



December 2019 ACS Rail Updates

Welcome to the **December** 2019 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.

We have included on the last page of this newsletter our Bridgeway Calendar for 2020/21 which includes Network Rail Periods and Week Numbers. We hope that you may find this useful.

We would like to wish all our clients a safe Happy Christmas and a prosperous New Year.

The ACS Team

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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.



Changes to Network Rail Standards

Issue 114: 07th December 2019 – 06th March 2020

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. Network Rail Standards can be accessed via:

- For users internal to Network Rail: Network Rail Standards pages on Connect
- For users external to Network Rail: all enquiries should be directed to IHS Customer Care on 01344 328 300 or email customer.support@ihs.com

Other Information

Network Rail Standards Subscriptions

IHS Global Ltd
Phone: 01344 328000

Network Rail Standards & Controls Publications Manager

Neil Whitaker
Phone: 01908 782564

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

Network Rail Technical Drawings

National Records Group
Email: nrgcivils@networkrail.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 Issue 114 - 07 Dec 2019

References	Title	Replaces
NR/L2/CIV/193 Issue 1	Standard Specification for New and Upgraded Lifts	NR/GN/ELP/27230 Issue 1 NR/SP/ELP/27228 Issue 1
NR/L2/CIV/196 Issue 1	Standard Specification for New and Upgraded Escalators	NR/SP/ELP/40067 Issue 2
NR/L2/CTM/202 Issue 3	Quality Assurance of Training and Assessment Organisations	NR/L2/CTM/202 Issue 2
NR/L2/ELP/21131 Issue 3	Warning and Other Signs for A.C. and D.C. Electrified Lines	NR/L2/ELP/21131 Issue 2
NR/L2/ELP/27550 Issue 3	Traction Power Isolation Documentation	NR/L2/ELP/27550 Issue 2
NR/L2/ENV/120 Issue 1	Waste Management	NR/GN/ENV/004 Issue 1 NR/L3/MTC/EN0100 Issue 3 NR/L3/MTC/EN0102 Issue 2
NR/L2/ENV/121 Issue 1	Managing Environmental and Social Impact of Noise and Vibration	RT/D/P/003 Issue 2 RT/LS/G/00022 Issue 2 RT/LS/G/00023 Issue 2 NR/L3/MTC/EN0103 Issue 2
NR/L2/ENV/123 Issue 1	Prevention of Pollution to Land and Water	NR/L3/MTC/EN0098 Issue 4 NR/L3/MTC/EN0101 Issue 3 NR/L3/MTC/EN0104 Issue 2
NR/L2/INI/CP0075 Issue 2	Entry into Operational Service	NR/L2/INI/CP0075 Issue 1
NR/L2/INI/P3M/106 Issue 1	Risk Management for Project, Programme and Portfolio Delivery	New at Issue 114
NR/L2/OHS/003 Issue 9	Fatigue Risk Management	NR/L2/OHS/003 Issue 8
NR/L2/OPS/291 Issue 1	Railway Crime Risk Management	NR/L2/OCS/050 Issue 1
NR/L2/SIG/11704 Issue 5	Signalling Requirements for the Application Design and Management of Points	NR/L2/SIG/11704 Issue 4
NR/L2/SIG/30009 Issue 18	Signalling Principles Handbook	NR/L2/SIG/30009 Issue 17
NR/L2/SIG/30014 Issue 15	Signalling Works Testing Handbook	NR/L2/SIG/30014 Issue 14
NR/L2/TEL/30135 Issue 4	Video Surveillance Systems (CCTV)	NR/L2/TEL/30135 Issue 3 NR/GN/TEL/50017 Issue 1
NR/L2/TRK/001 Issue 14	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 13
NR/L3/CIV/194 Issue 1	Selection and Design of New and Upgraded Lifts	NR/GN/ELP/27230 Issue 1 NR/SP/ELP/27228 Issue 1
NR/L3/CIV/197 Issue 1	Selection and Design of New and Upgraded Escalators and Moving Walk	NR/SP/ELP/40067 Issue 1
NR/L3/ELP/27237 Issue 17	Overhead Line Work Instructions	NR/L3/ELP/27237 Issue 16
NR/L3/INI/P3M/134 Issue 1	Quantitative Cost Risk Assessment (QCRA) for Project, Programme and Portfolio Delivery	New at Issue 114
NR/L3/INI/P3M/135 Issue 1	Quantitative Schedule Risk Assessment (QSRA) for Project, Programme and Portfolio Delivery	New at Issue 114
NR/L3/MTC/MG0213 Issue 14	Index of Standard Maintenance Forms	NR/L3/MTC/MG0213 Issue 13
NR/L3/OPS/009 Issue 4	Track Circuit Operating Device (T-COD) Identification of Locations for Use	NR/L3/OPS/009 Issue 3
NR/L3/OPS/021 Issue 3	Weather Management Index	NR/L3/OPS/021 Issue 2
NR/L3/OPS/045 Issue 9	National Operating Procedures Index	NR/L3/OPS/045 Issue 8
NR/L3/TEL/30005 Issue 1	Working at Height when Accessing Telecoms Assets	New at Issue 114
NR/L3/TEL/30088 Issue 5	Radio Structure Inspections and Maintenance of Antenna Systems and Feeders	NR/L3/TEL/30088 Issue 4
NR/L3/TEL/30181 Issue 3	Telecoms Maintenance Work Instructions Handbook	NR/L3/TEL/30181 Issue 2 NR/L3/TEL/30077 Issue 3
NR/L3/TRK/003 Issue 32	Index of Track Engineering Forms	NR/L3/TRK/003 Issue 31
NR/L3/TRK/1015 Issue 5	Management of Basic Visual Inspection	NR/L3/TRK/1015 Issue 4
NR/L3/TRK/3241 Issue 3	Marking of Track for Tamping Machines	NR/L3/TRK/3241 Issue 2
NR/L3/TRK/3415 Issue 1	Refurbishment of Switches & Crossings	New at Issue 114
NR/L3/TRK/3417 Issue 1	Specification, Installation and Maintenance of Managed Track Position	New at Issue 114
NR/L3/TRK/4004 Issue 3	Switch & Crossing Assemblies	NR/L3/TRK/4004 Issue 2

