Issue 6
NR/L3/INI/CP077 Issue 1	Signalling Pre-Commissioning Verification Requirements	NR/L3/SIG/0077 Issue 2
NR/L3/INI/P3M/131 Issue 2	Document Management Manual	NR/L3/P3M/131 Issue 3
NR/L3/MTC/MG0213 Issue 17	Index of Standard Maintenance Forms	NR/L3/MTC/MG0213 Issue 18
NR/L3/MTC/RCS0216 Issue 20	Risk Control Manual	NR/L3/MTC/RCS0216 Issue 21
NR/L3/OPS/045 Issue 16	National Operating Procedures Index	NR/L3/OPS/045 Issue 17
NR/L3/OPS/045 Issue 17	National Operating Procedures Index	NR/L3/OPS/045 Issue 18
NR/L3/SCO/313 Issue 9	On-Track Machines (OTMs) Driver and Operations Standards Manual	NR/L3/SCO/313 Issue 10
NR/L3/TEL/30181 Issue 5	Telecoms Maintenance Work Instructions Handbook	NR/L3/TEL/30181 Issue 6
NR/L3/TRK/003 Issue 35	Index of Track Engineering Forms	NR/L3/TRK/003 Issue 36
NR/L3/TRK/7006 Issue 1	Creation and Application of Initial ESR Design	NR/L3/TRK/7006 Issue 2
NR/WI/ELP/27171 Issue 2	Issue, Storage and Routine Inspection and Testing of Rubber Gloves	NR/L3/ELP/27171 Issue 3
RT/E/C/11724 Issue 1	Signalling Works Test Specifications and Historical Test Value Data	NR/L2/SIG/30014 Issue 18
RT/LS/P/250 Issue 2	Emergency Response Manual	NR/L3/OPS/250 Issue 1

Standards Updates

Emergency Changes (Previously Known as Letters of Instruction)

To access any active Emergency Change you need to refer to its associated Network Rail Standard. The front page of the standard will provide details of the relevant change. When using the online service there will be an active link to each relevant change.

Reference	Title	Issue	Date
NR/BS/LI/471	Standard/control document affected: NR/L3/OPS/009 (Issue 4), Track Circuit Operating Device (T-COD) Identification of Locations for use	1	01/05/2021
NR/BS/LI/470	Standard/control document affected: NR/SP/ELP/21060 (Issue 2), Issue of Safety Documentation for Work on 650/750V dc Apparatus	1	19/04/2021
NR/BS/LI/468	Standard/control document affected: NR/L3/ELP/27241 (Issue 4), Fixed Plant Work Instructions	1	25/03/2021
NR/BS/LI/467	Standard/control document affected: NR/L2/ELP/27238 (Issue 7), Maintenance Specification for Fixed Plant Equipment	1	25/03/2021
NR/BS/LI/466	Standard/control document affected: NR/L2/ELP/21088 (Issue 4), General Maintenance Parameters for Overhead Line Electrification Equipment	1	25/03/2021
NR/BS/LI/465	Standard/control document affected: NR/SP/ELP/27224 (Issue 2), Specification for the installation of cable routes forming part of the traction distribution system	1	01/03/2021
NR/BS/LI/464	Standard/control document affected: NR/L3/ELP/27240 (Issue 11), Distribution Work Instructions.	1	08/03/2021
NR/BS/LI/462	Standard/control document affected: NR/L3/OPS/251 (Issue 3), Unmanned Aircraft System (Drone/UAS) Operations	1	08/12/2020
NR/BS/LI/461	Standard/control document affected: NR/L3/ELP/21067 (Issue 5), Instructions for making out, issuing and cancelling high voltage Permits to Work, Sanctions for Test and Circuit State Certificates	1	13/11/2020
NR/BS/LI/457	Standard/control document affected: NR/L3/ELP/29987 [Working On or About 25 kV a.c Electrified Lines]	1	22/12/2020
NR/BS/LI/456	Standard/control document affected: NR/L3/ELP/21067 (Issue 5), Instructions for making out, issuing and cancelling high voltage Permits to Work, Sanctions for Test and Circuit State Certificates	1	14/09/2020
NR/BS/LI/455	Standard/control document affected: NR/L3/OPS/045/3.17 Weather Arrangements (Issue 03)	1	14/09/2020
NR/BS/LI/454	Standard/control document affected: NR/L3/OPS/021 Module 13 Managing the Weather – Extreme Weather Response Process (Issue 01)	1	14/09/2020
NR/BS/LI/453	Standard/control document affected: NR/L3/OPS/021 Module 8 Managing The Weather - Earthworks (Issue 01)	1	18/08/2020
NR/BS/LI/448	Standard/control document affected: NR/L2/CTM/025 (Issue 1), Competence & Training in On-Track Plant Operation - WITHDRAWN BY NR/L2/ELP/23001 ISSUE 2 – HISTORIC ON 05/06/2021	1	23/10/2020
NR/BS/LI/447	Standard/control document affected: NR/SP/ELP/21060 (Issue 2), Issue of Safety Documentation for Work on 650/750 V dc Apparatus – HISTORIC: SUPERSEDED BY NR/BS/LI/470	1	12/06/2020
NR/BS/LI/446	Standard/control document affected: NR/L3/ELP/29987 Issue 5 [Working On or About 25 kV a.c Electrified Lines] - SUPERSEDED BY NR/BS/LI/457 – HISTORIC ON 31/12/2020	1	22/05/2020
NR/BS/LI/445	Standard/control document affected: NR/L3/ELP/27241 (Issue 4), Fixed Plant Work Instructions – HISTORIC SUPERSEDED BY NR/BS/LI/468	1	27/03/2020
NR/BS/LI/444	Standard/control document affected: NR/L2/ELP/27238 (Issue 7), Maintenance Specification for Fixed Plant Equipment -HISTORIC: SUPERSEDED BY NR/BS/LI/467	1	27/03/2020
NR/BS/LI/443	Standard/control document affected: NR/L2/ELP/21088 (Issue 3), General Maintenance Parameters for Overhead Line Electrification Equipment - HISTORIC: SUPERSEDED BY NR/BS/LI/466	1	25/03/2020
NR/BS/LI/442	Standard/control document affected: NR/L2/TRK/1054 (Issue 5), Inspection of cast, welded and fabricated crossings in the track	1	25/03/2020
NR/BS/LI/441	Standard/control document affected: NR/L2/TRK/053 (Issue 9), Inspection and Repair to Control the Risk of Derailment at Switches	1	25/03/2020
NR/BS/LI/440	Standard/control document affected: NR/L2/TRK/001 (Issue 15), Inspection and Maintenance of Permanent Way	1	25/03/2020
NR/BS/LI/429	Standard/control document affected: NR/SP/CTM/016 Issue 1, Competency & Training in Fixed Plant Engineering – EXPIRES 15 JUNE 2021	1	15/06/2020
NR/BS/LI/428	Standard/control document affected: NR/L3/TRK/3510/A01 (Issue 1), Lubrication of Plain Line Running Rails, Check Rails and S&C	1	22/07/2020
NR/BS/LI/426	Standard/control document affected: NR/L1/CIV/032 (Issue 2), The Management of Structures	2	20/07/2020
NR/BS/LI/383	Standard affected: NR/L2/CTM/021 (Issue 4). Competence and Training	2	08/12/2016
NR/BS/LI/371	Standard affected: NR/L2/CIV/162 (Issue 2). Platform Extensions. Location of metal structures on Third Rail area Station Platforms	1	02/03/2016
NR/BS/LI/347	Standard affected: NR/L2/CTM/028 (Issue 2). Competence and Training	1	16/01/2015
NR/BS/LI/342	Standard affected: NR/SP/ELP/21028 (Issue 3). Specification for ancillary wiring of electrical distribution equipment on A.C. and D.C. electrified lines	1	13/04/2016
NR/BS/LI/331	Requirements for parapet heights on over bridge and footbridge structures spanning overhead line electrification equipment	3	18/12/2020
NR/BS/LI/328	Standard affected: NR/SP/ELP/21104 (ISSUE 2). Design and Installation of Electric Track Equipment for DC Electrified Lines	1	28/03/2014
NR/BS/LI/326	Standard affected: NR/L2/OHS/050 (Issue 4), Sentinel Scheme Rules	1	16/04/2014

Standards Updates

Reference	Title	Issue	Date
NR/BS/LI/306	Standard affected: NR/L1/CIV/032: The Management of Structures [Issue 2]	2	26/09/2014
NR/BS/LI/305	Standards Affected: NR/L2/TRK/001 Issue 6. NR/L2/TRK/2102 Issue 6. NR/L2/TRK/3038 Issue 5. NR/L2/TRK/0032 Issue 5.NR/L2/TRK/0132 Issue 6. NR/L3/TRK/3510/A01 Issue 1. NR/L3/TRK/3510/B01 Issue 1.NR/L3/TRK/1015 Issue 2	2	31/01/2014
NR/BS/LI/292	NR/L3/TRK/1010 (Issue 2). Management of responses to extreme weather conditions at structures. earthworks and other key locations	1	18/07/2013
NR/BS/LI/256	Standard affected: NR/SP/ELP/27243 (Issue 1). Specification for Signalling Power Supplies	2	24/10/2016
NR/BS/LI/217	Standards affected: NR/SP/ELP/27224 [Issue: 2] Specification for the installation of cable routes forming part of the traction distribution system	4	25/01/2016
NR/BS/LI/163	Standard affected: RT/CE/S/130 (Issue 1). Flash-Welded Rails: Site Welded Strings	2	01/10/2010
NR/BS/LI/154	Use Of The Geismar THR542 Lightweight Stressing Equipment In Tandem. Standard affected: NR/L2/TRK/3011 (Issue 6)	1	18/01/2010
NR/BS/LI/106	Electric Points Heating - standard affected NR/L2/ELP/40045	2	01/09/2011
NR/BS/LI/101	Standard affected: RT/CE/S/077 Storage. Installation &Testing of TSR &ESR AWS	1	08/09/2008
NR/BS/LI/091	Use of CEMBRE Rail Web Connection Systems on DC Conductor Rail - standard affected NR/GN/ELP/27020	1	27/05/2008
NR/BS/LI/061	Dangerous Incident Notification: 11kV indoor switchgear type YSF6 manufactured by Yorkshire Switchgear WITHDRAWN BY NR/L2/ELP/23001 ISSUE 1 – HISTORIC ON 06/03/2022"	1	23/11/2006
NR/BS/LI/060	Traction electrical distribution sites with compromised earthing due to theft of cables - affected standard NR/SP/ELP/21032	1	23/11/2006
NR/BS/LI/047 - E&P	Bimold Connections on Rectifier Transformers at DC Traction Substations	1	05/052006
NR/BS/LI/040	650 V D.C. Traction Power Cables - Support Systems - affected standard NR/SP/ELP/27224	1	20/12/2005
NR/BS/LI/032	Labelling of Track Isolating Switches (T.I.S)	1	17/10/2005
NR/BS/LI/028	Segregation of D.C. Track Feed Cables	1	22/08/2005
NR/BS/LI/025	Paralleling of EDFE Supply Points New Cross - Croydon. Wimbledon. Northfleet: Restrictions	3	07/01/2008

RSSB - Standards and the rail industry

Access all current (and many withdrawn) Railway Group Standards, Rail Industry Approved Codes of Practice (RACOPs), Guidance Notes (GNs) and Rail Industry Standards (RISs).

http://www.rssb.co.uk/railway-group-standards

Useful links:
- Catalogues
- Latest Updates to Standards
- Using Standards
- Finding and staying up-to-date with standards

Railway Group Standards (RGSs)
Mandatory requirements for the GB mainline railway system are defined in Railway Group Standards (RGSs). They facilitate the management and operation of the mainline railway as a shared system. RGSs set out technical requirements applicable to vehicles or the infrastructure, or processes applicable to transport operators.

