

December 2024 ACS Rail Updates

Welcome to the **December 2024** 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 2025/26 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 hopes for a better and prosperous New Year for us all.

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.



Free Access to Network Rail Standards

Free access

to Network Rail's extensive catalogue of standards and controls documentation is now available via the Network Rail Standards Portal

<https://standardse-networkrail.msapproxy.net/>

New users, please register for access to the Network Rail Standards Portal by [completing this registration form](#), so that your new log in account can be set up.

Please ensure that you use your individual company email address, and not a generic email address.

If you have any queries re the registration form or the Network Rail Standards portal, please email: STSupplierSupport@networkrail.co.uk

Important Notice:

As a consequence of Network Rail's IT security policy, users accounts will be automatically deleted following 90 days of inactivity. In this instance you will be required to re-register for a new account.

Changes to Network Rail Standards

Issue 134: 07th December 2024 – 01st March 2025

Standards Change Overview – December 2024

Note: Entries in **RED** denote a standalone standard withdrawal.

Reference	Title	Issue	Compliance Date
NR/GN/CIV/100	Strategic Design Manual	8	N/a
NR/GN/CIV/300	Compliance Design Manual	8	N/a
NR/L2/ELP/27325	Train Borne Monitoring of Traction Power Contact Systems	2	07/12/2024
NR/L2/ELP/CTM018	Competence & Training in Traction and HV Non-Traction Power Distribution	3	06/04/2025
NR/L3/ELP/00750	DC Conductor Rail Electrified Lines Working Instructions	1	07/12/2024
NR/L3/ELP/27240	Distribution Work Instructions	13	01/03/2025
NR/L3/ELP/SAI25	Working On or About Overhead Line Equipment (SAI) – (For Deployment in Eastern Region and North West & Central Region)	4	01/09/2025
NR/L2/HSS/020	Safety Validation for Organisational Change	11	01/03/2025
NR/L3/INV/3001	Reporting and Investigation Manual	8	01/03/2025
NR/L1/MTC/II0666	Remote Condition Monitoring	1	07/12/2024
NR/L2/MTC/001	Maintenance and Works Delivery Management Manual	2	07/06/2025
NR/L3/MTC/MG0213	Index of Standard Maintenance Forms	24	07/12/2024
NR/L3/MTC/RCS0216	Risk Control Manual	30	01/03/2025
NR/L3/MTC/SE0195	Hand Arm Vibration Management	4	01/03/2025
NR/L3/OPS/002	Driving Cab Pass	9	04/02/2025
NR/L3/OPS/045	National Operating Procedures Index	35	04/01/2025
NR/L3/OPS/045	National Operating Procedures Index	36	01/03/2025
NR/L3/OPS/084	Line Clear of Vehicle(s) Arrangements Following Engineering Works – Line Clear Verification Process	7	01/12/2025
NR/L3/P3M/005 (formerly NR/L3/OHS/005)	Design and Construction Management in a High Street Environment	6	07/12/2024
NR/L3/P3M/132	Consolidated Planning of Key Resources for Delivery of Planned Works	3	01/03/2025
NR/L2/RSK/290	Business Continuity Management (BCM)	3	01/03/2025
NR/GN/SIG/CAT005	Index of Network Rail Documents Relating to Signalling and Communications Equipment	59	N/a
NR/L1/SIG/50021	Signalling Asset Policy	6	31/12/2026
NR/L3/SIG/10064	General Instructions to Staff Working on S&T Equipment	12	01/03/2025
NR/L3/SIG/10661	Signalling Maintenance Task Intervals	27	01/03/2025
NR/L3/SIG/10663	Signal Maintenance Specifications	18	01/03/2025
NR/L3/SIG/11231	Signalling Maintenance Testing Handbook	20	01/03/2025
NR/L2/TEL/30182	Cyber Security of Telecoms Digital Systems	3	01/03/2025
NR/L3/TEL/30181	Telecoms Maintenance Work Instructions Handbook	13	01/03/2025
NR/L2/TRK/038	Track Geometry: Management of recording and of intervention and immediate actions limits	9	01/03/2025
NR/L3/TRK/003	Index of Track Engineering Forms	49	1/3/2025
NR/L3/TRK/1020	Track Hand Back for Projects: Confirming track is safe for opening at the selected line speed after projects engineering work	2	01/03/2025
NR/GN/ELP/27198	Identification of bonds on all electrified lines except the southern areas of Network Rail	2	Withdrawal date: 07/09/2024
NR/L2/TEL/30125	Communications with Electrical Control Rooms - ETD Network Testing Specification	1	Withdrawal date: 01/03/2025