Standards Updates

Withdrawn, Closed and Superseded Documents

References	Title	Replaced by/Status
NR/GN/ELP/27230 Issue 1	Guidance Note for New and Upgraded Lifts	NR/L2/CIV/193 Issue 1, NR/L3/CIV/194 Issue 1
NR/GN/ENV/004 Issue 1	Waste Management Manual	NR/L2/ENV/120 Issue 1
NR/GN/TEL/50017 Issue 1	CCTV for Stations - Functional, Technical and Operational Requirements	NR/L2/TEL/30135 Issue 4
NR/L2/CTM/202 Issue 2	Quality Assurance in Training & Assessment	NR/L2/CTM/202 Issue 3
NR/L2/ELP/21131 Issue 2	Warning and Other Signs for AC and DC Electrified Lines	NR/L2/ELP/21131 Issue 3
NR/L2/ELP/27550 Issue 2	Traction Power Isolation Documentation	NR/L2/ELP/27550 Issue 3
NR/L2/INI/CP0075 Issue 1	Procedure for the Entry into Operational Service of Railway Infrastructure	NR/L2/INI/CP0075 Issue 2
NR/L2/OHS/003 Issue 8	Fatigue Risk Management	NR/L2/OHS/003 Issue 9
NR/L2/SIG/11704 Issue 4	Signalling Requirements for the Application Design and Management of Points	NR/L2/SIG/11704 Issue 5
NR/L2/SIG/30009 Issue 17	Signalling Principles Handbook	NR/L2/SIG/30009 Issue 18
NR/L2/SIG/30014 Issue 14	Signalling Works Testing Handbook	NR/L2/SIG/30014 Issue 15
NR/L2/TEL/30135 Issue 3	Technical Requirements for Security CCTV Systems on Network Rail Infrastructure	NR/L2/TEL/30135 Issue 4
NR/L2/TRK/001 Issue 13	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 14
NR/L3/ELP/27237 Issue 16	Overhead Line Work Instructions	NR/L3/ELP/27237 Issue 17
NR/L3/MTC/EN0098 Issue 4	Leaks and Spills Incident Response (formerly NR/PRC/MTC/EN0098)	NR/L2/ENV/123 Issue 1
NR/L3/MTC/EN0100 Issue 3	Waste Management	NR/L2/ENV/120 Issue 1
NR/L3/MTC/EN0101 Issue 3	Management of Discharges to Sewers and Controlled Waters	NR/L2/ENV/123 Issue 1
NR/L3/MTC/EN0102 Issue 2	Graffiti, Litter and Fly-Tipping Management (formerly NR/PRC/MTC/EN0102)	NR/L2/ENV/120 Issue 1
NR/L3/MTC/EN0103 Issue 2	Noise and Vibration Management from Maintenance Activities (formerly NR/PRC/MTC/EN0103)	NR/L2/ENV/121 Issue 1
NR/L3/MTC/EN0104 Issue 2	Chemical and Oil Management (formerly NR/PRC/MTC/EN0104)	NR/L2/ENV/123 Issue 1
NR/L3/MTC/MG0213 Issue 13	Index of Standard Maintenance Forms	NR/L3/MTC/MG0213 Issue 14
NR/L3/OHS/133 Issue 1	Planning and Delivering Safe Work using Proscient in the East Midlands	Withdrawn
NR/L3/OPS/009 Issue 3	Track Circuit Operating Device (T-Cod) Identification and Locations for Use	NR/L3/OPS/009 Issue 4
NR/L3/OPS/021 Issue 2	Weather Management Index	NR/L3/OPS/021 Issue 3
NR/L3/OPS/045 Issue 8	National Operating Procedures Index	NR/L3/OPS/045 Issue 9
NR/L3/TEL/30077 Issue 3	Specification for the Maintenance of Cable Distribution Frames and Location Cases (formerly NR/L2/TEL/30077)	NR/L3/TEL/30181 Issue 3
NR/L3/TEL/30088 Issue 4	Planned Preventative Maintenance of Radio Structures, Antennas and Feeders	NR/L3/TEL/30088 Issue 5
NR/L3/TEL/30181 Issue 2	Telecoms Maintenance Work Instructions Handbook	NR/L3/TEL/30181 Issue 3
NR/L3/TRK/003 Issue 31	Index of Track Engineering Forms	NR/L3/TRK/003 Issue 32
NR/L3/TRK/1015 Issue 4	Management of Basic Visual Inspection	NR/L3/TRK/1015 Issue 5
NR/L3/TRK/3241 Issue 2	Marking of Track for Tamping Machines	NR/L3/TRK/3241 Issue 3
NR/L3/TRK/4004 Issue 2	Switch & Crossing Assemblies	NR/L3/TRK/4004 Issue 3
NR/SP/ELP/27228 Issue 1	Specification for New and Upgraded Lifts	NR/L2/CIV/193 Issue 1 NR/L3/CIV/194 Issue 1
NR/SP/ELP/40067 Issue 2	The Installation and Upgrading of Escalators and Passenger Conveyors	NR/L2/CIV/196 Issue 1 NR/L3/CIV/197 Issue 1
RT/D/P/003 Issue 2	Noise & Vibration Complaints (NR/SP/ENV/003)	NR/L2/ENV/121 Issue 1
RT/LS/G/00022 Issue 2	Construction Noise Mitigation Through the Section 61 Consent Process (NR/GN/ENV/00022)	NR/L2/ENV/121 Issue 1

Standards Updates



References	Title	Replaced by/Status
RT/LS/G/00023 Issue 2	Best Practicable Means: Control of Noise and Vibration from Construction Operations (NR/GN/ENV/00023)	NR/L2/ENV/121 Issue 1

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.

Historic changes (where text has been crossed out) will be removed next publication. Please note, some changes may stay current after the stated Expiry Date

Reference	Title	Issue	Date
NR/BS/LI/427	Standard affected: NR/L2/ELP/27229 (Issue 2), Specification for Remote Control Equipment for Electrical Distribution Systems	1	13/11/2019
NR/BS/LI/426	Standard/control document affected: NR/L1/CIV/032 (Issue 2), The Management of Structures	1	26/07/2019
NR/BS/LI/425	Standard/control document affected: NR/L2/ELP/27325 Train Borne Monitoring of Traction Power Contact Systems	1	10/05/2019
NR/BS/LI/424	Standard/control document affected: NR/SP/SIG/19812 (issue 1), Cross Track Cable Management	1	18/04/2019
NR/BS/LI/423	Standard/control documents affected: NR/L2/TRK/001/mod07 [Issue: 8] Management of Rail Defects	1	11/03/2019
NR/BS/LI/422	Standard/control documents affected: NR/L3/TRK/055/U15 (Issue 1), [Ultrasonic Testing of Rail using the Sperry Roller Search Unit Rail Testing System Including Identification & Sizing of 370 Suspects Reported by the UTU]	1	11/03/2019
NR/BS/LI/421	Standard/control document affected: NR/L2/TRK/053 (Issue 7), Inspection and Repair Procedures to Reduce the Risk of Derailment at Switches. SUPERSEDED BY NR/L2/TRK/053 ISSUE 8. HISTORIC ON 07 DECEMBER 2019	1	20/03/2019
NR/BS/LI/420	Standard/control document affected: NR/SP/ELP/21060 (Issue 2), Issue of Safety Documentation for Work on 650/750 V dc Apparatus	1	29/04/2019
NR/BS/LI/419	Standard/control document affected: NR/L3/ELP/29987 [Working On or About 25 kV a.c. Electrified Lines] (Issue 5)	1	13/02/2019
NR/BS/LI/416	Standard/control document affected: NR/L2/CTM/018 Issue 2, Competency & Training in Traction Power	1	05/02/2019
NR/BS/LI/415	Standard/control document affected: NR/L3/TEL/30170 (Issue 1) Work Instruction for the maintenance of public address voice alarm (PAVA) equipment. SUPERSEDED BY NR/L3/TEL/30170. HISTORIC ON 07 DECEMBER 2019	1	10/12/2018
NR/BS/LI/413	Standard/control document affected: NR/L2/OHS/022 Issue 1, Working Safely at Height. SUPERSEDED BY NR/L2/OHS/022 ISSUE 2 – HISTORIC ON 10 JANUARY 2020	1	04/01/2019
NR/BS/LI/410	Standard affected: NR/L2/ELP/27229 (Issue 2), Specification for remote control equipment for electrical distribution systems	1	14/12/2018
NR/BS/LI/397	Standard/control document affected: NR/SP/CTM/016 Issue 1, Competency & Training in Fixed Plant Engineering	1	20/04/2018
NR/BS/LI/389	Standard affected: NR/L2/SIG/30009 (Issue 11). Signalling Principles Handbook	1	13/02/2017
NR/BS/LI/387	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	26/07/2017
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/365	Standard affected: NR/L3/TRK/4004 (Issue 2). Switch and Crossing Assemblies SUPERSEDED BY NR/L3/TRK/4004 ISSUE 3 – HISTORIC ON 7TH MARCH 2020	2	16/06/2016
NR/BS/LI/348	Requirements for Undertaking the Roles of Lead Examiner and Examining Engineer for the Examination of Tunnels. Standards affected: NR/L3/CIV/006 Part 4A Issue 1, NR/L3/CIV/006 Part 4B Issue 1 and NR/L3/CIV/006 Part 1D Issue 1. SUPERSEDED BY NR/L3/CIV/006 ISSUE 9 – HISTORIC ON 1 APRIL 2021	1	23/02/2015
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	1	13/04/2016

Standards Updates

	A.C. and D.C. Electrified Lines		
NR/BS/LI/340	Standards affected: NR/L3/TRK/4004 (Issue 2). Switch and Crossing Assemblies SUPERSEDED BY NR/L3/TRK/4004 ISSUE 3 – HISTORIC ON 7TH MARCH 2020	1	07/01/2015
NR/BS/LI/331	Requirements for Parapet Heights on Over Bridge and Footbridge Structures Spanning Overhead Line Electrification Equipment	2	07/08/2015
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
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/283	Standard affected: NR/L3/TRK/4004 (Issue 2). Switch and Crossing Assemblies SUPERSEDED BY NR/L3/TRK/4004 ISSUE 3 – HISTORIC ON 7TH MARCH 2020	2	14/09/201
NR/BS/LI/256	Standard affected: NR/SP/ELP/27243 (Issue 1). Specification for Signalling Power Supplies	2	24/10/201
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/193	Standards affected: NR/L3/CIV/006 Part 11A: Reporting and Recording Examinations of Structures in CARRS [Issue 2] SUPERSEDED BY NR/L3/CIV/006 – HISTORIC ON 1 APRIL 2020	2	03/09/2014
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/097	Standard affected NR/WI/ELP/27052 Work Instructions for DC Electrified Lines in the Northern City Line	1	04/06/2008
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/084	Project D686: Western Territory 650 V Cable Renewals	1	18/04/2008
NR/BS/LI/072	STL Auxiliary Transformer Failures at Traction Substations or Switching Stations	4	19/10/2007
NR/BS/LI/061	Dangerous Incident Notification: 11kV Indoor Switchgear Type YSF6 Manufactured by Yorkshire Switchgear	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/056	Permal Bushings: Access Restrictions	1	11/09/2006
NR/BS/LI/047 - E&P	Bimold Connections on Rectifier Transformers at DC Traction Substations	1	05/05/2006
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](#)
- [Document structure and type categories](#)
- [Railway Group Standards Help Manual](#)
- [Rule Book module matrix](#)

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.