Standards Catalogue http://www.rssb.co.uk/railway-group-standards

Rule Book (GE/RT8000)

The Rule Book (GE/RT8000) and other National Operations Publications are documents that contain direct instructions for railway staff.

The Rule Book is held in printed copy by over 100,000 people, and as such is probably the best known and most widely distributed in the entire RSSB catalogue. Even greater numbers of people are known to use it as a reference and information document both from the United Kingdom and abroad using the online version.

You can still order hard copies of individual standards and Rule Book modules or handbooks from Willsons External link (Tel: 01636 702334) or download them from the Railway Group Standards section of this site.

Rule Book App
Get 24/7 access to the Rule Book via your phone, tablet, desktop or laptop with the Rule Book App. It's easy to use, search, personalise and update, and you can acknowledge amendments with one touch. Find out more on our dedicated Rule Book App page.

Rule Book Briefing Leaflet

GERT8000-RBBL Iss 35.1	This Leaflet contains details of a change to section 4.2 of module SS2 being published in the June 2021 Periodical Operating Notice. A new requirement has been introduced to check that both facing and trailing hand-points are in the correct position before a shunting movement commences, which will prevent any movement 'pushing through' trailing points.

GE/RM8000 Master Module Manual
RSSB has produced this manual to provide end-users with access to the content of GE/RT8000 (The Rule Book) that is relevant to all roles as defined in the Rule Book Matrix published by RSSB:

Rule Book Module Matrix

GERM8000-master-module Iss 9.1   Issued: 05/06/2021   In Force: 05/06/2021

Controlled Documents

Controlled Document List 05 June 2021

Ref. / Title	Issue No	Issue Date
RAIL MANAGEMENT SYSTEM		
Rail Management System		

Ref. / Title	Issue No	Issue Date
GROUP STANDARDS Website: http://www.rssb.co.uk/railway-group-standards		
Modular Rulebook GE/RT8000/ (See separate page for listed modules and issue dates)	------	------
GERM8000 Possession Workers Manual	6	03/2021
GERM8000 Track Workers Manual	8	03/2021
~~**GERM8000 master module** Master Module Manual~~	~~9~~	~~03/2021~~
GERM8000-master-module Master Module Manual	9.1	06/2021
GEGN8570 Guidance on the Management of Drugs and Alcohol	2	12/2012
GEGN8613 Application of human factors within safety management systems	1	03/2021
GLRT1210 AC Energy Subsystem and Interfaces to Rolling Stock Subsystem	2	12/2019
GLRT1212 DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	1	09/2015
GOGN3655 Guidance on Medical Fitness for Railway Safety Critical Workers	2	06/2014
RIS-1530-PLT Rail Industry Standard for Technical Requirements for On-Track Plant and their Associated Equipment and Trolleys	6	12/2015
RIS-2750-RST Supplier Assurance	1	12/2017
RIS-3118-TOM Incident Response Planning & Management	2	12/2019
RIS-3119-TOM Rail Industry Standard for Accident and Incident Investigation	2.2	03/2019
RIS-3279-TOM High Visibility Clothing	2	09/2019
RIS-3701-TOM Confidential Reporting System for Rail Staff	2.1	12/2019
RIS-8046-TOM Spoken Safety Critical Communications	2	12/2016
RIS-8047-TOM Reporting of Safety Related Information	2	03/2018
RIS-8070-TOM Testing Railway Safety Critical Workers for Drugs and Alcohol	1	12/2016

Ref. / Title	Issue No	Issue Date
LONDON UNDERGROUND (LU) STANDARDS		
LUL G1163 Stations DLO - Failure Reporting Analysis & Corrective Action System (FRACAS)	A2	11/2015
LUL G1164 Making a Referral to the Drug and Alcohol Advisory and Treatment Service	A2	04/2014
LUL G1234 Incident recording, investigation and reporting	A4	04/2017
LUL G1241 Alcohol and Drugs at Work Guidelines and Information For Managers	6	07/2009
LUL G1242 Alcohol and Drugs at Work – Managers For Cause and Post Incident Check List	A4	04/2020
LUL G1249 Environmental Incident Categories	A5	07/2018
LUL G2020 Wuhan novel coronavirus	A1	01/2020
LUL G557 Electronic Incident Reporting Form (eIRF)	A5	03/2014
LUL LF29 Incident investigation & reporting or recording What you need to remember	01	n/a
LUL R0350 Guidance and advice for the use of personal protective equipment	A1	01/2014
LUL R0403 Personal Protective Equipment (PPE) catalogue	1.1	01/2014
LUL S1251 Alcohol and Work; includes Written Notice 12/24/2014, 6/16/2015	A2	11/2011
LUL S1257 Drugs and Work; Includes Written Notice 01317: 12/24/2014	A2	11/2011
LUL S1538 Assurance	A16	04/2020
LUL S1548 Safety Critical Work	A6	02/2020
LUL S1552 Contract QUENSH Conditions Incorporating written notice: 10/05/2017, 02/05/2019	A18	11/2016

Controlled Documents

Ref. / Title	Issue No	Issue Date
LONDON UNDERGROUND (LU) STANDARDS		
LUL S1601 Management Arrangements to Assure Medical Fitness	**A5**	**01/2012**
LUL TE-HBS-0017 Managing competence and training	**A1 Cat 3**	**02/1995**

Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/CAT/STP/001 Catalogue of Network Rail Standards	**120**	**06/2021**
PTS Handbook RT 3170	**10**	**2020**
NR/L2/AMG/1030 Working Safely in the Vicinity of Buried Services	**1**	**12/2008**
NR/GN/CIV/065 Examination of Earthworks Guidance Manual	**1**	**06/2021**
NR/GN/CIV/208 Ground Investigation	**1**	**12/2018**
NR/L2/CIV/003 Engineering and Architectural Assurance of Building and Civil Engineering Works	**6**	**09/2020**
NR/L2/CIV/035 Management of Structures	**2**	**06/2019**
~~**NR/L2/CIV/086** Management of Earthworks~~	~~**9**~~	~~**03/2019**~~
NR/L2/CIV/086 Management of Earthworks	**10**	**06/2021**
NR/L2/CIV/250 Landlord's Consent	**1**	**03/2020**
NR/L2/CIV/295 Scour Assessment of Bridges, Culverts and Retaining Walls	**2**	**09/2018**
NR/L3/CIV/00012 Road Vehicle Incursions: Risk Assessment of Public and Non-Public Bridge and Neighbouring Sites	**2**	**09/2020**
NR/L3/CIV/006 Handbook for the Examination of Structures	**9**	**09/2019**
NR/L3/CIV/040 Work Instruction for the use of Protective Coating Systems	**2**	**06/2019**
NR/L3/CIV/170 Assessment of Tunnels	**1**	**03/2019**
NR/L3/CIV/185 Management of Reports of Safety Related Geotechnical Incidents	**3**	**09/2020**
NR/L3/CIV/190 Developing Extreme Weather Plans	**1**	**12/2017**
NR/GN/CPR/401 Guidance on Contractual Health and Safety Requirements	**1**	**12/2008**
NR/L2/CPR/201 Supplier Qualification	**2**	**12/2011**
NR/L2/CPR/302 Supplier Qualification - Core Requirements (**For PCL / POL Holders**)	**2**	**09/2011**
NR/L2/CSG/STP001 Standards and Controls Management Manual	**8**	**06/2020**
NR/CS/CTM/001 Competence Management	**1**	**12/2006**
NR/L2/CTM/017 Competence and Training in Civil Engineering	**1**	**06/2006**
NR/L2/CTM/021 Competence & Training in Track Safety	**4**	**12/2010**
NR/L2/CTM/025 Competence & Training in On-Track Plant Operation & Activities	**2**	**03/2021**
NR/L2/CTM/201 Competence Management	**2**	**03/2012**
NR/L2/CTM/202 Quality Assurance in Training & Assessment	**3**	**12/2019**
NR/L2/CTM/207 Competence & Training in Planning	**2**	**06/2012**
NR/L2/CTM/209 Competence & Training in Safe System of Work Planner	**1**	**12/2010**
~~**NR/L2/CTM/220** Competence & Training in Portable, Transportable & Mobile Plant Operation~~	~~**1**~~	~~**06/2012**~~
NR/L2/CTM/220 Competence & Training in Portable, Transportable & Mobile Plant (PTMP) Operation & Activities	**2**	**06/2021**
NR/L2/CTM/223 Competence & Training in Managing Site Safety	**1**	**06/2011**
NR/L2/ELP/21085 Earthing and Bonding on A.C. Electrified Railways	**4**	**06/2020**