Note: Entries in **RED** denote a standalone standard withdrawal

Standards Updates

Current Emergency Changes

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

Reference	Title	Issue	Date
NR/BS/LI/506	Standard affected: NR/L3/ELP/SAI25 (issue 3) Working On or About Overhead Line Equipment (SAI) (For Early Deployment in North West and Anglia Routes)	1	02/10/2024
NR/BS/LI/505	Standard/control document affected: NR/L2/TRK/001 Mod08 (Issue 6), Broken or damaged rails and Crossings including Tri Metallic Zone	1	31/07/2024
NR/BS/LI/504	Standard/control document affected: NR/L2/TRK/001/mod14 (Issue 8), Managing Track in Hot weather	1	24/06/2024
NR/BS/LI/503	Standard/control document affected: NR/L2/TEL/00013 (Issue 4), Specification for cable troughing	1	31/07/2024
NR/BS/LI/502	Standard/control document affected: NR/L2/TEL/30072 (Issue 3), Specification for the maintenance of DOO(P) CCTV, guard-assisted CCTV and DOO mirror systems	1	21/11/2023
NR/BS/LI/501	Standard/control document affected: NR/L3/ELP/27720 (Issue 1), Test Before Touch for Overhead Line Equipment (replaces NR/BS/LI/490)	1	10/06/2024
NR/BS/LI/500	Standard/control document affected: NR/L2/CTM/014 (Issue 2), Competence & Training in Overhead Line Engineering	1	13/12/2023
NR/BS/LI/499	Standard/control document affected: NR/L2/CIV/196 (Issue 1), Standard Specification for New and Upgraded Escalators	1	01/06/2023
NR/BS/LI/498	Standard/control document affected: NR/L1/RMVP/0001 (Issue 5), Plant and Traction & Rolling Stock Policy	1	02/05/2023
NR/BS/LI/496	Standard/control document affected: NR/L2/OHS/003 (Issue 9), Fatigue Risk Management and associated Modules	1	03/02/2023
NR/BS/LI/472	Standard/control document affected: NR/L2/CIV/196 (Issue 1), Standard Specification for New and Upgraded Escalators	1	28/07/2021
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/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/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/101	Standard affected: RT/CE/S/077 Storage. Installation & Testing of TSR & ESR AWS	1	08/09/2008
NR/BS/LI/060	Traction electrical distribution sites with compromised earthing due to theft of cables - affected standard NR/SP/ELP/21032	1	23/11/2006
NR/BS/LI/047 - E&P	Bimold Connections on Rectifier Transformers at DC Traction Substations	1	05/052006
NR/BS/LI/032	Labelling of Track Isolating Switches (T.I.S)	1	17/10/2005

Current Technical Instructions

Reference	Title	Issue	Date
TI 000	Index of Technical Instructions Contained in NR/L2/SIG/11120	36	03/09/2022
TI 022	Robust Train Protection: Replacement OSS positioning rules	4	07/04/2019
TI 059	Low Voltage DC Track Circuits & Electric Point Heating	1	03/03/2007
TI 062	DC Track Circuits: Abutting Low-&Medium-Voltage Types	1	01/04/2007
TI 101	Signalling Circuits Carried Over Telecom Transmission Systems - Impact on Train Describer Specifications	2	10/12/2008
TI 149	Intelligent Infrastructure Data Logger – Design, Install and Commission	2	09/06/2011
TI 157	SSP 50 – Remote Control Standby Arrangements GK/RT0025 (GK/GN0525) - Signalling Control Centres	1	24/02/2011
TI 176	VSCS Crossing Reminder with Signal Inhibits: Standard/Control document affected: NR/SP/SIG/10067 Issue 2	1	06/03/2021
TI 177	SCS Interaction Logging and Visual Playback: Standard/Control document affected: NR/SP/SIG/10067 Issue 2	1	06/03/2021
TI 178	Standard/Control document affected: NR/L2/CTM/012 (Issue 3), [Competence and Training in Signal Engineering & NR/L2/CTM/012/044 (Issue 1), [Competence and Training in Signal Engineering SMTH]	2	15/03/2022
TI 181 & TI 181 Appendix	Standard/control document affected: NR/L3/SIG/11231 (Issue 18), Signal Maintenance Testing Handbook, NR/SMTH/Part05, Part08 and Part09; NR/L3/SIG/10663 (Issue 16), Signal Maintenance Specifications, NR/SMS/Part/Z/Z01	1	09/03/2023
TI 182	Standard/control document affected: NR/L3/SIG/10663 (Issue 16), Signal Maintenance Specifications NR/SMS/Part C NR/L2/SIG/30014 (Issue 21), Signal Works Testing Handbook NR/L2/SIG/30014/D115, NR/GN/SIG/19047 (Issue 3), SIGTAN047 - Points (General)	3	16/11/2023
TI 184	Standard/control document affected: NR/L2/SIG/11201 Module X39 (Issue 2); NR/L3/SIG/10661 (Issue 23); NR/L3/SIG/10663 (Issue 16); NR/SMS/PARTC/LC71 (Issue 4)	1	04/09/2023