<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 Briefing Leaflet

[GERT8000-RBBL Iss 32.1](#)

Issued: 01/06/2019

In Force: 01/06/2019

[GERT8000-RBBL Iss 33](#)

Issued: 07/09/2019

In Force: 07/12/2019

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.

[GERM8000-master-module Iss 6](#)

Issued: 07/09/2019

In Force: 07/12/2019

Withdrawn: 07/12/2019

[GERM8000-master-module Iss 7.pdf](#)

Issued: 07/09/2019

In Force: 07/12/2019



Controlled Document List 07 December 2019

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

Ref. / Title	Issue No	Issue Date
GROUP STANDARDS - http://www.rssb.co.uk/railway-group-standards		
Modular Rulebook GE/RT8000/ (See separate page for listed modules and issue dates)	-----	-----
GERM8000-master-module Master Module Manual	7	09/2019
GERM8000 Track Workers Manual	6	09/2019
GERM8000 Possession Workers Manual	4	09/2019
GLRT1210 AC Energy Subsystem and Interfaces to Rolling Stock Subsystem	2	12/2019
GLRT1210 AC Energy Subsystem and Interfaces to Rolling Stock Subsystem	4	12/2014
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-3118-TOM Incident Response Planning & Management	4	12/2016
RIS-3119-TOM 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-3701-TOM Confidential Reporting System for Rail Staff	2	09/2019
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	A3	02/2014
LUL G1249 Environmental Incident Categories	A5	07/2018
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

Controlled Documents



Ref. / Title	Issue No	Issue Date
LONDON UNDERGROUND (LU) STANDARDS		
LUL S1552 Contract QUENSH Conditions	A18	11/2016
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	114	12/2019
PTS Handbook RT 3170	09	06/2013
NR/L2/AMG/1030 Working Safely in the Vicinity of Buried Services	1	12/2008
NR/GN/CIV/208 Ground Investigation	1	12/2018
NR/L2/CIV/003 Engineering and Architectural Assurance of Building and Civil Engineering Works	5	12/2018
NR/L2/CIV/035 Management of Structures	2	06/2019
NR/L3/CIV/040 Work Instruction for the use of Protective Coating Systems	2	06/2019
NR/L2/CIV/086 Management of Earthworks	9	03/2019
NR/L2/CIV/295 Scour Assessment of Bridges, Culverts and Retaining Walls	2	09/2018
NR/L3/CIV/006 Handbook for the Examination of Structures	9	09/2019
NR/L3/CIV/170 Assessment of Tunnels	1	03/2019
NR/L3/CIV/185 Management of Reports of Safety Related Geotechnical Incidents	1	09/2017
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	7	03/2018
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/201 Competence Management	2	03/2012
NR/L2/CTM/202 Quality Assurance in Training & Assessment	3	12/2019
NR/L2/CTM/202 Quality Assurance in Training & Assessment	2	12/2011
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/223 Competence & Training in Managing Site Safety	1	06/2011
NR/L2/ELP/21087 Risk Based Maintenance for Overhead Line Assets	8	09/2018
NR/L2/ELP/21088 General maintenance parameters for 25 kV overhead line electrification equipment	3	12/2015

Controlled Documents



Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/L2/ELP/27009 Overhead Line Equipment Campaign Changes	3	03/2017
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/L3/ELP/27051 Working Instructions for d.c. Electrified Lines in the Liverpool Area	6	09/2019
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/27237 Overhead Line Work Instructions	17	12/2019
NR/L3/ELP/27237 Overhead Line Work Instructions	16	09/2018
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/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/123 Prevention of Pollution to Land and Water	1	12/2019
NR/L2/ENV/015 Environment and Social Minimum Requirements for Projects – Design and Construction	8	03/2019
NR/L2/ENV/115 Environment and Social Management System Requirements	1	03/2018
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/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	5	06/2017
NR/L2/INV/002 Accident and Incident Reporting and Investigation	13	12/2011
NR/L3/INV/3001 Reporting and Investigation Manual	5	06/2016
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/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

Controlled Documents



Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
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	14	12/2019
NR/L3/MTC/MG0213 Index of Standard Maintenance Forms	13	06/2019
NR/L3/MTC/RCS0216 Risk Control Manual	15	09/2019
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/CS/OHS/002 Policy on Working Safely	1	02/2007
NR/L1/OHS/051 Drugs and Alcohol	6	12/2015
NR/L1/OHS/052 Traumatic Incident Management	1	06/2016
NR/L1/OHS/053 Assessing Risk of Stress in the Workplace	1	06/2016
NR/L2/OHS/00110 First Aid at Work	6	09/2017
NR/L2/OHS/00112 Worksafe Procedure	2	12/2009
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/003 Fatigue Risk	8	06/2019
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	9	03/2017
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	1	09/2010
NR/L2/OHS/050 Sentinel Scheme Rules	4	03/2011
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
NR/L3/OHS/019-IP Planning and Delivering Safe Work – Implementation Principles for Infrastructure Projects	1	06/2018
NR/L3/OHS/133 Planning and Delivering Safe Work Using Proscient in the East Midlands WITHDRAWN	1	06/2017
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/L3/OPS/084 Line Clear Arrangements Following Engineering Works in Axle Counter Areas – Line Clear Verification Process (formerly NR/L3/OCS/084)	4	09/2018
NR/L3/OPS/251 Unmanned Aircraft System (Drone/UAS) Operations	3	09/2019
NR/L2/OPS/291 Railway Crime Risk Management	1	12/2019

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Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/GN/OTK/5000 Issue 1 Index of Off-Track Drawings	1	06/2019
NR/L2/OTK/5201 Lineside Vegetation Management Manual	3	09/2019
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/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/L3/SCO/313 On-Track Machines (OTMs) Driver and Operations Standards Manual	7	09/2019
NR/L3/SCO/314 Engineering Assurance for T&RS, OTM and OTP Projects	1	12/2018
NR/SIN/185 Identification and Inspection of Plain-Lined S&C	1	06/2019
NR/L2/SIG/11201 Signalling Design Handbook	11	06/2018
NR/L2/SIG/14201 Signalling Risk Assessment Handbook	4	03/2019
NR/L2/SIG/30009 Signalling Principles Handbook	18	12/2019
NR/L2/SIG/30009 Signalling Principles Handbook	17	09/2019
NR/L2/SIG/30014 Signalling Works Testing Handbook	15	12/2019
NR/L2/SIG/30014 Signalling Works Testing Handbook	14	06/2019
NR/L3/SIG/10064 General Instructions to Staff Working on S&T Equipment	8	06/2019
NR/L3/SIG/10661 Signal Maintenance Task Intervals	18	06/2019
NR/L3/SIG/10663 Signal Maintenance Specifications	10	06/2019
NR/L3/SIG/11231 Signal Maintenance Testing Handbook	13	06/2019
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
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/GN/TRK/7001 Index of Track Work Information Sheets (TWI)	16	09/2019
NR/L2/TRK/001 Inspection and Maintenance of Permanent Way	14	12/2019

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Ref. / Title	Issue No	Issue Date
NETWORK RAIL STANDARDS		
NR/L2/TRK/001 Inspection and Maintenance of Permanent Way	13	09/2019
NR/L3/TRK/003 Index of Track Engineering Forms	32	12/2019
NR/L3/TRK/003 Index of Track Engineering Forms	31	09/2019
NR/L3/TRK/3530 Track Lubricants	1	06/2012
NR/L3/TRK/7006 Creation and Application of Initial ESR Design	1	03/2019

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	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/	V3 11 June 2018 Compliance Date 9 Jul 2018

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
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

Controlled Documents



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 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 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

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)

Name & Issue	Issue Date	Title	Synopsis
GERT8000-RBBL Iss 33	Sep 2019	Rule Book Briefing Leaflet	This Leaflet contains details of changes being published in September 2019 and in-force December 2019.
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 5	Sep 2018	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.
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.
GERT8000-G1 Iss 6	Sep 2015	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) and a signaller or crossing keeper in General safety responsibilities and personal track safety for non-track workers. This document has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB1 Iss 4	Sep 2015	General duties and track safety for track workers	This 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). This handbook has been updated as part of the December 2015 Rule Book Programme.
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



Name & Issue	Issue Date	Title	Synopsis
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 5	Sep 2015	General duties of an individual working alone	This handbook is for those personnel with general duties of an individual working alone (IWA). This handbook has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB7 Iss 6	Sep 2019	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-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 7	Sep 2019	Duties of the person in charge of a possession (PICOP)	You will need this handbook if you carry out the duties of the PICOP.
GERT8000-HB12 Iss 7	Sep 2019	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.
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 2	Mar 2014	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 3	Sep 2015	Work on signalling equipment - duties of the signalling technician	You will need this handbook if you carry out the duties of a signalling technician. This document has been updated as part of the December 2015 Rule Book Programme