Controlled Documents

Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/L2/ELP/21087 Risk Based Maintenance for Overhead Line Assets	9	06/2020
~~**NR/L2/ELP/21088** General maintenance parameters for 25 kV overhead line electrification equipment~~	~~3~~	~~12/2015~~
NR/L2/ELP/21088 General Maintenance Parameters for Overhead Line Electrification Equipment	4	06/2021
NR/L2/ELP/21090 OLE Seasonal Preparation Response for Extreme Weather	1	12/2020
NR/L2/ELP/23002 Specification for High Voltage AC Cables, AC Traction Earthing and Bonding Cables DC Traction Cables, Pilot Cables and Associated Accessories	1	12/2020
NR/L2/ELP/27009 Overhead Line Equipment Campaign Changes	3	03/2017
NR/L2/ELP/27023 Conductor Rail Heating Standard	1	12/2020
NR/L2/ELP/27172 Conductor Rail Guard Boarding	1	06/2021
NR/L2/ELP/27307 Management of M&EE Safety Related Event Reports	4	12/2017
NR/L2/ELP/27402 Specification for protection and control devices for electrical systems	1	12/2009
NR/L2/ELP/27715 Overhead Contact System Design Specification	3	09/2018
NR/L2/ELP/27800 Specification for 25 kV a.c. Earthing Pantographs and Interface with Vehicle (On Track Plant or Road Rail Vehicles)	1	12/2020
NR/L3/ELP/27051 Working Instructions for d.c. Electrified Lines in the Liverpool Area	6	09/2019
NR/L3/ELP/27052 Working Instructions for D.C. Electrified Lines on the Northern City Line	6	06/2021
NR/L3/ELP/27115 Arrangements for Isolation of the Conductor Rail for Pre-Planned Possessions of the Line	4	09/2018
NR/L3/ELP/27140 Application of Short Circuits for Conductor Rail Isolations	4	03/2019
NR/L3/ELP/27171 Electrical Insulating Gloves - **Replaces NR/WI/ELP/27171**	3	06/2021
NR/L3/ELP/27237 Overhead Line Work Instructions	22	03/2021
NR/L3/ELP/3091 DC Electrified Lines Working Instructions	5	09/2019
NR/SP/ELP/29987 Working on or About 25 KV AC Electrified Lines	5	12/2018
~~**NR/WI/ELP/27171** Issue, Storage and Routine Inspection and Testing of Rubber Gloves~~ **Replaced by NR/L3/ELP/27171**	~~2~~	~~04/2006~~
~~**NR/L2/ENV/015** Environment and Social Minimum Requirements for Projects – Design and Construction~~	~~8~~	~~03/2019~~
NR/L2/ENV/015 Environment and Social Minimum Requirements for Projects – Design and Construction	9	06/2021
NR/L2/ENV/115 Environment and Social Management System Requirements	1	03/2018
NR/L2/ENV/120 Waste Management	1	12/2019
NR/L2/ENV/121 Managing Environmental and Social Impact of Noise and Vibration	1	12/2019
NR/L2/ENV/122 Biodiversity	1	03/2021
NR/L2/ENV/123 Prevention of Pollution to Land and Water	1	12/2019
NR/L2/INF/02203 Controlled Publications - Issue & Receipt	2	12/2011
NR/L3/INF/02204 Controlled Publications - Process & Accountabilities	3	12/2011
NR/L3/INF/02226 Corporate Records Retention Schedule	3	12/2017
NR/GN/INI/001 Guidance on the Management of Door to Door Work & Travel Time	1	12/2008
NR/L2/INI/CP0070 Principal Contractor Licensing Scheme	5	06/2017
NR/L2/INI/EDT/CP0091 Specification for Computer Aided Design	4	12/2018
NR/L2/INI/P3M/101 Business Process - Governance of Railway Investment Projects (GRIP) – for Projects	5	09/2017
NR/L2/INI/P3M/104 Network Rail Requirements (formerly NR/L1/INI/CP0095)	2	09/2017
NR/L3/INI/CP0028 Contract Requirements - Quality	3	06/2012
NR/L3/INI/CP0036 Provision of Welfare Facilities	4	08/2008
~~**NR/L3/INI/CP0064** Delivering Work Within Possessions~~ **Replaced by NR/L3/OPS/0064 Issue 6**	~~5~~	~~06/2017~~

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Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/L3/INV/3001 Reporting and Investigation Manual Also replaces NR/L2/INV/002	6	12/2020
NR/GN/MTC/089 Guidance for the Exchange of Asset Data and the Continuing Maintenance of Assets Undergoing Change	1	09/2020
NR/L2/MTC/089 Arrangements for the Exchange of Asset Data and the Continuing Maintenance of Assets Undergoing Change	2	12/2018
NR/L3/MTC/CP009 COVID-19 Contingency Plan: Safe Working Practices	8	03/2021
NR/L3/MTC/EN0100 Waste Management	3	06/2012
NR/L3/MTC/EN0101 Management of Discharges to Sewers & Controlled Waters	3	06/2012
NR/L3/MTC/EN0225 Environ Management System for Infrastructure Maintenance	1	06/2012
NR/L3/MTC/EP0152 Working on or Adjacent to Conductor Rail	5	12/2011
NR/L3/MTC/MG0173 Monitoring of Spoken Safety Communications	3	06/2019
NR/L3/MTC/MG0210 Management of Maintenance Work within a Worksite to Prevent a Possession Overrun	3	06/2019
~~**NR/L3/MTC/MG0213** Index of Standard Maintenance Forms~~	~~17~~	~~03/2021~~
NR/L3/MTC/MG0213 Index of Standard Maintenance Forms	18	06/2021
~~**NR/L3/MTC/RCS0216** Risk Control Manual~~	~~20~~	~~03/2021~~
NR/L3/MTC/RCS0216 Risk Control Manual	21	06/2021
NR/L3/MTC/RCS0216/OLE02 Risk Control Manual: Working on Red Bonds/Impedance Bonds	2	03/2012
NR/L3/MTC/SE0115 Confined Spaces Working & Entry Procedure	2	06/2008
NR/L3/MTC/SE0117 Planned Assurance Inspections and Site Surveillance	4	09/2018
NR/L3/MTC/SE0220 Planning and Delivering Safe Working at Height	2	09/2020
NR/CS/OHS/002 Policy on Working Safely	1	02/2007
NR/GN/OHS/00155 Short-term Changes in the Creation and Application of Safe Work Packs and Briefing Arrangements COVID-19 Contingency Plan (Guidance for Regions on NR/L2/OHS/019)	1	06/2020
NR/L1/OHS/051 Drugs and Alcohol	6	12/2015
NR/L1/OHS/052 Traumatic Incident Management	1	06/2016
NR/L2/OHS/00110 First Aid at Work	6	09/2017
NR/L2/OHS/00112 Worksafe Procedure	3	09/2020
NR/L2/OHS/00120 Testing for Drugs and Alcohol	5	12/2015
NR/L2/OHS/00124 Competence Specific Medical Fitness Requirements and Occupational Health Provider Requirements for Medical Assessments	3	12/2016
NR/L2/OHS/003 Fatigue Risk Management	9	12/2019
NR/L2/OHS/0044 Planning and Managing Construction Work replaces NR/L3/INI/CP0044 Work Package Planning	5	12/2016
NR/L2/OHS/0047 Managing Health and Safety in Construction (Application of the Construction (Design and Management) Regulations to Network Rail)	7	06/2019
NR/L2/OHS/005 High Street Environment & Conditions for Work outside Network Rail Managed Infrastructure	7	09/2010
NR/L2/OHS/019 Safety of People working on or near the Line	10	12/2020
NR/L2/OHS/020 Track Visitor Permits	5	08/2008
NR/L2/OHS/021 Personal Protective Equipment and Work Wear	3	06/2009
NR/L2/OHS/022 Working Safely at Height	2	03/2020
NR/L2/OHS/032 Training, Competence and Assessment in Accident and Incident Investigation	2	12/2020
NR/L2/OHS/050 Sentinel Scheme Rules	4	03/2011
~~**NR/L2/OHS/053** Assessing Risk of Stress in the Workplace~~	~~1~~	~~06/2016~~
NR/L2/OHS/053 Assessing Risk of Stress in the Workplace	2	06/2021
NR/L2/OHS/157 Health surveillance for silica and asbestos and the management of diagnosed occupational respiratory conditions	1	03/2017
NR/L3/OHS/0046 The Reporting, Investigation and Recording of Safety and Sustainable Development Events and Close Calls within Infrastructure Projects	3	06/2018

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Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/L3/OHS/019-IP Planning and Delivering Safe Work – Implementation Principles for Infrastructure Projects	1	06/2018
NR/L2/OPS/033 Recording Spoken Safety Critical Communications between Possession Management and Engineering Trains / On-Track Plant Drivers when Working in Possessions and Worksites.	3	06/2019
NR/L2/OPS/291 Railway Crime Risk Management	1	12/2019
NR/L3/OPS/0064 Delivering Work within Possessions – **Replaces NR/L3/INI/CP0064**	6	06/2021
NR/L3/OPS/084 Line Clear Arrangements Following Engineering Works in Axle Counter Areas – Line Clear Verification Process	5	03/2020
NR/L3/OPS/251 Unmanned Aircraft System (Drone/UAS) Operations	3	09/2019
NR/OPS/DEV/009 Network Rail: Good Practice Guide for Working at Operational Locations (Signal Boxes, Electrical Control Rooms, Controls) During COVID 19	2	06/2020
NR/GN/OTK/5000 Issue 1 Index of Off-Track Drawings	2	03/2021
NR/L2/OTK/5201 Lineside Vegetation Management Manual	5	12/2020
NR/GN/RMVP/0200 Infrastructure Plant Manual Guidance	1	12/2018
NR/L2/RMVP/0200 Infrastructure Plant Manual	10	12/2018
NR/L3/RMVP/0201 Calibration Work Instruction Manual Replaces NR/L3/MTC/ME0201 This standard provides the index and version control of Calibration Work Instructions for the internal calibration and comparison checking of Inspection, Measuring and Test Equipment (IMTE).	2	09/2011
NR/L2/RSE/0005 Product Design for Reliability	5	12/2020
NR/L2/RSE/070 Engineering Verification	2	12/2011
NR/L2/RSE/100 Network Rail Acceptance Panel processes	5	06/2019
NR/L1/RSK/001 Network Rail Risk Policy	3	09/2019
NR/L2/SCO/302 Supplier Qualification Requirements	1	06/2020
~~**NR/L3/SCO/313** On-Track Machines (OTMs) Driver and Operations Standards Manual~~	~~9~~	~~12/2020~~
NR/L3/SCO/313 On-Track Machines (OTMs) Driver and Operations Standards Manual	10	06/2021
NR/L3/SCO/314 Engineering Assurance for T&RS, OTM and OTP Projects	1	12/2018
NR/L3/SCO/320 Supplier Quality Assurance (SQA)	2	09/2020
NR/SIN/185 Identification and Inspection of Plain-Lined S&C	1	06/2019
~~**NR/L2/SIG/11201** Signalling Design Handbook~~	~~13~~	~~03/2021~~
NR/L2/SIG/11201 Signalling Design Handbook	14	06/2021
NR/L2/SIG/14201 Signalling Risk Assessment Handbook	5	12/2020
NR/L2/SIG/30009 Signalling Principles Handbook	19	12/2020
~~**NR/L2/SIG/30014** Signalling Works Testing Handbook~~	~~17~~	~~12/2020~~
NR/L2/SIG/30014 Signalling Works Testing Handbook	18	06/2021
NR/L3/SIG/10064 General Instructions to Staff Working on S&T Equipment	9	12/2020
NR/L3/SIG/10661 Signal Maintenance Task Intervals	20	12/2020
NR/L3/SIG/10663 Signal Maintenance Specifications	12	12/2020
NR/L3/SIG/11231 Signal Maintenance Testing Handbook	15	03/2020
NR/L3/SIG/MG0110 Imposition & Removal of Temporary Speed Restrictions	3	06/2012
NR/L2/SIGELP/50000 Safe working and maintenance on or near Signalling Power Distribution Equipment above 175 volts	3	03/2017