Controlled Documents



Name & Issue	Issue Date	Title	Synopsis
GERT8000-HB20 Iss 2	Sep 2015	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. This document has been updated as part of the December 2015 Rule Book Programme.
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-OTM Iss 8	Sep 2017	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, operator of an on-track machine or signaller. This document has been updated as part of the December 2015 Rule Book Programme.
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 8	Sep 2017	Possession of a running line for engineering work	You will need this module if you carry out the duties of a driver or signaller. Information on changes to the issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 29)



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)

Safety Bulletins as of 9th December 2019

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/>

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 NRB19-16](#) October 3, 2019
- [Safety Bulletin NRB19-15 – Insecure access points](#) September 30, 2019
- [Safety Bulletin NRB19-14 – Injury to a member of the public](#) October 2, 2019
- [Safety Bulletin NRB19-13 – On-Track Machine Runaway at Taunton Operating Base](#) September 20, 2019
- [Safety Bulletin NRB19-12 – Continuing near misses with track workers](#) September 12, 2019

Safety Advice

- [NRA19-13 – Access gate safety](#) October 28, 2019
- NRA19-12 not available
- [Safety-Advice-NRA19-11-Stop-use-notice](#) September 18, 2019

Other documents

- None

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](#)

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**



Useful Links

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

Item	Details
<p>Health and Safety Executive http://www.hse.gov.uk – Website</p>	<p>Government agency responsible for regulating risks to health and safety arising from work. HSE publications can be downloaded free in Adobe PDF format.</p>
<p>CIRAS Online http://www.ciras.org.uk – free access</p>	<p>The Confidential Incident Reporting and Analysis System Freephone number 0800 4 101 101.</p>
<p>Network Rail http://www.networkrail.co.uk – Website</p>	<p>Owner and operator of Britain's railway infrastructure.</p>
<p>Network Rail Standards http://www.ihserc.com/ – subscription required</p> <p>Network Rail Standards Subscriptions IHS Global Ltd Phone: 01344 328000</p> <p>Network Rail Standards Management Publications Manager Nicole Lockwood Phone: 01908 782 481</p> <p>Network Rail Standards Hard Copy Document Centre IHS Retail Phone: 01344 328039 Fax: 01344 328005 or email: emeastore@ihs.com</p> <p>Network Rail Technical Drawings National Records Group Email: nrgcivils@networkrail.co.uk</p>	<p>All current Network Rail standards are available via the IHS website.</p> <p>How do I become an annual subscriber to an IHS product? IHS business packages are available to purchase on an Annual Subscription basis by either Core Selection Criteria or individual/additional supplements.</p> <p>Upon receiving the above information, we will be in contact to confirm your exact requirements along with pricing details. Before issuing a Password for Internet Access or forwarding CD ROMs we will require an official Purchase Order No. from your Company.</p>
<p>Network Rail Safety Central http://safety.networkrail.co.uk – free access</p>	<p>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:</p> <ul style="list-style-type: none"> • Alerts & Campaign Material • Communication & Health • Commitment & Rules • Safety Groups • On Site Solutions • Toolbox
<p>RSSB Close Call System www.closecallsystem.co.uk – Register for access</p>	<p>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.</p>

Useful Links



Item	Details
<p>Rail Safety and Standards Board http://www.rssb.co.uk – free access</p>	<p>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.</p>
<p>RSSB Websites & Online Services http://www.rssb.co.uk/rssb-websites-and-services</p>	<p>RSSB Websites & Online Services</p> <p>This is a very useful page that provides links to various other websites. These websites are fully or partially hosted by RSSB and other external organisations within the rail industry to you with useful resources and tools.</p>



Item	Details
<p>Railway Group Standards http://www.rssb.co.uk/rgs – free access</p> <p>Rail Safety & Standards Board Enquiry Desk Phone: 020 3142 5400 Website www.rssb.co.uk</p>	<p>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:</p> <ul style="list-style-type: none"> • 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 <p>Then fax or post it to Willsons Printers Limited at the address below.</p> <p>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.</p> <p>Purchasing National Operations Publications National Operations Publications are Railway Group Standards which set out mandatory requirements for direct application in the workplace. These include:</p> <ul style="list-style-type: none"> • 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 <p>Details of these documents can be found in the sections 'Document Titles and Descriptions' for Traffic Operation and Management.</p> <p>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.</p> <p>Willsons Printers Limited supplies the modules and handbooks which make up the Modular Rule Book, Working Manual and Rule Book forms.</p> <p>You can order these documents by contacting Denise Atkinson at Willsons Printers Limited at the address below:</p> <p>Willsons Printers Limited Highlander House Cross Street, Newark Nottinghamshire, NG24 1PP Tel: 01636702334 Fax: 01636701396 http://www.willsonshop.com</p>
<p>M&EE Networking Group Codes of Practice http://www.rssb.co.uk/rgs</p>	<p>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</p>

Useful Links



Item	Details
<p>Refine results by selecting Lead Committee</p>	<p>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.</p> <p>The M&EE Networking Group produces Codes of Practice and other documents as good practice for all members of the industry.</p>
<p>Rail Sentinel https://www.railsentinel.co.uk/ – registered companies only</p>	<p>Sentinel Scheme Rules The latest copy of the scheme rules can be found here: Sentinel Scheme Rules (bottom of website)</p>
<p>Office of Rail and Road http://orr.gov.uk/ – free access</p>	<p>Independent safety and economic regulator for Britain's railways, and monitor of performance and efficiency for England's Strategic Road Network.</p>
<p>Rail Accident Investigation Branch http://www.raib.gov.uk/ – free access</p>	<p>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.</p>



Other Safety Information

Other Bulletins

Planning and Delivering Safe Work

Standard 019 – Safety of people at work on or near the line is now live.
<https://safety.networkrail.co.uk/safety/planning-and-delivering-safe-work/>

Working at Height

In January 2019 an Emergency Change NR/BS/LI413 was implemented. this affect Standard NR/L2/OHS/022 issue 1 Working Safely at Height.

- [Emergency Change – Working Safely at Heights – January 2019](#) PPTX / 30 Jan 2019
- [Working at height ukxi_20050735_en](#) PDF / 30 Jan 2019
- [Safe use of ladders HSE indg455](#) PDF / 30 Jan 2019
- [Working at Height HSE indg401](#) PDF / 30 Jan 2019

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/>



John Constantine BSc FRICS
Contracts & Procurement Manager –
East Coast, North & East and East Midlands Route

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W www.networkrail.co.uk

Dear Sirs,

We are continuing to experience near misses in Eastern Region. A review has identified that we need to review how we work in warning / red zone situations using unassisted lookouts.

This letter shall be applied consistently to all contractors working for the region, and is whether your contract is for maintenance, works delivery or infrastructure projects works.

Warning / Red zone ~ working Instruction:

- Warning / red zones with unassisted lookouts and people undertaking work alone using IWA competence will be removed for all work from the 1st January 2020;
- From Monday 16th September; All warning / red zone working with unassisted lookouts need to be sent to the Programme Manager / Director or equivalent acceptance after having already been authorised by a contractor operational director
- From Monday 16th September; All red zone walking i.e. access and egress with unassisted lookouts need to be sent to the Programme Manager for sign off;
- Emergency work arises that require the implementation of a SSOW using equipment warning or lookouts that prevent the adherence to the seven day and 48-hour requirement still require contractors to receive written acceptance of the SSOW by Network Rail Project Director before the SSOW can be used;
- The relevant HSE team (delivery unit, works delivery or Infrastructure Projects) will need to be notified;
- The role of Possession Support (PS) (possessions) and Authorised Person (AP) (isolations) will remain unchanged. If access for the possession is outside the possession limits a line block will still be required. The Senior Operations Delivery Manager will oversee and review the plan and future changes;
- Contractors should create an internal process to log the requirement and provide justification for the use of the red zone working before submission to Network Rail;
- Contractors are required to assure red zone working activities and provide network rail evidence these are being carried out correctly
- Contractors are required to periodically send the log of any warning/red zone access arrangements used / declined.

To ensure that both the use of open line working with unassisted lookout and the execution of all plans are being adhered to, a level of increased assurance will take place.

Over the next few months we will continue to look at providing safe and appropriate access. Please send all feedback for consideration of this working group to your normal HSE contact.

Yours Faithfully,

John Constantine



NetworkRail

SAI (a.c.) Newsletter

November 2019 - Issue 5

Introduction

The SAI (a.c.) Project is part of the wider Electrical Safety Delivery (ESD) Programme.

They are aiming to increase workforce safety, deliver performance improvements, and increase Network Rail's (NR) compliance with the Electricity at Work Regulations (EaWR) 1989.

NR/L3/ELP/29987 (aka. Green Book) will be replaced by NR/L3/ELP/25000 during trial, and only identified personnel working within the agreed trial area (Ashton, which is just north of Hanslope Junction to Hillmorton) will be using the new standard.



Communications

As a project we aim to make sure all our stakeholders are kept up to date with information and progress.

However, we can only act upon information that we are made aware of.

Therefore, we urge you to provide feedback, ask any questions and advise us of any improvements that could be made as soon as possible (ASAP) to AC-SAI@networkrail.co.uk where we will aim to respond within 48 hours.

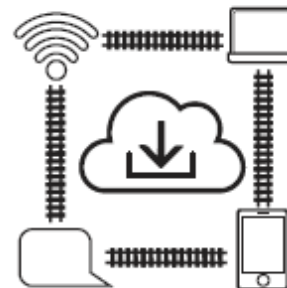
Alternatively, you can speak to any of the Project team who were detailed in Issue 2.

SAI 25000 Trial Updates - Training

We are now into week 12 of training and DRACAS feedback captured so far, has been mainly positive.

There have been a total of 347 people trained via classroom courses so far with a percentage pass rate of 99.8%

If you have not passed, you will not be allowed to work on site for the trial.



PTS ac SAI and OTP Core SAI eLearning courses are now available on both Moodle platforms for NR and External invitees.

Only identified persons working on the trial have been pre-registered on these courses.

Everyone who has undertaken SAI training should check their Sentinel competences to ensure they are updated correctly.

You Said --- We Did -- Tell Us More

- **Issues with access to Safety Central**

This concern been raised with RS-IT and is being looked in to. Google-Chrome is the best platform to utilise at present until fully understood.

The site is updated regularly so please keep checking for new information.

- **Communications being cascaded**

Posters will start to appear throughout DUs, external locations and sent direct by email.

- **Aspects of the previously approved Risk Assessment Form**

A working group will be looking at this in depth and information shared when ready.

We are keenly aware that not many questions have been received and will also be distributing comment boxes at locations.

We urge all involved to send any feedback observations, questions or suggestions to the dedicated email (see comms to the left), so we can action accordingly, and update ASAP.





Safety Instruction



Eastern Region

From: Safety Leads in Eastern
Ref: Eastern 2019—01
Date of issue: 13 September 2019

Open Line Working

In the weeks after Morgom we continue to have near miss incidents on the Eastern Region. As a result, we need make a step change to reduce work with unassisted lookouts and use systems further up the hierarchy.

The follow is to be introduced to all works taking place on the Eastern Region including contractors working for IP, Works Delivery, Maintenance and Asset Management:

From 16 September 2019

All open line working with unassisted lookouts must be signed off by the technical lead for that project or depot (Engineer, WHSEA, IME, IMDM, Project Manager)

From 1 January 2019

All open line working with unassisted lookouts will be prohibited unless it is signed and agreed by senior management (Programme Director, Head of Maintenance)

Those signing off work with unassisted lookouts must be assured that:

- That all other methods of working higher up the hierarchy have been considered and are unachievable.
- That the staff undertaking the work have sufficient competence, experience and local knowledge to undertake the task.

To support these controls, the following must also be in place:

Assurance - in the form of management site visits must take place. For example, Maintenance, IMEs have committed to spending two days a week visiting teams working on track. This is to check that work is taking place as planned.

Monitoring - the location, type and volume of work taking place with unassisted lookouts. This is to identify locations and activities where it is difficult to utilise systems further up the hierarchy.

Feedback – Findings of monitoring and assurance to Route or Project Safety team who will provide support in finding solutions at local level and as well as help develop Regional and network wide solutions. This feedback should also include suggestions and solutions that can be adopted on the Region.

This instruction applies to:

- All work taking place on or near the line with unassisted lookouts
- Walking to and from a site of work, unless on an Authorised Walking Route
- Working or walking alone (IWA)





Safety Bulletin

A serious incident has taken place



HV Cable Strike

Issued to: Works Delivery South East

Ref: WDSER26SEPT01

Date of Issue: 26th September 2019

Location: Clock House

Contact: Chloe Feekings HSEA 07747480334

Overview

A contractor working on behalf of Works delivery SE carrying out fencing installation struck a 11Kv Cable and received a minor shock and burns to the hands.

The team had commenced work on site installing fence posts into pre-dug holes when the IP made contact with the UKPN power cable with a metal fence post.

The IP was taken to hospital for treatment for the burns sustained.

This investigation is currently under a full investigation.

Discussion Points

- Always ensure buried service reports are available and briefed on site where applicable
- If any identified services are found during excavation stop work immediately and escalate
- Never assume a cable is isolated
- When working in a known cable location follow any supplied cable management plan
- Always plan works to avoid underground services, where this is not possible ensure plans are in place to minimise risk of contact with services and ensure the plan is followed on site
- Ensure all known cables are clearly identified on site
- Ensure they are competent personnel on site at all times and competent supervision
- Use a Cable Locator (cat) to detect exact locations of buried services prior to carrying out excavation work (where required use a Signal Generator (Genny)).

Part of our group of Safety Bulletins

Safety Alert **Safety Bulletin** **Safety Advice** **Shared Learning**



Safety Bulletin

A serious incident has taken place



Near miss

Issued to: Southern Region
Date of Issue: 25/10/19
Location: Crofton Park/Nunhead
Contact: Jan Kardas, WHSEA Kent & Sussex



Overview

On the 22 October a train driver reported a near miss with a member of staff crossing the Up Catford Loop line between Crofton Park and Nunhead.

The team had a planned Safe System of Work to do a lifting and packing job. After the initial review of the CCTV footage, it is clear that a near miss occurred, with the member of staff in a position of safety for less than 10 seconds.

This incident is currently under a full investigation.

Key Learning / Discussion Points

- Before you go on or near the line, you must make sure you fully understand the Safe System of Work
- Are you comfortable with raising Worksafe Procedure?
- Whenever circumstances change the revised Safe System of Work should be re-briefed by the COSS/PIC
- Do you test your Safe System of Work before starting work?
- Do you have access to range finder and know how to use it?

Part of our group of Safety Bulletins

Safety Alert | Safety Bulletin | Safety Advice | Shared Learning

Kent Route

Safety Bulletin

Ref: WNB 1921 Eye Injury



Western Route

Issue to: Western Route

Date: 22.11.19

Location: Purton Collins lane – Swindon Station

Contact: Louise Evatt, Head of Route Safety, Health and Environment Western Route

Eye Injury

Overview

On 18 November 2019 a colleague from the Off-Track team working at Purton was carrying out a boundary fence inspection when they decided to re-tension the wire. During this activity a piece of wire snapped and flicked up into their eye causing a puncture wound for which they are undergoing hospital treatment.

The individual was working alone and at the time of the accident were not wearing safety glasses, though they were provided.

Discussion Points

- Do you stop to Take 5
- At the start of a shift?
- Before commencing a new task?
- At the end of a task?
- When anything changes?
- Is there a safer way of doing the task? Remember PPE is the last form of defence.
- Do your task risk control sheets adequately identify PPE requirements?
- Do you select different eye protection depending on the task being carried out?
- Is eye protection covered in your safety briefs?
- Do you ensure the task specific PPE is available before carrying out a task?
- Do a PPE Audit- do you have all the required PPE and is it in good order?
- What arrangements do you have in place for lone working? Consider what would happen in an emergency, are your controls good enough?
- Always Take 5 and Think Risk before starting any new activity.
- If it's not safe, don't do it. Remember the work safe procedure.



Safety Bulletin

Ref: WWB19/005

Serious Head Injury Sustained



Capital Delivery Wales & Western

Issue to: Wales & Western

Date: 25/11/19

Location: Newport, South Wales

Contact: Suzanne Kay, Head of
Safety & Sustainable
Development

Overview

On the morning of 22nd November 2019, at approximately 01:20, a subcontractor was installing a “dead section” (insulator) in the existing catenary wire at Green Lane, Newport.

The activity required the two operatives to work from a MEWP basket to replace a section of the OLE wire. This was done using rigging equipment to clamp the section of wire to be replaced then tensioning the wire using a winch. This allows the section of wire within the clamps to be cut out and replaced with the “dead section” componentry.

Whilst under tension a failure occurred where the operative was struck on his forehead, sustaining a fractured skull. The operative remains in hospital undergoing treatment for his injuries.

For discussion

An investigation is underway to establish causes of the event and to share learning which will be issued in due course. In the meantime, please take 5 to discuss your working environment, your work equipment and method of working for your activity.

Please remember if you feel what you are doing could be made safer, please use the Worksafe process to re-evaluate what you are doing.





Shared Learning

Key learning following a serious incident



IP Signalling Issue Date: 01 October 2019 For more information, contact: proham.mills2@networkrail.co.uk

Issue Number: IPSIG-SL013 Title: Operational Close Call - Project Material being struck by train.

Overview of Event

On the 24th of June 2019, the 07.43 Chiltern Railway's Oxford to Marylebone service 1Y03 struck a pile of wood on the Up Main at Bicester South Jn. There was no reported damage to the train. This material, a bundle of timber packing slots, had fallen from a trailer being used in the previous night's possession worksite. Siemens had been recovering materials and waste using 1x Road Roll Vehicles (RRV) 2x Trailers. The worksite was over 13miles long. The wooden slots were removed from the line by the attending Mobile Operations Manager. This work was a Part of the East West Phase 1 Project.