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Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/L3/SIGELP/50001 Signalling Power Distribution Equipment above 175 Volts	3	03/2017
NR/L3/SIGELP/50002 Safe Working Practices When Working on or Near Signalling Power Distribution Equipment Above 175 Volts	1	12/2016
NR/L3/SIGELP/50003 Safe Working Practices When Working on or Near Signalling Equipment	1	03/2018
NR/L2/TEL/30067 The Transmission of Safety Related Information	2	12/2011
NR/L2/TEL/30156 Functional Requirements for Safety Related Communications Equipment for On Track Plant Working	1	12/2011
NR/L3/TEL/30181 Telecoms Maintenance Work Instructions Handbook	6	06/2021
NR/GN/TRK/7001 Index of Track Work Information Sheets (TWI)	16	09/2019
NR/L1/TRK/100 Management of Track Assets	1	03/2020
~~**NR/L2/TRK/001** Inspection and Maintenance of Permanent Way~~	~~18~~	~~04/2021~~
NR/L2/TRK/001 Inspection and Maintenance of Permanent Way	19	06/2021
NR/L2/TRK/4239 Track Bed Investigation, Design and Installation	2	09/2020
~~**NR/L3/TRK/003** Index of Track Engineering Forms~~	~~35~~	~~03/2021~~
NR/L3/TRK/003 Index of Track Engineering Forms	36	06/2021
NR/L3/TRK/3530 Track Lubricants	1	06/2012
~~**NR/L3/TRK/7006** Creation and Application of Initial ESR Design~~	~~1~~	~~03/2019~~
NR/L3/TRK/7006 Creation and Application of Initial ESR Design	1	03/2019
NR/L3/TRK/7014 Inspection and Maintenance of Permanent Way using Risk Based Maintenance (Plain Line CWR Track)	1	03/2021

Controlled Documents

Ref. / Title	Reference
OTHER STANDARDS & GUIDANCE	
BS EN ISO 14001:2015	2015
BS EN ISO 9001:2015	2015
BS EN ISO 45001:2018	2018
BS OHSAS 18001:2007 **BS OHSAS 18001 has been replaced by ISO 45001 the new international standard for occupational health and safety. Organizations who are already certified to BS OHSAS 18001 will need to upgrade to ISO 45001 by March 2021.**	2007
Investigating Accidents and Incidents – HS(G)245	ISBN 9780717628278
Management of Health and Safety at Work Regulations 1999 Approved Code of Practice and guidance	ISBN 9780717624881
Managing health and safety in construction Construction (Design and Management) Regulations 2015. Guidance on Regulations	ISBN 9780717666263
Successful Health and Safety Management – HS(G)65	ISBN 9780717612765
Sentinel Scheme Rules https://info.railsentinel.co.uk/about/rules/	V4 26 March 2020 Compliance Date 26 March 2020
RTAS Rules QA Reference – National Skills Academy for Rail (nsar.co.uk)	V2.0 Updated 24 August 2020

Ref. / Title	Reference
LEGISLATION	
Bribery Act 2010	2010 c. 23
Control of Asbestos at Work Regulations 2002	2002 No. 2675
Control of Pollution (Amendment) Act 1989	1989 c. 14
Control of Pollution Act 1974	1974 c. 40
Corporate Manslaughter and Corporate Homicide Act 2007	2007 c. 19
Data Protection Act 2018	2018 c. 12
Environmental Protection Act 1990	1990 c. 43
European Union (Future Relationship) Act 2020	2020 c. 29
Health & Safety at Work etc. Act 1974	1974 c. 37
Modern Slavery Act 2015	2015 c. 30
Pollution Prevention and Control Act 1999	1999 c. 24
The Confined Spaces Regulations 1997	1997 No. 1713
The Construction (Design and Management) Regulations 2015	2015 No. 51
The Control of Asbestos at Work (Amendment) Regulations 1992	1992 No. 3068
The Control of Asbestos at Work (Amendment) Regulations 1998	1998 No. 3235
The Control of Asbestos at Work Regulations 1987	1987 No. 2115
The Control of Asbestos in the Air Regulations 1990	1990 No. 556
The Control of Asbestos Regulations 2006	2006 No. 2739
The Control of Asbestos Regulations 2012	2012 No. 632
The Control of Lead at Work Regulations 1980	1980 No. 1248
The Control of Lead at Work Regulations 1998	1998 No. 543
The Control of Lead at Work Regulations 2002	2002 No. 2676
The Control of Noise at Work Regulations 2005	2005 No. 1643
The Control of Substances Hazardous to Health (Amendment) Regulations 2004	2004 No. 3386

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Ref. / Title	Reference
LEGISLATION	
The Control of Substances Hazardous to Health Regulations 2002	2002 No. 2677
The Environmental Noise, Site Waste Management Plans and Spreadable Fats etc. (Revocations and Amendments) Regulations 2013	2013 No. 2854
The Fire Precautions (Workplace) Regulations 1997	1997 No. 1840
The Hazardous Waste (England and Wales) (Amendment) Regulations 2009	2009 No. 507
The Hazardous Waste (England and Wales) Regulations 2005	2005 No. 894
The Health and Safety (Consultation with Employees) Regulations 1996	1996 No. 1513
The Health and Safety (Display Screen Equipment) Regulations 1992	1992 No. 2792
The Health and Safety (First-Aid) Regulations 1981	1981 No. 917
The Health Protection (Coronavirus, Collection of Contact Details etc and Related Requirements) Regulations 2020	2020 No. 1005
The Health Protection (Coronavirus, International Travel) (England) Regulations 2020	2020 No. 568
The Health Protection (Coronavirus, Restrictions) (All Tiers) (England) Regulations 2020	2020 No. 1374
The Health Protection (Coronavirus, Restrictions) (England) (No. 3) Regulations 2020	2020 No. 750
The Health Protection (Coronavirus, Restrictions) (Local Authority Enforcement Powers and Amendment) (England) Regulations 2020	2020 No. 1375
The Health Protection (Coronavirus, Restrictions) (Self-Isolation) (England) Regulations 2020	2020 No. 1045
The Health Protection (Coronavirus, Wearing of Face Coverings in a Relevant Place) (England) Regulations 2020	2020 No. 791
The Lifting Operations and Lifting Equipment Regulations 1998	1998 No. 2307
The Manual Handling Operations Regulations 1992	1992 No. 2793
The Personal Protective Equipment (EC Directive) Regulations 1992	1992 No. 3139
The Personal Protective Equipment at Work Regulations 1992	1992 No. 2966
The Personal Protective Equipment Regulations 2002	2002 No. 1144
The Provision and Use of Work Equipment Regulations 1992	1992 No. 2932
The Provision and Use of Work Equipment Regulations 1998	1998 No. 2306
The Railways and Other Guided Transport Systems (Safety) Regulations 2006	2006 No. 599
The Regulatory Reform (Fire Safety) Order 2005	2005 No. 1541
The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013	2013 No. 1471
The Safety Representatives and Safety Committees Regulations 1977	1977 No. 500
The Waste Management (England and Wales) Regulations 2006	2006 No. 937
The Work in Compressed Air Regulations 1996	1996 No. 1656
The Workplace (Health, Safety and Welfare) Regulations 1992	1992 No. 3004
Transport and Works Act 1992	1992 c. 42
Water Resources Act 1991	1991 c. 57
Wildlife and Countryside (Amendment) Act 1991	1991 c. 39
Wildlife and Countryside Act 1981	1981 c. 69

Controlled Documents

Modular Rulebook GE/RT8000

PTS Only

In most cases only PTS handbook is required, unless one of the following applies:

1. Index, amendment module and Module *G1* to be issued to the following:

   Supervisors and managers who issue publications
   Staff who operate signal post replacement switches
   Staff who place protection for Line Blockage or T3
   Staff who secure points
   Those who use tents on or near the line

2. Index and amendment module to be issued to the following*:*

   Lookouts
   People who take charge of cranes and equipment which could foul an open line
   People who take charge of work on or near points
   People who carry out patrolling/inspecting duties

Other competencies (IWA, COSS, PC, ES, MC, CC)

Doc No & Issue	Issue Date	Title	Synopsis
GERT8000-Issue Iss 32	Mar 2021	Rule Book Module Issue History	This document contains updates to align with changes to Rule Book Module issues (GERT8000).
GERT8000-Issue HB Iss 13	Mar 2021	Rule Book Handbook Issue History	This document has been updated to incorporate changes to handbooks published in March 2021.
~~GERT8000-RBBL Iss 35~~	~~Mar 2021~~	~~Rule Book Briefing Leaflet~~	~~This Leaflet contains details of changes to the Rule Book (GERT8000) being published in March 2021 and in force June 2021.~~
GERT8000-RBBL Iss 35.1	Jun 2021	Rule Book Briefing Leaflet	This Leaflet contains details of a change to section 4.2 of module SS2 being published in the June 2021 Periodical Operating Notice. A new requirement has been introduced to check that both facing and trailing hand-points are in the correct position before a shunting movement commences, which will prevent any movement 'pushing through' trailing points.
GERT8000-Gloss Iss 5	Sep 2018	Glossary of Railway Terminology	The Glossary has been updated to reflect changes in terminology within TW5 which removes 'entering service' and replaces it with 'starting a journey'.
GERT8000-AC Iss 6.pdf	Sep 2020	AC electrified lines	You will need this module if you carry out the duties of a train driver, guard, shunter, designated person (DP), signaller, crossing keeper or person in charge of sidings in AC electrified areas. "Sections 12 and 13 have been revised in two main areas. The first is avoiding a need for a driver to leave the cab for inspection purposes, or circumstances in which a driver might be allowed to leave the cab for inspection purposes before the traction current has been removed. The second is managing the removal of traction current in a way that reduces the extent of reactionary delay. The changes are intended to reduce the electrical and non-electrical safety risk overall and to reduce the adverse operational impacts caused by stranded trains. A minor amendment has been made to Section 3.3 to recognise that not all frontline staff are able to speak directly to the ECO, in which case they should inform the signaller when reporting objects and defects. An incorrect reference to red bonds has also been revised in the same section.
GERT8000-DC Iss 4	Sep 2015	DC electrified lines	You will need this module if you carry out the duties of a train driver, guard, shunter, designated person (DP), signaller, crossing keeper and person in charge of sidings in DC electrified areas. This document has been updated as part of the December 2015 Rule Book Programme.

Controlled Documents

Doc No & Issue	Issue Date	Title	Synopsis
GERT8000-G1 Iss 8	Mar 2021	General safety responsibilities and personal track safety for non-track workers	You will need this module if you carry out the duties of a train driver, guard, shunter, designated person (DP), signaller, crossing keeper, or platform staff.
GERT8000-HB1 Iss 6	Mar 2021	General duties and track safety for track workers	his handbook is for those personnel who need to go on the operational railway to carry out their duties, with the exception of a train driver, guard, shunter, signaller, crossing keeper or designated person (DP).
GERT8000-HB10 Iss 4	Sep 2015	Duties of the COSS or SWL and person in charge when using a hand trolley	You will need this handbook if you are the COSS or SWL and person in charge when using a hand trolley. This document has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB11 Iss 8.pdf	Sep 2020	Duties of the person in charge of a possession (PICOP)	You will need this handbook if you carry out the duties of the PICOP.