Immediate cause

- Unsecured Material falling from trailer

Underlying Cause

- The Machine Controller did not secure the load, or check the trailer for any loose items prior to making any (RRV) Road Roll Vehicle movements.
- Trolley had no means of retaining loose loads

Contributory Factors

- The Road Roll Vehicle was travelling above the speed limit permitted in the worksite, this became apparent after checking the vehicle's telematics.
- This particular Road Roll Vehicle, had no speedometer fitted, so speed verification would not be possible to ensure compliance with the work site speed limit.
- The planned works involved travelling over 8 miles within a work site (Maximum permitted speed 5mph). Keeping to this speed limit, to travel the site alone would take approx. two hours to get to the furthest point, and a further two hours to travel back to the Road Roll Access Point, thus adding additional pressure to staff to complete on time.
- The work site was granted late, meaning that the machine on-tracked at approx. 01:52, and the machine had to be off at no later than 06:50 this left less than 5 hours to complete the task and off track the machine, again adding additional pressure on staff.
- Because of the reduced time available and the lack of attention during the planning stage, it should have become apparent with the miles and timescales allotted, this could never have been achieved compliantly.

Learning Points

- To prevent a re-occurrence, Ballast Boxes and or Tonne Bags should be used on longer worksites, where it would prove impracticable to carry out a sweep through, due to time constraints and the mileage involved where there is a potential for items to fall off a trailer onto the track. Guidance will be taken from Network Rail Code of Practice 0017 'Loading of On Track Plant'.
- The Responsible Manager should collaborate with the planner to ensure that planned movements can be covered in the time allotted whilst travelling at 5mph. Consideration should be given to the length of worksite, plant type, loads and available vehicle access points. If there is a requirement to increase the lines speed, then this MUST be agreed prior to T-7 weeks of the work taking place. Safe Work Leader 2 / Engineering Supervisor is NOT permitted to authorise movements above the pre-planned speed on the evening.
- Where ballast boxes are not being utilised the Machine / Crane Controller / Person In Charge should walk with the machine to ensure that the line is safe for the passage of trains.
- A proposal to ensure all plant is to be provided with a method of displaying speed to aid the machine operator (To ensure compliance with working within a possession).



EVERY CHOICE YOU MAKE HAS A CONSEQUENCE!

TAKE CARE OF TROLLEYS

- ✓ **DO** keep the trolley push bars in position
- ✓ **DO** keep trolley brakes in the 'ON' position at all times, or **YOU RISK A RUNAWAY**
- ✓ **DO** have at least two people in control when the trolley is moving. One of them **MUST** be in charge of the brake.
- ✗ **DON'T** use the brake handle to push a loaded trolley. **YOU RISK SERIOUS FACIAL INJURY!**
- ✗ **DON'T** use a trolley with no push bars or proper brake handles
- ✗ **DON'T** use the equipment on the trolley to lock brakes in open position



Look after yourself
Look after your colleagues
tracksafetyalliance.co.uk





Kent and Sussex Safety conversation

Network Rail

16 September 2019

Sentinel sponsors should provide correct equipment

Most staff on Kent and Sussex routes are supplied with equipment by their Sentinel Sponsor. However, it has been identified that on some occasions that various staff have had to supply their own equipment as their Sentinel Sponsor does not provide any.

This has led to equipment not being fit for purpose and equipment not being calibrated and/or checked regularly.



Important points

As part of the Sentinel Scheme Rules (Section 2.1*), The Sponsor putting the Individual to work is responsible for:

- Providing the Safety Critical Equipment required enabling the Individual to undertake the duties.
- Sponsors must have processes in place for the procurement, management, transport, calibration and provision of equipment for use by Individuals working on their behalf on Managed Infrastructure. (See Section 3.8*)
- The process shall have assurance checks in place to ensure that only equipment that is calibrated and fit for purpose is provided for use on the Managed Infrastructure.

NOTE: This includes but is not limited to: Marker Boards, Possession Limit Boards, Electrification Isolation Test Equipment, Lookout Equipment and Current Rail Indicator Devices. This also includes providing equipment to read/verify Sentinel Cards for Individuals whose role requires them to check the competences of other staff.

*Sentinel Scheme Rules (The rules that govern the Sentinel Scheme that all participants of the Sentinel Scheme must adhere to.)

Further information can be found at...

<http://info.railsentinel.co.uk/wp-content/uploads/2018/08/Sentinel-Scheme-Rules-Version-3-June-2018.pdf>

Oil disposal



A variety of oils, greases and lubricants are used everyday to keep the railway running and a large amount of oil contaminated waste is generated across Network Rail depots and worksites.

Please remember

It is illegal to dispose of oil-contaminated waste in general waste or dry mixed recycling containers. All oil contaminated equipment is classified as hazardous waste and should be disposed of in secure, labelled containers with similarly contaminated wastes. Stored waste liquid oils and greases must be kept in a watertight container and be suitably banded and ideally protected from rainwater to avoid pollution, prior to collection.



Period 6, Week 4: 3x no lost time injuries, 1x lost time injuries, 1x operational close calls



Glove updates

Since the Rigger Glove ban came in nationally, we have set up trials with Brighton, Ashford and Orpington off track teams with Cut 5 rigger gloves. Feedback and updates on trial progress will be shared as soon as we have them. And so far it's looking positive!

All colleagues must wear Cut 5 gloves when walking or working on the infrastructure, including lookouts. Non-cut 5 gloves are only permitted when a risk assessment has been undertaken, and task specific gloves are required.

The Kinetic gloves previously on the glove chart are currently in redevelopment by the Supplier. In the meantime, the touchscreen glove TG6240 is recommended as the replacement, if you need to order any.

In addition a new glove has been added to the supplier catalogue, called the TraffiGlove touchscreen TG6240. It's useable with touchscreens and it's available [here](#).



New glove for drainage work

A new product is available for staff working on drainage issues, protecting the arms of the wearer.

Polyco Long John Gauntlet is recommended for work in deep water or muddy or dirty environments, and also provides cotton liner that guarantees high level of comfort.

The glove also offers resistance to acids and alkalis.

You can order it [here!](#)

Our glove chart can be found [here](#).

Sussex "Don't Walk By" champions

Sussex Maintenance's Don't Walk By summer championship has ended and a review of the entries shows that between 50-60 service-affecting incidents have been avoided thanks to the efforts of our people.

Sussex head of maintenance Tom McNamee said: "Given an average service affecting failure in Sussex is 210 minutes, we have managed to prevent at least 10,000 delay minutes to our passengers, which is equivalent to an average of about three full weeks of delay caused by asset failures."

TEAM Award for most entries by a single section:

Barnham P'way

Prize is: Team lunch BBQ on Thursday 24th October

TEAM Award for most predicted delay minutes prevented

East Croydon S&T

Prize is: Team lunch BBQ on Friday 27th September

Individual award for single intervention that prevented most delay:

Steve Theocharous of East Croydon P'way, who spotted a cable pinched under a rail (pictured above right.)

Prize is: £25 store Voucher

Individual award as runner up

Dave Cocklin of Victoria P'way

Prize is: £15 store Voucher

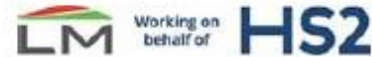
Tom added: " Thank you again to those who took part, and please keep the examples of interventions coming as this will continue! Already noted is Ollie Lawrence and Horsham S&T who sent in a great example ."



Other Safety Information



Document Title: 24 hour report – Enabling Works North Contract
 Document no.:
 Revision: Pos



24 Hour Report

Sector	N1	Work Package	WP01
Date	05/09/2019	Time	14:30
Location of Incident	Welsh Road, Long Itchington	Completed by	Dean Musgrave Health & Safety Manager
Incident type	Asset - Gas Utility - Damage to a utility which does not cause any loss of service	Horace reference no.	INCo5873

Outline of Incident

An un-chartered 32mm PE gas service sustained damaged during mechanical excavation works at a depth of 700mm. The area was made safe and reported to Cadent by LME using the Asset Protection process -080011999. Cadent arrived on site in approximately 40 minutes.

Cadent were not aware of the gas service or where it was feeding. This was not shown on the DURS records or Cadents drawings.

As Cadent could not identify the service they decided to install a 32mm cap to make safe.

The service did not have warning marker tape or fine fill material as cover. Permit to dig and approved RAMS were in place.