Section 4.2 has been revised to facilitate the introduction of the flexible train arrival point (FTAP) into the Rule Book.
Section 12.1 has been revised to include arrangements for giving up a work site with an engineering train or on-track machine standing within it. The changes are intended to allow work to be undertaken for a greater proportion of the available time within a possession. |
| GERT8000-HB12 Iss 8.pdf | Sep 2020 | Duties of the engineering supervisor (ES) or safe work leader (SWL) in a possession | You will need this handbook if you carry out the duties of the ES or SWL in a possession.
Section 3.2 has been revised to facilitate the introduction of the flexible train arrival point (FTAP) into the Rule Book.
Section 10.3 has been revised to include arrangements for giving up a work site with an engineering train or on-track machine standing within it. The changes are intended to allow work to be undertaken for a greater proportion of the available time within a possession.
A new section 11 has been added to facilitate the introduction of high output protection zones into the Rule Book. The introduction of high output protection zones into the Rule Book is intended to improve track worker safety by removing the need for possession support staff to go trackside to place standard possession protection, and to result in improved productivity on each occasion that a high output train is used. |
GERT8000-HB13 Iss 2	Sep 2014	Duties of the person in charge of the siding possession (PICOS)	You will need this handbook if you carry out the duties of a PICOS. Information on changes to this issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 27)
GERT8000-HB14 Iss 3	Mar 2021	Duties of the person in charge of loading and unloading rail vehicles during engineering work	You will need this handbook if you carry out the duties of the person in charge of loading and unloading rail vehicles during engineering work.
GERT8000-HB15 Iss 5	Sep 2017	Duties of the machine controller (MC) and on-track plant operator	You will need this handbook if you carry out the duties of the machine controller (MC) and on-track plant operator. This document has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB16 Iss 4	Sep 2018	AC electrified lines	This handbook is for those personnel who need to go on the operational railway in an AC electrified area to carry out their duties.
GERT8000-HB17 Iss 3	Sep 2015	DC electrified lines	This handbook is for those personnel who need to go on the operational railway in a DC electrified area to carry out their duties. This document has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB18 Iss 4	Sep 2015	Duties of a Level Crossing Attendant	You will need this handbook if you carry out the duties of a level crossing attendant. This document has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB19 Iss 4.pdf	Sep 2020	Work on signalling equipment - duties of the signalling technician	You will need this handbook if you carry out the duties of a signalling technician. Section 1.5 has been revised to facilitate the introduction of high output protection zones into the Rule Book. The introduction of high output protection zones into the Rule Book is intended to improve track worker safety by removing the need for possession support staff to go trackside to place standard possession protection, and to result in improved productivity on each occasion that a high output train is used.
GERT8000-HB2 Iss 2	Sep 2015	Instructions for track workers who use emergency protection equipment	This handbook is for those personnel who need to go on the operational railway to carry out their duties and have been trained to carry out emergency protection. It does not apply to: train drivers, guards, shunters, signallers, crossing keepers and those who act as a designated person (DP). This document has been updated as part of the December 2015 Rule Book Programme.

Controlled Documents

Doc No & Issue	Issue Date	Title	Synopsis
GERT8000-HB20 Iss 3.pdf	Sep 2020	General duties of a safe work leader (SWL) working outside a possession	You will need this handbook if you have the general duties of a safe work leader working outside a possession. New instructions have been added at section 2.3 to facilitate the introduction of the crossing the line procedure into the Rule Book. The changes are intended to streamline the procedure for crossing the line leading to reduced workload for signaller/SWL/COSS/IWA, reduced need for staff to be waiting unproductively trackside ,and crossing the line at locations that have already been assessed as suitable.
GERT8000-HB21 Iss 4	Sep 2018	Safe work leader (SWL) blocking a line	You will need this handbook if you are a safe work leader (SWL) blocking a line.
GERT8000-HB3 Iss 3	Sep 2014	Duties of the lookout and site warden	This handbook is for those personnel who have duties of the lookout and site warden. Information on changes to this issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 27).
GERT8000-HB4 Iss 2	Sep 2014	Duties of a points operator and route-setting agent - moving and securing points by hand	This handbook is for those personnel who has duties of a points operator and route-setting agent - moving and securing points by hand. Information on changes to this issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 27).
GERT8000-HB5 Iss 2	Sep 2011	Handsignalling duties	This handbook is for those who carry out handsignalling duties.
GERT8000-HB6 Iss 6.pdf	Sep 2020	General duties of an individual working alone	This handbook is for those personnel with general duties of an individual working alone (IWA). New instructions have been added at section 2.5 to facilitate the introduction of the crossing the line procedure into the Rule Book. The changes are intended to streamline the procedure for crossing the line leading to reduced workload for signaller/SWL/COSS/IWA, reduced need for staff to be waiting unproductively trackside, and crossing the line at locations that have already been assessed as suitable. Section 3.2 has been revised to facilitate the introduction of high output protection zones into the Rule Book. The introduction of high output protection zones into the Rule Book is intended to improve track worker safety by removing the need for possession support staff to go trackside to place standard possession protection, and to result in improved productivity on each occasion that a high output train is used.
GERT8000-HB7 Iss 7.pdf	Sep 2020	General duties of a controller of site safety (COSS)	This handbook is for those personnel who have the general duties of a controller of site safety (COSS).
GERT8000-HB8 Iss 7	Sep 2017	IWA, COSS or PC blocking a line	You will need this handbook if you carry out the duties of a IWA, COSS or PC blocking a line.
GERT8000-HB9 Iss 7	Sep 2019	IWA or COSS setting up safe systems of work within possessions	You will need this handbook if you carry out the duties of an IWA or COSS setting up safe systems of work within possessions.
GERT8000-OTM Iss 10	Mar 2021	Working of on-track machines (OTM)	You will need this module if you carry out the duties of a driver of an on-track machine, an operator of an on-track machine, or a signaller.
GERT8000-T10 Iss 4	Sep 2014	Duties of a designated person (DP) and people working on rail vehicles	You will need this module if you carry out the duties of a designated person and people working on a rail vehicle. Information on changes to this issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 27).
GERT8000-T3 Iss 9.pdf	Sep 2020	Possession of a running line for engineering work	You will need this module if you carry out the duties of a driver or signaller. Sections 2.2 and 9.7 have been revised to facilitate the introduction of the flexible train arrival point (FTAP) into the Rule Book. Section 9.8 has been revised to include arrangements for giving up a work site with an engineering train or on-track machine standing within it. The changes are intended to allow work to be undertaken for a greater proportion of the available time within a possession. A new section 10 has been added to facilitate the introduction of high output protection zones into the Rule Book. The introduction of high output protection zones into the Rule Book is intended to improve track worker safety by removing the need for possession support staff to go trackside to place standard possession protection, and to result in improved productivity on each occasion that a high output train is used

Network Rail Safety Central – Information Section

Code of Conduct

The Code of Conduct establishes some minimum standards that Network Rail expects in their supply chain. It has been developed by Network Rail's National Supply Chain, Industry bodies, and the Unions. It will be reviewed and updated by members of these same groups bi-annually. Please email queries to codeofconduct@networkrail.co.uk

Code of Business Ethics (web page)
Modern Slavery (web page)

Network Rail Safety Bulletins
In this section you'll find copies of the Network Rail safety bulletins regularly sent out to staff working on the Network Rail infrastructure. These cover a range of different safety issues and are often issued in response to a specific incident.

https://safety.networkrail.co.uk/tools-resources/safety-bulletins/

The following link contains a list of Network Rail Safety Bulletins : Safety Bulletin List June 05

You can refine your search by:

Bulletin type
- Archive - Lessons Learnt
- Archive - Safety Bulletins
- Safety Advice
- Safety Alert
- Safety Bulletin
- Shared Learning

There will also be an archive of past bulletins, so you can download any that you missed, or want to read again. **Please download them for the FULL TEXT OF THE BULLETINS.**

Safety Bulletins
- Safety Bulletin NRB21-03 – Exposure to Asbestos Containing Materials (ACM) April 16, 2021
- Safety Bulletin NRB21-02 – Carnforth SMTH irregularity April 19, 2021

Safety Advice
- Safety Advice NRA21-08 – On Track Plant machine-crane controllers May 12, 2021
- Safety-Advice-NRA21-07-Contractor-accident-while-using-Premier-Compact-110-Series-Soil-Sampling-Machine May 26, 2021
- Safety Advice NRA21-06 – Using lookout operated warning systems (LOWS) April 14, 2021
- Safety Advice NRA21-05 – Preventing water ingress to 25kV Track Sectioning Cabin March 23, 2021

Other documents
- Safety Alert NRX21-09 – Contact with overhead line equipment May 18, 2021
- Safety Alert NRX21-06 – On track plant collision May 4, 2021
- Safety Alert NRX21-05 – Fire on tamping machine April 28, 2021

Lessons Learnt / Shared Learning
Network Rail are now producing 'Lessons Learnt' publications following events which have led to Formal investigations or local investigations where significant points of learning have resulted. Network Rail believes that these lessons will be of value for all involved in the industry and not just safety professionals, they are ultimately designed to aid prevention of events of a similar nature happening again elsewhere.

Shared Learning

Network Rail Safety Central

Health & Wellbeing
Health and wellbeing (web page)

Risk Management
Think RISK (web page)

Safety Films
http://safety.networkrail.co.uk/Alerts-and-Campaign/Safety-Films

In this section you will find all the safety films which are also listed in the relevant subject areas with supporting materials. Please note some of these films contain strong language and scenes which viewers might find upsetting. As such we recommend that these films are only viewed by people over the age of 16.

Have you got a good idea for a film? If you have, write into safety.central@networkrail.co.uk to let us know.

Resource Library
https://safety.networkrail.co.uk/tools-resources/resource-library/
The Resource Library holds a wealth of information.

SCO 24:7 (Supply Chain – Operations) Telephone
SCO 24:7 (formally the NSC247 and NDS24:7): call 01908 723500 or 085 65500 (internal)

SCO 24:7 operates 24 hours a day, 365 days of the year from the Quadrant in Milton Keynes. Our remit is to manage the real-time delivery of SCO products & services to our customers. This includes engineering haulage, materials, on track machines, infrastructure monitoring, seasonal treatment, HSEA reporting, site access services and lone worker monitoring.

Emergency
If there's a safety threat to you or to others such as:
- Animals, objects or people on or near the track
- Damage or fault at a level crossing
- A vehicle has hit a bridge
- A broken fence or open gate allowing access to the track

Please call Network Rail Emergency 24-hour helpline immediately: **03457 11 41 41**

To report a crime
Please contact the British Transport Police: **0800 40 50 40,   999   or   Text 61016**

Network Rail Safety Central

Coronavirus (COVID -19)

You will find many resources on this page: https://safety.networkrail.co.uk/coronavirus-covid-19/

Network Rail is working very closely with government, industry partners and health bodies to have the latest advice and messages available. In order to have the latest updates with this fast-changing situation we will be linking into.

Network Rail' corporate website for industry information

COVID Guidance for BAME colleagues

If you're feeling unwell, please follow public health advice immediately. More information is available on the NHS website.

Please Note: Covid-19 mitigation Network Rail is continually reviewing our controls. As a result, we can confirm that the use of TVP's will not be subject to any additional restrictions beyond those required under the Network Rail TVP Standard NR/L2/OHS/020 and Sentinel Scheme Rules. However, it should be reminded that the use of TVP's should only be issued within accordance to the TVP standard.

01 May 2020 this short film on social distancing on work sites was produced. All information correct at time of publication Watch Here

Attachments

- Sentinel Comp and Medical Extension Updat 230620 PDF / 23 Jun 2020
- Information and Advice for Managers and BAME Colleagues During COVID-19 – Final 12052020 PDF / 27 May 2020
- Masks and Face Shields in Stations (Subs) MP4 / 19 May 2020
- Safety-Advice-NRA20-03-Social-distancing PDF / 18 May 2020
- COVID-19 Masks & Face Shield Visors (Subs) MP4 / 29 Apr 2020
- COVID-19-working on site_ print_3-04-2020_Final PDF / 6 Apr 2020
- COVID-19-working-at-operating-locations_print_3-4-2020_Final PDF / 6 Apr 2020
- COVID-19-working-at-operating-locations_3-4-2020_Final PDF / 6 Apr 2020
- COVID-19-working on site_3-4-2020_Final PDF / 6 Apr 2020
- NWR Vita Health Virtual Physiotherapy-1080p-b9ddde8a-c350-4610-ab60-5cc6c2ad0431 MP4 / 2 Apr 2020
- Good practice guide for site working during Covid 19 V1 PDF / 31 Mar 2020
- Guidelines_on_Social_Distancing_for_Key_workers Covid 19 PDF / 31 Mar 2020
- Guidelines for working from home – social distancing and shielding the vulnerable Covid 19 PDF / 31 Mar 2020
- DSE Guidance v2 MC Final3 COVID 19 PDF / 31 Mar 2020

Useful Links

The following pages contain other useful links and safety information from various sources which may be relevant to you.

Item	Details
Health and Safety Executive http://www.hse.gov.uk – Website	Government agency responsible for regulating risks to health and safety arising from work. HSE publications can be downloaded free in Adobe PDF format.
CIRAS Online http://www.ciras.org.uk – free access	The Confidential Incident Reporting and Analysis System Freephone number 0800 4 101 101.
Network Rail http://www.networkrail.co.uk – Website	Owner and operator of Britain's railway infrastructure.
Network Rail Standards http://www.ihserc.com/ – subscription required **Network Rail Standards Subscriptions** IHS Global Ltd Phone: 01344 328000 **Network Rail Standards Management Publications Manager** Nicole Lockwood Phone: 01908 782 481 **Network Rail Standards Hard Copy Document Centre** IHS Retail Phone: 01344 328039 Fax: 01344 328005 or email: emeastore@ihs.com **Network Rail Technical Drawings** National Records Group Email: nrgcivils@networkrail.co.uk	All current Network Rail standards are available via the IHS website. **You can access the new portal via the highlighted link but do be careful to claim your 100% discount when checking out!** *New standards portal* *Last year we held focus groups with our SME suppliers to gain a stronger understanding of how we can make it easier for them to do business with us. Our SME Acton Plan, published in November 2019, responded to these insights with a range of measures to support our SME community. These actions included our commitment to review access to our standards and control documents. These are the requirements for the operation of the rail network and delivery of infrastructure maintenance and enhancements.* *I am pleased to announce that this has resulted in the launch of a new portal which will make our standards freely available to the supply chain. Instructions on how to register can be seen on the portal home page. Please do not hesitate to contact us with your feedback via SupplierCommunications@networkrail.co.uk.* *This initiative also supports our Open for Business programme which encourages our suppliers to submit challenges to our standards to reduce complexity and costs.* *If you do have any questions as a result of these changes, please contact your local Network Rail representative or email suppliercommunications@networkrail.co.uk*
Network Rail Safety Central http://safety.networkrail.co.uk – free access	The site is your one-stop shop of safety information, advice, resources and useful contacts, designed to promote consistency and best practice across the whole rail industry. The information is divided under the following sections: • Alerts & Campaign Material • Communication & Health • Commitment & Rules • Safety Groups • On Site Solutions • Toolbox
RSSB Close Call System www.closecallsystem.co.uk – Register for access	At the request of Network Rail and its contractors, RSSB has developed a new internet-based system that will allow the industry to centrally record and analyse 'Close Call incidents'. This is known as the Close Call System.
Rail Safety and Standards Board http://www.rssb.co.uk – free access	RSSB builds industry-wide consensus and facilitates the resolution of difficult cross-industry issues. They provide knowledge, analysis, a substantial level of technical expertise, powerful information and risk management tools.

Useful Links

Item	Details
Railway Group Standards https://www.rssb.co.uk/standards-catalogue#all-documents – free access Rail Safety & Standards Board Enquiry Desk Phone: 020 3142 5400 Website www.rssb.co.uk	**Purchasing Railway Group Standards** A copy of the order form can be found in the forms section of the RGS Catalogue or from the RGSONLINE website stated above. You will need the following details in order to complete the form: • Railway Group Standards code and title • Quantity • Price • Purchaser's full name, business, address and telephone number • Credit card details, cheque or purchase order number Then fax or post it to **Willsons Printers Limited** at the address below. Please ensure that you include your credit card details, purchase order or a cheque made payable to Willsons Printers. Payments can also be made by BACS - please contact Willsons for company bank details. Orders received will be dispatched within five working days. **Purchasing National Operations Publications** National Operations Publications are Railway Group Standards which set out mandatory requirements for direct application in the workplace. These include: • Modular Rule Book (GERT8000) • Working Manual for Rail Staff: Handling and Carriage of Dangerous Goods (GORM3053) • Working Manual for Rail Staff: Freight Train Operators (GORM3056) • Rule Book Forms Details of these documents can be found in the sections 'Document Titles and Descriptions' for Traffic Operation and Management. As these documents are subject to frequent change, amendments which do not justify the reissue of the module or section of the working manual are published in GERT8001, Changes to National Operations Publications. Willsons Printers Limited supplies the modules and handbooks which make up the Modular Rule Book, Working Manual and Rule Book forms. You can order these documents by contacting **Denise Atkinson** at **Willsons Printers Limited** at the address below: **Willsons Printers Limited** **Highlander House** **Cross Street, Newark** **Nottinghamshire, NG24 1PP** **Tel: 01636702334 Fax: 01636701396** http://www.willsonshop.com
M&EE Networking Group **Codes of Practice** https://www.rssb.co.uk/standards-catalogue#stakeholder-publications **Refine results by selecting Lead Committee**	The M&EE Networking Group is a non profit making group dedicated to the sharing of professional engineering and railway operations information and to provide a focus to the rail industry relating to operational and technical safety of plant. The group is a meeting of the professional heads of mechanical and electrical engineering and operations from infrastructure contractors, Network Rail, RSSB, the Rail Plant Association, London Underground and elected representatives from other infrastructure renewal companies, plant owners, and manufacturers/suppliers of plant and technical services. The M&EE Networking Group produces Codes of Practice and other documents as good practice for all members of the industry.

Useful Links

Item	Details
Rail Sentinel https://www.railsentinel.co.uk/ – registered companies only	**Sentinel Scheme Rules** The latest copy of the scheme rules can be found here: Sentinel Scheme Rules
Office of Rail and Road http://orr.gov.uk/ – free access	Independent safety and economic regulator for Britain's railways, and monitor of performance and efficiency for England's Strategic Road Network.
Rail Accident Investigation Branch http://www.raib.gov.uk/ – free access	Independent railway accident investigation organisation for the UK. It investigates railway accidents and incidents on the UK's railways to improve safety, not to establish blame.

Other Bulletins

Track Safety Alliance
A few videos of interest at the Track Safety Alliance website:
http://www.tracksafetyalliance.co.uk/videos/65/

Southern Shield
Everyone Home Safe Every Day
Southern Shield is a collaborative safety forum that consists of Network Rail Infrastructure Projects Southern Region and its principal contractors. There are many more useful links on their website
https://www.southernshield.co.uk/

- Best Practice https://www.southernshield.co.uk/best-practice/90/
- Safety Messages https://www.southernshield.co.uk/safety-messages/4/
- Health & Wellbeing https://www.southernshield.co.uk/health-and-wellbeing/82/
- Library https://www.southernshield.co.uk/library/3/

Fatigue and caffeine

RSSB

Caffeine warnings

Caffeine is not a long-term solution to fatigue

Do not use if your doctor has told you to avoid it

Stop Look Listen Beware of trains

Caffeine is in many things

Hot drinks (tea, coffee, chocolate)

Energy drinks (cola, Red Bull, Monster)

Energy foods (chocolate, protein bars)

Medicines (cold & flu, pain relief)

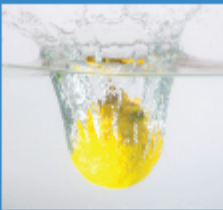| Breaks	Sleep
FATIGUE	
Health & nutrition	**Work & commute**

Read the label – it all adds up!

The Food Standards Agency recommends having no more than 400mg of caffeine a day (4 small cups of coffee). Pregnant and breastfeeding women should have no more than 200mg a day.

Important information about caffeine:

Caffeine has different effects on different people

Caffeine is harmful to health in large doses

Caffeine will NOT reduce your need for sleep. Its effects will wear off and you'll need the same amount of sleep as usual.

Caffeine facts:

The effects of 200mg of caffeine will last between 5-7 hours

If you are going to consume caffeine, have it at the start of your shift so that it doesn't disrupt your sleep.

Having caffeine and then having a short nap of 15-20 minutes can increase alertness and improve performance more than having caffeine alone.

When you add it all up, do you think you exceed the daily limit?

What have you noticed about how caffeine affects you?

Monitor and report fatigue

Look out for signs of fatigue in yourself and others. Tell your manager as soon as possible if you believe that you or a colleague might be too tired to work safely.

Fatigue and Sleep

RSSB

Why is sleep important?
- It's the best way of fighting fatigue
- Our body needs sleep, to repair itself

Breaks	Sleep
FATIGUE	
Health & nutrition	Work & commute

8 hours
Most people need this much sleep in every 24-hour period; some need a bit less and some need more.

5 -6 hours
Getting less than this much sleep will seriously affect you. You will make more mistakes and you might fall asleep.