Photographs



Immediate Actions Taken

- LME made the area safe
- Event reported to Cadent, LMJV & HS2
- Cadent capped the un-chartered service
- LMJV & LME H&S teams involved in the investigation

Any Regulatory Involvement? Reported to Cadent using the Asset Protection process -080011999

Name(s) of Investigation Team Dean Musgrave – Health & Safety Manager

Distribution LM-SPM -PM-PD

AMBER BRIEFING **LM** Working on behalf of **HS2**

PREVENT SERVICE DAMAGE

Working Under or Near Overhead Electric Powerlines (OLE)

Legal Requirements

The law requires that work may be carried out in close proximity to live

overhead lines only when there is no alternative and only when the risks are acceptable and can be properly controlled. You should use the guidance listed below to prepare a risk assessment that is specific to each site and location

- [GS6 - Avoiding danger from overhead power lines](#)
- [HSG47 - Avoiding danger from underground services](#)
- HS2 - Achieving Best Practice in Service Avoidance
- HS2 - Requirements for working around major Utility assets
- WPD- Avoidance of Danger from Electricity
- ENA- Look Out - Look Up

GS6 Minimum safe working distances when working near Over Head Electric Powerlines

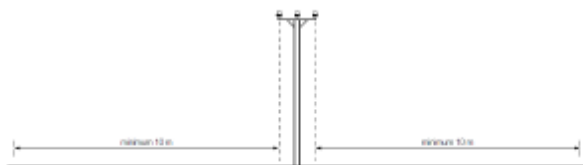


Figure 2 Minimum horizontal distances to overhead power lines

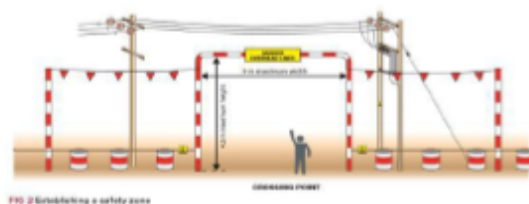
LMJV Notification Requirements

When working on any LMJV / HS2 project Western Power Distribution (WPD) must be notified at least 6 weeks prior to work commencing. During the planning stage and desk top survey the contractor must identify if any WPD assets will be effected by the work. These are to be considered against the planned activity, excavating, traveling vehicles / machinery, access / egress etc.

The contractor must complete the correct notification form -WPD Avoidance of Danger Form

All initial contact and notification with WPD MUST be via LM Utilities Team Coordinator Omar Khalid : okhalid@lm-jv.com

- ✓ Always complete a desk top survey
- ✓ Follow correct LMJV / WPD notification process
- ✓ Comply to GS6, HSG47, ENA, WPD & HS2 documentation
- ✓ Only commence work when notification and risk assessment is approved by LM
- ✓ Ensure goal posts are correctly installed and checked daily



AMBER BRIEFING LM Working on behalf of HS2

OPERATE PLANT SAFELY

Seat belts

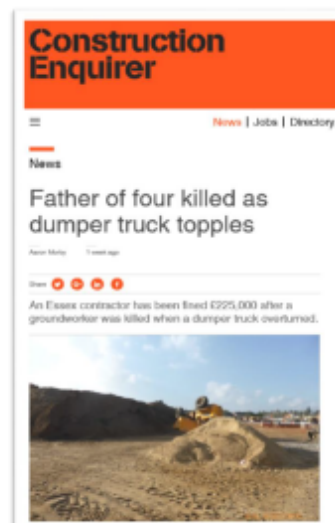
Wear your seat belt when operating plant

In the event of plant overturning, a seat belt will keep the operator within the protective area of the rollover protection structure (ROPS) or Operator Protection System (OPS) if fitted with a cab, preventing death or major injury from being crushed or trapped.

Research shows that some operators believe that they have a better chance of survival if they do not wear a seat belt, so they can jump clear of the overturning plant. Analysis of dumper overturning incidents indicates that operators were not able to jump sufficiently clear and have been crushed by their own machine. Those wearing seatbelts have been known to survive with minor injuries.

All dumpers on LM sites shall be equipped with ROPS or OPS. These systems will provide protection to the operator if the operators seat belt is **fastened, adjusted correctly and worn at all times**. Seat belts will also prevent operators being thrown from the seat in the event of speeding on uneven ground.

A site specific risk assessment may indicate that seat belts should not be worn in certain circumstances e.g. where operating next to water. Only in exceptional circumstances, when supported by a risk assessment, can an exemption be given by the LM-JV Project Director.



David Green, a 32-year-old father of four, was manoeuvring a 9t front tipping dumper truck on a spoil heap to offload top soil when he lost control of the truck which toppled forward and came to rest upside down at the base of the spoil heap. He was not wearing a seatbelt. David Green sustained a serious head injury during the fall, he died at the scene.

<http://www.constructionenquirer.com/2019/11/21/firm-fined-220000-after-dumper-driver-killed/>

ACTION REQUIRED

Toolbox talk

Use the case studies provided to conduct a toolbox talk on site and ask the following questions:

1. Are seat belts included in the pre-use check list?
2. Do the plant operators know how to record and report defective seat belts ?
3. Do all plant operators know when to quarantine plant until defective parts are rectified?
4. How is this monitored on site?



HE Passport Steering Board Update: September 2019

Thank you to everyone who is supporting the working groups and have contacted us with feedback and queries. Please find below this month's update:

The membership of the six working groups was reviewed and finalised, ensuring there has rounded representation from across the delivery community.

We are developing a feedback survey for distribution to the Supply Chain for feedback on the current Highways Common Induction (HCI) and the HE Passport Scheme. The intention of the survey is to gain feedback from those who have undertaken the HCI and signed up to the HE Passport Scheme, to inform future development and improvements. The survey will also provide the Supply Chain who has not been through the process of undertaking the HCI and signing up to the HE Passport card central system the opportunity to provide feedback as to what is preventing participation in the schemes.

We are reviewing the use of the HE Passport Card to ensure that it provides the most effective solution whilst defining who needs a passport card; and the requirements of the central database ensuring the system provides the ability to visibly manage competencies at site level, data sharing and data migration between Highways England supply chain.

A number of meetings have been held to review the approach to the Highways Common Induction and possible future delivery methods, including online training; Due to the overall cost of the current face to face HCI that can only be delivered by Lantra approved training centres and trainers, it has been agreed by the HE Passport Steering Group and the Supply Chain Safety Leadership Group that we will not continue delivering the HCI in the same format. We are reviewing the different options we now have and will communicate the changes soon; we will also take this opportunity to review the content and update it where required. Please note that everyone who has completed or is planning to complete the HCI in the current format, before the updated version is issued, will retain validation for 3 years (from the date it was completed).

It has come to our attention that there are a number of dates circulating with regards to signing up to the HE Passport Scheme and HCI. We are in the process of having these dates removed from circulation, so please disregard any 'compliance' dates. We would like to take this opportunity to confirm that there are no compliance dates for participating in the schemes.

For feeding information/feedback into the working groups please contact the leads:

Highways Common Induction (HCI) → Lead: Tracey Collins (Tracey.Lucas@kier.co.uk)

Passport/Smartcards → Lead: David Foster (david.foster@carnellgroup.co.uk)

Database/Records → Lead: Liz Braithwaite (liz.braithwaite@skanska.co.uk)

Terms of Reference & Governance → Lead: Mark Bridges (mark.bridges@gallifordtry.co.uk)

Communications → Lead: Nicola Richardson (nicola.richardson@aggregate.com)

Highways England (Internal) → Lead: Angelica Acosta-Rice (angelica.rice@highwaysengland.co.uk)

It is our intention to get around the country to the various community meetings taking place each month, to enable us to engage with Highways England delivery teams and the supply chain community.

Please feel free to contact us (HEPassport@highwaysengland.co.uk) to discuss any meetings you have arranged in your communities or events that you are planning to allow us to spread the word of the HE Passport Scheme, help you with any queries and listen to your feedback.

More information available at: <http://www.highwaysafetyhub.com/passport-scheme.html>
If you have any questions/feedback please feel free to make contact HEPassport@highwaysengland.co.uk



INFORMATION



Safety Alert

Overtaken Crawler Crane Incident at M4 SMP

11 November 2019

Background information

On the 10th October at the M4 SMP project a 45 tonne telescopic crawler crane working on bridge works adjacent to junction 7 overturned as it was tracking towards the top of a ramp to decent to road level.

The operator was manoeuvring around a scaffold structure, felt sideways movement in the crane, tried to correct it, however it slid on the batter and overturned.

No personnel were in the vicinity of the falling crane and no injuries were sustained by any party.



Lessons learnt/actions

Lessons learned are to be shared once the investigation has concluded, however the following recommended points should be reviewed at all locations where crawler cranes are in use:-



- Ensure crane equipment is only operated by qualified workers
- Ensure equipment is operated in line with the manufacturers guidance.
- Ensure suitable bunds or stop blocks are in place to prevent overrun/slippage on elevations
- Ensure ground within working areas is firm
- Inspect both the equipment and the load before operation of lifting equipment.
- Ensure ground workers are clear of the crane operation area and are nowhere beneath the load while the equipment is being operated.