Struggling to sleep?
- Avoid light – it will wake you up. Use:
  - Sunglasses if you are commuting as a passenger.
  - Blackout blinds or a sleeping mask in your bedroom.
  - Avoid looking at devices with screens before bed.
- Don't eat a large meal just before you sleep, but don't go to bed hungry either.
- Avoid caffeine for at least 6 hours before bed, and don't use alcohol to help you sleep – it will mess with your sleep pattern.
- Don't smoke or exercise before bed.
- Reduce your chances of being woken up by noise.
- Make sure that your room and bed are as comfortable as possible.
- Wind down. Find a routine that works for you and stick to it.

How much sleep did you get last night?

What can you do to improve your sleep?

Monitor and report fatigue
Look out for signs of fatigue in yourself and others. Tell your manager as soon as possible if you believe that you or a colleague might be too tired to work safely.
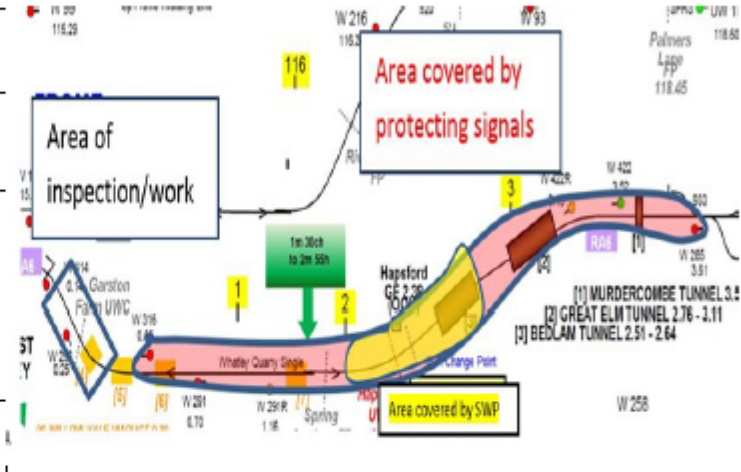
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Safety Bulletin

everyone home
safe and well
every day

Line Block Irregularity 23/02/21

Ref:	WWB21-02 Works Delivery
Date of Issue:	030321
Location:	Single Branch Line at in Frome, Working / inspecting Willow Vale Bridge over bridge on the FNS 2 at 0m 28ch - 0m 32ch
Contact:	Helen Barnes

Overview

On the 23 March 2021 at 14:30 hours ,a Balfour Beatty COSS attended site with one member from a design consultancy organization (AECOM) team. The COSS called the signaller once arriving to the access point . Hapsford Crossing and took the planned line block. The COSS and colleague had undertaken their inspection and were ready to egress track when they heard a train approaching, They got in to a position of safety with a minimum of 10seconds before the train passed them at a relatively low speed (circa 5-10mph). The train then came past and they acknowledge the driver. The COSS then phoned the signaller to question why there was a train coming through the line block. The COSS and Signaller then discussed mileages and the contents of the Safe Work Pack and the COSS realised that the line block was covering a section 2 miles away from their location . The line block had been requested and planned for 2m 5ch- 2m 50ch FNS2 and the bridge being inspected at 0m 30ch, and the access point was at circa 0m 10ch FNS2

Discussion Points:

1. General Point The COSS believed that the structure being looked at, and assessed ,was at 2m 30ch FNS2 although its actually mileage was at 0m 30ch FNS2. Due to this, the Line block did NOT cover the site of work . Could this happen to you and how could you help to prevent it? This is now subject to a Level 2 Investigation

2. You and others? What is your assurance that your Safe Work Pack is planned within the 019 hierarchy ? Make sure as Person in Charge that you have discussed the SWP with the Planner.

3. Culture? Do you Take 5 to review the SWP if you are not familiar with the location?

Wales and Western

Part of our group of Safety Posters

| Safety Alert | Safety Bulletin | Safety Advice | Shared Learning |

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Safety Bulletin

everyone home
safe and well
every day

Machine Controller crushed by RRV 23/02/21

Ref:	WWB 01.03.21
	Works Delivery Western
Date of Issue:	180321
Location:	Tregarne Track Renewal, Cornwall
Contact:	Helen Barnes

Location of the machine controller at the rear of his PC128—re-enacted.
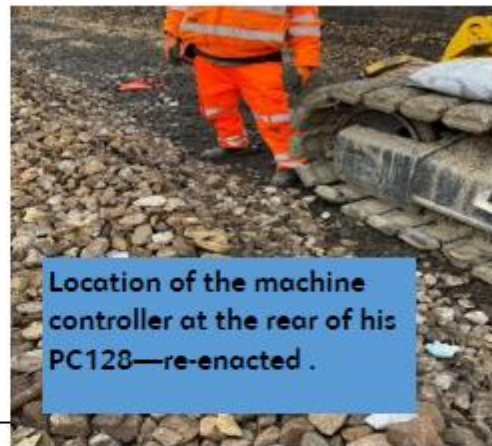
Overview

On the 1ST March 2021 at 08:40 a Machine controller, was struck and run over by a PC128 RRV. PC128 was loading an engineering train, sitting on the adjacent track. A dozer was pushing spoil towards the PC128, which was moving towards the dozer. The PC128 Machine Controller moved up onto the ballast shoulder into a potential blind spot from PC128 and slipped down the ballast shoulder in front of the PC128.

The PC128 rolled over the left ankle, causing a fracture of the Machine Controller, before stopping.

The Machine Controller and Operator were wearing dedicated communications, which have been quarantined for further inspection.

This is now subject to a Level 2 Investigation

Discussion Points:

1. General Point What could have prevented this accident? This is now subject to a Level 2 Investigation

2. You and others? What is your assurance that your work site and colleagues are always adhering to exclusion zones and can help everyone go home safely everyday? Could this happen to you or a colleague and what should we do to help prevent this?

3. Culture? What should you do if you see a colleague who could be harmed, because they may be absorbed or distracted by an activity?

Wales and Western

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W&W v0.2

02-2021

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Other Safety Information

Shared Learning

everyone
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every day

Works Delivery Anglia (Building and Civils): Injury Caused by Crushing

Overview:

- On 27th March at approximately 00:04 operative sustained crushed left thumb while unloading a tool vault. First aid was provided at the site. The Injured Person (IP) was then taken to Ipswich Hospital A&E. X-Ray showed no broken bones but was bruising was evident. The IP then returned to complete his shift with no lost time.

- IP and the other members of the team were briefed with regards to the activity taking place including the removal of a tool vault in advance of the works.

- Post incident the team stood down and were reminded of the requirement to 'Take 5' and to focus on the activity taking place - and to avoid distracting others or being distracted. The IP received the briefing when returning from A&E.

Immediate and Underlying Cause:

- Sometimes the simplest of tasks and those tasks that have been done perhaps hundreds of times can go wrong.

- As part of the Level 1 Investigations it was determined that the IP was rushing to complete the tasks and was also distracted by a co-worker.

(Above) Tool Vault and lifting handle

- However, it was also established that there were no time constraints and no instructions to accelerate progress.

- The IP was very pleased to be able to return to work with nothing more than a bruised thumb, but it was agreed that the injury could have been a lot worse.

Lessons Learnt

- Accidents can happen when doing the simplest of tasks – if time is short then STOP – TAKE 5 – reassess the work and time and agree an alternative plan/ options

- Distractions – don't be distracted by others – and don't distract others when they are undertaking tasks such as manual handling. Wait for a suitable time to talk.

- Complacency – it is easy to become complacent when undertaken routine activities – STOP – TAKE 5 – treat each activity as if it's the first time.

- Manual Handling – make sure the item to be lifted/ carried or pushed/ pulled has been assessed and

Thanks to Works Delivery Anglia for providing this article.

Capital Delivery - Eastern CLIC Page 3

(3E)S² = Exceeding Expectations Everywhere Safely & Sustainably

Shared Learning

everyone home safe every day

Line Blockage irregularity at Norton–On– Tees Signal Box

Summary of Incident:

On the 03/02/2021 the Signaller at Norton – On – Tees signal box completed a conversation with the Protection Controller (PC) arranging a line blockage and subsequently granted a line blockage with associated Authority number. During the conversation the Signaller asked the PC how long they needed to get clear of the line with the PC stating 2 minutes, the Signaller did not believe that he could offer 2 minutes without delaying the next train. The conversation then continued with the Signaller and the PC regarding who would accept any delay to trains, at which point the PC stated, "let's leave it there and I will speak with my line manager." This was in reference to accepting any delays.

Upon completion of the conversation, the PC believed that they had been granted a line blockage. However, the Signaller believed that the request for the line blockage had been abandoned and that the PC no longer wanted a Line Blockage even though the authority number was never cancelled and the line blockage not formally given up.

Lessons Learnt

- Always come to a clear understanding before issuing an authority number for a line blockage.

- Never issue an Authority number until all of the arrangements have been agreed, the protecting signal(s) are placed at danger and the reminder appliance(s) applied for the line/s to be blocked.

- Always repeat the message back so that the other person knows you correctly understand it and request messages be repeated back to you to ensure it has been understood.

- Never assume anything unless a clear understanding has been reached. If a clear understanding cannot be reached, make it clear what the next steps are and that protection cannot be given/line blockage has not been granted.

- Always take lead responsibility if you are the protecting signaler when granting a line blockage. It is your responsibility to ensure the message is understood.

Capital Delivery - Eastern CLIC Page 4

Sentinel card copies

Overview

It is understood that some Sentinel sponsors are withholding Sentinel cards from the people they sponsor, directing them instead to use printed copies or photo images stored on their phone.

The Sentinel Scheme Rules give examples of actions which would be a breach of those rules, including:
"Any event of presenting a falsified or copied Sentinel Card, or claiming a false identity for the purposes of trying to gain entry on managed infrastructure (MI), undertaking a training/assessment activity, presenting themselves for a medical examination or drug and alcohol test." (Rule 4.4)

Anyone intending to work on Network Rail and other infrastructure subject to the Sentinel Scheme Rules must present their original Sentinel card. Electronic or paper copies are not acceptable and will normally mean the holder is denied access to the work site.

If you are asked to swipe in an individual with anything other than a Sentinel card, please report this to SentinelInvestigations@networkrail.co.uk with the Sentinel number and they will contact the sponsor. Sponsors who encourage breaches of the rules will be held to account.

If you have any queries, please contact the Sentinel Helpdesk at sentinel@mitie.com or call 0330 726 2222.

Other Safety Information

Form: NR/L3/OPS/045/F3.27FA Issue 2 (Oct 2020)

TRANSFERRABLE LESSONS FROM SERIOUS OPERATIONAL INCIDENTS / INVESTIGATIONS

Issue:	01	Ref:	Points Run Through Carmarthen	Date:	18/02/2021

Summary of Incident:

On 14th February 2021 during WON 46 Possession item 210 engineering train 6C23 ran through 74 points at Carmarthen Bridge Junction in the reverse position causing serious damage. Both the signaller and PICOP overlooked confirming the position of the points within the possession as required in Rule Book Module T3 Section 2,2.1 and Rule Book Handbook 11 Section 4,4.1

The signaller assumed the PICOP would communicate any points movement requirements and the PICOP assumed that the points were in the normal position. Subsequently 6C23 correctly entered the possession with points placed as per signaller and PICOP agreement but the follow-on journey included traversing over 74 points which had been left in reverse.

Learning Points:

- Signallers and PICOP's must always agree and confirm the position of the points within the possession when agreeing the possession arrangements.
- For Movements into, out of and inside a T3 possession, make use of your route setting cards to ensure the points are in the correct position for any movement.
- Signallers and PICOP's should never assume the position of points to be correct for movements within the possession without checking (Take 5)

NetworkRail

Other Safety Information

Security Notice
A significant message for distribution

ATTEMPTED VAN-JACKING

Classification: **OFFICIAL**

Issued to: CNI Site Contacts, Station Managers and Station Support, Station Operations Specialist & Programme Manager, Security & Contingency Planning Specialists, Group Security, Director Responsible for Security, Route Security and Resilience Leads, Security Champions

CALL YOUR LOCAL POLICE 101
IN AN EMERGENCY ALWAYS CALL 999

Ref: SL069

Date of issue: 07 April 2021

Contact: groupsecurity@networkrail.co.uk

Overview

A member of Siemens staff was driving home alone in an unmarked white van at around 3:30am. Travelling along a quiet part of the A1 westbound approaching Monktonhall, two cars tried to ram the individual from the road and box them in, the driver was able to evade the blocking moves and continue to travel northbound, calling and meeting the Police at a Service Area.

Investigation has found that there had been several vehicles passing the parked van slowly earlier in the night and on one occasion, a car had passed at speed, and then stopped and returned travelling slowly past the parked van.

It has been reported that a number of vans have been stolen within the East Lothian area recently.

What you should do

☐ This type of incident has been known to occur in other parts of the UK. If you drive a van (liveried or not) as part of your job you should:

- When parked in any area, keep doors and windows securely closed and be aware of anyone loitering in the area.

- Be aware of anyone attempting to flag your vehicle down for any reason, drive to a well-lit or busy area to check your vehicle.

- Be aware of changes to your vehicle when you return (such as folded in door mirrors) where you may be tempted to leave the vehicle with the keys in the ignition and get out to adjust / check.

- Be aware of vehicles passing slowly, whether you are parked or travelling, particularly where there is a passenger in the passing vehicle. Where possible record the number plate and call 101 with the details.

- If forced to stop at any time, try to do so in a well-lit area or open section of carriageway and do not offer resistance to the theft of your vehicle that may put you in further danger.

Part of our group of Security Messages (more information on the Security hub)

Security In the know	Security Bulletin	Security Notice	Security Instruction

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Amey Infrastructure Wales

amey
SEILWAITH
INFRASTRUCTURE

HEALTH AND SAFETY BULLETIN

BULLETIN TITLE	Chainsaw Injury		
TARGET AUDIENCE	IM, TRANSFORMATION, IDP'S AND SUPPLY CHAIN	REF NO.	AIW-HSEQ-L5-LRN-NOT-BUL-HS-000029
AUTHORISED BY	STEPHEN WOMACK	DATE OF ISSUE	19/04/2021

REASON FOR THIS HEALTH AND SAFETY BULLETIN

At 03.30 hrs on Sunday the 18th of April, a chainsaw operative undertaking low level de-veg at 20m33ch on the THT line, slipped and lacerated their hand on the blade of the chainsaw they were using.
The operative received first aid on site before being taken to the University of Wales hospital in Cardiff. They were then transferred to Swansea to the specialist hand department at Morriston to undergo surgery as it was believed they may have damaged tendons in their hand. The de-veg works on THT were then stood down for the rest of shift.
The operative came out of surgery at 19.30 hrs on Sunday. They had severed their tendons, nerves and arteries. The latest update from the contractor reports them as sore and tired but comfortable.

ACTION TO BE TAKEN

- Safety Stand Down to be taken on all De-veg work on the 19/04/21
- A briefing to be carried out to the De-veg workforce detailing the chainsaw accident
- All operatives are encouraged to "Shout Out" if conditions, equipment or working practices are unsafe
- All de-veg contractors to review their safety procedures/risk assessments around the use of chainsaws including:
    - Competence of operatives
    - Type of chainsaw
    - Maintenance of the chainsaw
    - Use of the chainsaw
    - Manual handling
    - Task Specific PPE
    - First Aid requirements

Further information can be found at
https://www.hse.gov.uk/treework/safety-topics/chainppe.htm

An Event Review Meeting will also be held between the De-veg contractor and AIW to analyse the accident and form an investigation brief.

Operative Chainsaw Injury – 18-04-21

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INCIDENT FAST FACTS

Pod-Trak

Business Division	
OLE	
Project Location	
King's Cross Remodelling	
Incident Type	
Runaway MEWP	
PT Reference	
PT835	
Client	
Morgan Sindall	
Date of Incident / Accident	
16/5/21	
Time of Incident / Accident	
Approx. 03.30 a.m.	
Lead Investigator	
Simon Cofield	
Investigation Divisional Partner	
J-P Bergez	

Brief Overview of Incident/Accident

On 16/5/21 at around 03.30 a.m., Pod-Trak were on tracking their MEWPs for OLE works.

When on tracking the 3rd MEWP it ran down the Canal Tunnel after on tracking at Argents RRAP, the MEWP ran approximately 600m but remained within the possession limits.

The team working with the MEWP were unharmed and have been taken for statements and a drugs and alcohol screening.

The MEWP is currently off track in quarantine awaiting inspection.

Currently it is believed to be a mechanical issue. The circumstances of the incident are currently under investigation and witness statements have been taken.

Potential Damage/Harm	Actual Damage/Harm	Will it affect ATF?	
Fatal / life-changing injuries	No injuries	Yes ☐	No ☒
Days absent (from time of injury until now)	Days absent predicted	Will it be a RIDDOR	
N/A	N/A	Yes ☐	No ☒

OP03f

PALS
PLAN - ATTITUDE - LEAD - SHARE

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Balfour Beatty

SAFETY ALERT

2021/SA/CRSA002
27/05/2021

Working Safely around OLE in CRSA and Third-Party Isolations

25 kV ac overhead line equipment

Never assume equipment is isolated – always test before touch.

Overview

Please note all third party isolations shall be in accordance with NR/L3/ELP/29987 and for all CRSA isolations ensure that you are familiar with the contents and the additional requirements of the CRSA Overhead Line Isolation Planning Procedure OPS-PR-6204-RAIL.

What Happened?

On the 14 May 2021 at 00:38, a Linesman working in a mobile elevating work platform (MEWP) basket came into contact with live OLE. He suffered serious injuries and remains in hospital.

The MEWP operator also sustained a minor injury requiring hospital treatment and has since been discharged.

The team were undertaking routine planned work on overhead line adjustments for the Central Rail System Alliance.

The investigation has commenced following hand over from British Transport Police to the Office of Rail & Road (ORR). A Level 3 investigation is being led by Network Rail and the investigation team has been confirmed. We are co-operating with them along with the ORR.

The lessons learnt will be established during the investigation and these will be shared in due course.

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SAFETY ALERT

2021/SA/CRSA002
27/05/2021

Actions to be taken

Lifesaving Rule for Test before Touch must be witnessed on 25kV and in accordance with the five-step process:

1) Test before earth – to ensure the equipment is de-energised before applying an earth.
2) Apply earths – eliminate the risk of residual voltage.
3) Always be sure the required plans and permits are in place before you start a job or go on or near the line. For 25kV equipment, this means ensure that you have a Form C in accordance with NR/L3/ELP/29987 which details the limits of the isolation.
4) Test before approach – a check that you are in the right location as per your Form C isolation limits.
5) Retest if you move beyond any inline OLE feature, move to a different track or work on a different conductor.

Working in a CRSA Isolation:

- Nominated persons must undertake a site walkout before the isolation to confirm safe working limits, identify electrical residual hazards, local features and control measures.
- Only trained and competent personnel to carry out safety critical tasks and this must be verified by scanning their Sentinel cards.
- All residual hazards must be identified on the OLE Form C permit including live adjacent equipment, abutting equipment or Live OLE crossing over earthed equipment.
- Nominated Persons issuing OLE Form C permits must be satisfied that the permit holder demonstrates a full understanding of the safe work limits, work to be undertaken, route of travel and electrical residual hazards stated on the OLE Form C permit by asking open-ended questions.
- Any Crane/ Machine controller that cannot demonstrate a clear understanding of the Form C briefing will be refused an OLE Form C permit.
- Where there is planned to be a shift changeover.
  o All Form C permits must be returned to the Nominated Person at the end of each shift with section Part 2 or Part 3 of the Form C completed as instructed.
  o All Form C permits will be briefed and issued to relieving staff at the start of each shift by the Nominated Person.

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- Any alternative arrangements for issuing an OLE Permit/Form C must be planned and approved by the relevant Delivery Unit or designated project engineer.

Working in a Third Party (Non-CRSA) Isolation

- Engage with third party isolation planners to establish what measures will be in place, not losing sight that the Form C permit is our primary method of protection.
- Request permission to use physical demarcation signs/lights as an additional communication measure on CRSA safe working limits (if they're not already being utilised).
- Fully establish whether the third party use blue lights for other uses to eliminate any potential confusion i.e. first aid station or to identify locations of defibrillators.
- CRSA to supply a competent Nominated Person to:
  - Manage third party engagement – PICOP / Whiteboard meetings.
  - Act as the main point of contact.
  - Management of CRSA support staff when providing assistance.
  - Undertake Task Briefing / risk assessment briefing to include site specific controls and briefing on the Life Saving Rules.
  - Engage with lead NP.
  - If agreed apply / remove demarcation lights for CRSA safe working limits. These should always be checked to confirm in fully serviceable condition with fully charged batteries.

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2021/SA/CRSA002
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OHL Construction Activities (including OHL Adjustments):

- All OHL works must be subject to an assessment of electrical risk and must be suitably managed via a task specific risk assessment.
- Any works that are to be undertaken within close proximity to the Safe Working Limits or Residual Hazards must be highlighted and agreed with the Electrification & Plant Manager / OHL Construction Manager.
- A Test Before Touch schedule shall be produced highlighting all OLE in-line features.
- Any Machine Controller with MEWP attachment competence required to attend any OHL duty must also hold OLEC 1 (Access OLE construction sites) competence.
- Ensure that there are clear communications and briefings and confirmation from all staff that they understand the isolations limits and safe working areas. Use open questions to check understanding.

For further information regarding this Alert, please contact Christopher Branch, CRSA (NW&C) Electrification & Plant Manager via Christopher.Branch2@networkrail.co.uk or 07540 539 037 or Paul Kealy CRSA (Eastern) OLE & Electrification & Plant Manager via Paul.Kealy@Networkrail.co.uk or 07498 280 692

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Safety 3-4-3 and Fleet 3-4-3

Safety 3-4-3 and Fleet 3-4-3 will be published and distributed at a later date.