If you have any queries about this safety alert information announcement or any other safety announcement then please contact Thomas.Merry@highwaysengland.co.uk
HEi125



Environmental Alert

Asset Delivery, September 2019

Wild Parsnip (*Pastinaca sativa*)

A pungent native species and the ancestor of the common vegetable.



Identification

Flowers: Small, yellow flowers form umbrella-shaped clusters 10 to 20 centimetres across.

Flowers June - August.

Stems: Ridged, hairy and hollow. Up to 2m tall.

Leaves: Green. Serrated edges. Arranged in symmetrical sets of at least five on a single stem.



Images of Wild Parsnip's, flowers, stems and leaves. Photo credits: Left and centre: Paul Ruddoch on Naturespot.org.uk, Right: Invadingspecies.com

Habitat

Grows on rough, dry and often calcareous grassland. This species is often noted in numbers near the safety barriers on the network and is widespread in central and southern England.

Health Hazard

Like Giant Hogweed, the sap of Wild Parsnip contains photo-sensitive chemicals known as furanocoumarins. These chemicals can make the skin hyper-sensitive to sunlight and cause a reaction known as phytophotodermatitis. This reaction can occur up to 48 hours after contact and is not dissimilar to a chemical burn where reddening, itching, blistering or burning can occur.

For further information please contact your local Environment Team on:

- Area7Environment@highwaysengland.co.uk
- Area10Environment@highwaysengland.co.uk
- Area13Environment@highwaysengland.co.uk
- Area14EnvironmentTeam@highwaysengland.co.uk
- Peter.Williams@highwaysengland.co.uk (SW - Ash House)

Action

- DO NOT TOUCH this plant.
- If accidental contact is made with the plant's sap: wash the area immediately, cover the skin to prevent exposure to sunlight and seek medical advice if blistering occurs.



Severe blistering and burns caused by contact with Wild Parsnip sap. Photo credit: SWNS.

SAFETY BULLETIN SB012

Ignition of Gas service following a strike

On Friday the 29th November at 14:30 CityFibre were informed of a high potential strike incident. CityFibre's Principal Contractor (PC) reported a combined gas and electric strike, resulting in ignition of the gas.



What Happened:

Executive Summary – On Friday the 29th November at 14:30 CityFibre were informed of an incident in an FTTH City. CityFibre's Principal Contractor (PC) reported a combined gas and electric strike, resulting in ignition of the gas. BGN (Gas Network) and the emergency services were called to support in the incident. BGN and PC worked to make the area safe, no injuries were reported and the road was closed as a precaution whilst the repair was made. The cables were lowered, trench backfilled and area made safe with full reinstatement undertaken the following morning.

The strike was on both Electric - 35mm & Gas – 25mm service connections to a property. The services had been laid in a combined utilities trench. There were no safety indicative markers such as tiles or tape present in the trench, nor was there any distinct separation or sand split between the two utilities. The utilities were buried significantly shallower than specified with by NJUG (industry guidelines).



The fire was extinguished by 17:00, with PC supporting SGN engineers by hand digging to expose the damaged plant and electricity cables. By 19:00 the electric supply was restored. A temporary reinstatement was made of the excavation and the PC returned in the morning to permanently reinstate the works.

Key Learning:

1. Ensure all teams are briefed on the **STREET WORKS UK GUIDANCE ON THE POSITIONING AND COLOUR CODING OF UNDERGROUND UTILITIES' APPARATUS**
2. Ensure that Safe Dig Techniques are followed as per **HSG47**
3. Ensure service drawings are in date and fully reviewed prior to any excavation work
4. Use the CAT & Genny together (in avoidance mode). We recommend the use of the ECAT4+ and version 4 Genny so that Survey results can be recorded electronically. This will aid the identification of correct usage and level of usage. All operators of the equipment must be trained and competent to use.
5. Safe systems of work such as risk assessments and method statements are in place and understood.
6. All strikes must be reported to incidents@cityfibre.com as detailed in the contractors contract and/or construction phase plan.

In the event of a utility service strike:



Useful Links:

<https://www.hsa.gov.uk/subsites/priced/hsg47.pdf>

<http://www.hsa.gov.uk/electricityinformation/excavations.htm>

“Nothing is more important than returning home safe and well at the end of each day, we must collectively do all we can”

Other Safety Information



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

The publication of the Safety 3-4-3 and Fleet 3-4-3 is due in mid-December 2019 and will be sent out in a separate email to all ACS Rail clients.

Bridgeway Calendar 2020

JANUARY

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
10	40					1	2	3
11	41	4	5	6	7	8	9	10
11	42	11	12	13	14	15	16	17
11	43	18	19	20	21	22	23	24
11	44	25	26	27	28	29	30	31

FEBRUARY

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
12	45	1	2	3	4	5	6	7
12	46	8	9	10	11	12	13	14
12	47	15	16	17	18	19	20	21
12	48	22	23	24	25	26	27	28
13	49	29						

MARCH

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
13	49		1	2	3	4	5	6
13	50	7	8	9	10	11	12	13
13	51	14	15	16	17	18	19	20
13	52	21	22	23	24	25	26	27
13	53	28	29	30	31			

APRIL

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
1	53						1	2
1	1	4	5	6	7	8	9	10
1	2	11	12	13	14	15	16	17
1	3	18	19	20	21	22	23	24
1	4	25	26	27	28	29	30	

MAY

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
1	4							1
2	5	2	3	4	5	6	7	8
2	6	9	10	11	12	13	14	15
2	7	16	17	18	19	20	21	22
2	8	23	24	25	26	27	28	29
3	9	30	31					

JUNE

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
3	9			1	2	3	4	5
3	10	6	7	8	9	10	11	12
3	11	13	14	15	16	17	18	19
3	12	20	21	22	23	24	25	26
4	13	27	28	29	30			

JULY

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
4	13					1	2	3
4	14	4	5	6	7	8	9	10
4	15	11	12	13	14	15	16	17
4	16	18	19	20	21	22	23	24
5	17	25	26	27	28	29	30	31

AUGUST

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
5	18	1	2	3	4	5	6	7
5	19	8	9	10	11	12	13	14
5	20	15	16	17	18	19	20	21
6	21	22	23	24	25	26	27	28
6	22	29	30	31				

SEPTEMBER

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
6	22				1	2	3	4
6	23	5	6	7	8	9	10	11
6	24	12	13	14	15	16	17	18
7	25	19	20	21	22	23	24	25
7	26	26	27	28	29	30		

OCTOBER

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
7	26						1	2
7	27	3	4	5	6	7	8	9
7	28	10	11	12	13	14	15	16
8	29	17	18	19	20	21	22	23
8	30	24	25	26	27	28	29	30
	31	31						

NOVEMBER

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
8	31		1	2	3	4	5	6
8	32	7	8	9	10	11	12	13
9	33	14	15	16	17	18	19	20
9	34	21	22	23	24	25	26	27
9	35	28	29	30				

DECEMBER

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
9	35				1	2	3	4
9	36	5	6	7	8	9	10	11
10	37	12	13	14	15	16	17	18
10	38	19	20	21	22	23	24	25
10	39	26	27	28	29	30	31	

JANUARY 2021

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
10	39							1
10	40	2	3	4	5	6	7	8
11	41	9	10	11	12	13	14	15
11	42	16	17	18	19	20	21	22
11	43	23	24	25	26	27	28	29
11	44	30	31					

FEBRUARY

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
11	44			1	2	3	4	5
12	45	6	7	8	9	10	11	12
12	46	13	14	15	16	17	18	19
12	47	20	21	22	23	24	25	26
12	48	27	28					

MARCH

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
12	48		1	2	3	4	5	6
13	49	6	7	8	9	10	11	12
13	50	13	14	15	16	17	18	19
13	51	20	21	22	23	24	25	26
13	52	27	28	29	30	31		

APRIL

P	WK	Sa	Su	Mo	Tu	We	Th	Fr
1	52						1	2
1	1	3	4	5	6	7	8	9
1	2	10	11	12	13	14	15	16
1	3	17	18	19	20	21	22	23
1	4	24	25	26	27	28	29	30

Network Rail period end

Bank Holiday (England and Wales)



PERMANENT WAY



SIGNALLING



CONFINED SPACES



STRUCTURES EXAMINATIONS



ROPE ACCESS



DIVING



WINDOW SAMPLING



CORING



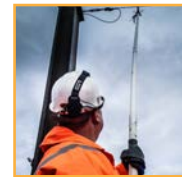
SLOPE DRILLING



ASSURANCE & COMPLIANCE SERVICES



POSSESSION MANAGEMENT



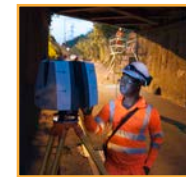
AC ISOLATIONS



DC ISOLATIONS



RAIL TRAINING & ASSESSMENT



TOPOGRAPHICAL & UTILITIES



MONITORING



BIM



UNMANNED AERIAL VEHICLE

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