Current Special Inspection Notices

Reference	Title	Issue	Date
NR/SIN/219	Mallatite Lightweight Adjustable Brackets	1	24/05/2024
NR/SIN/218	Collis Point Machine Fixing Plates	2	22/03/2024
NR/SIN/217	Inspection of Signal Overrun Protection Effectiveness at Level Crossings	1	24/11/2023
NR/SIN/217/APPENDIX A	Inspection of Signal Overrun Protection Effectiveness at Level Crossings – Appendix A	1	24/11/2023
NR/SIN/216	Replacement of Frauscher IMC040 Boards with IMC0404A Boards in Vamos Crossing Systems	1	11/03/2024
NR/SIN/215	Escalator Step Vinyl Graphics	1	01/07/2023
NR/SIN/214	Survey of Morris Line Engineering (MLE) 1250Amp Disconnectors High Level Position "micro" switches Indication Assemblies	1	28/06/2023
NR/SIN/213	Survey of Morris Line Engineering (MLE) 1250Amp Disconnectors	1	28/06/2023
NR/SIN/212	Application of Nord-Lock washers with Frauscher wheel sensors associated with Vamos level crossings	1	27/04/2023
NR/SIN/210	Investigation into the Diversity for Critical Signalling Services provided over FTN and FTNx	1	13/07/2022
NR/SIN/207	Duvine DD920 Battery Chargers	2	18/04/2024
NR/SIN/206	Managing wheel strike risk at cast obtuse crossings	2.2	12/01/2022
NR/SIN/206/RECORD	Managing wheel strike risk at cast obtuse crossings - Workbook	1	24/12/2021
NR/SIN/204	Special Inspection Notice of Operational Property Buildings for inspection of pitched roofs gable walls	1	17/06/2021
NR/SIN/202	Safety of DTS CCTV Polecat System	1	30/07/2021
NR/SIN/199	Safety of Machinery in Network Rail Owned and Operated Depots and Facilities	1	21/01/2021
NR/SIN/196	Risk Assessment and Inspection of Longitudinal Bearer Systems	1	29/07/2020
NR/SIN/188	Removal of Howells BR985 (Mk2) Re-Engineered Hydraulic Level Crossing Barrier Packs	1	11/03/2019
NR/SIN/184	Control and Documentation of Maintenance Boundaries (track)	1	22/01/2019
NR/SIN/180	Level Crossing Train Detection Configuration	1	12/03/2018
NR/SIN/180 Appendix B	Level Crossing Train Detection Configuration – Appendix B	1	12/03/2018
NR/SIN/173	Management of risk at User Worked Level Crossings equipped with Power Operated Gate Openers (POGOs) or with both Barriers and Miniature Stop Lights (MSLs)	1	26/04/2018
NR/SIN/173/Appendix F	Management of risk at User Worked Level Crossings equipped with Power Operated Gate Openers (POGOs) or with both Barriers and Miniature Stop Lights (MSLs) - Appendix F	1	26/04/2018

RSSB - Standards and the rail industry

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

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

Useful links:

- [Catalogues](#)
- [Latest Updates to Standards](#)
- [Using Standards](#)
- [Finding and staying up-to-date with standards](#)

Railway Group Standards (RGSs)

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

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

Rule Book (GE/RT8000)

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

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

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

Rule Book App

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

Rule Book Briefing Leaflet

[GERT8000-RBBL Iss 39.1](#)

Each issue of the Rule Book Briefing Leaflet contains a summary of the changes being introduced to GERT8000.

GE/RM8000 Master Module Manual

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

Rule Book Module Matrix: <https://www.rssb.co.uk/-/media/Project/RSSB/RssbWebsite/Documents/Public/Public-content/Using-Standards/Rule-Book-Module-Matrix.xls>

[GERM8000-master-module Iss 8.1](#)

Controlled Document List 07 December 2024

Key

StdNo	Current standard
Stdno	New Standard
StdNo	Live standard pending withdrawal
StdNo	Superseded/Withdrawn

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

GROUP STANDARDS Website: http://www.rssb.co.uk/railway-group-standards		
Ref. / Title	Issue No	Issue Date
Modular Rulebook GE/RT8000/ (See separate page for listed modules and issue dates)	-----	-----
GEGN8575 Guidance Note on the Management of Electrical Risk Related to Operational Tasks on Electrified Lines	1	12/2021
GEGN8613 Application of human factors within safety management systems	1	03/2021
GERM8000 Possession Workers Manual	10	09/2024
GERM8000 Possession Workers Manual	10.1	11/2024
GERM8000 Track Workers Manual	13	09/2024
GERM8000 Track Workers Manual	13.1	11/2024
GERM8000-master-module Master Manual	14	09/2024
GERM8000-master-module Master Manual	14.1	11/2024
GLRT1210 AC Energy Subsystem and Interfaces to Rolling Stock Subsystem	3	12/2022
GLRT1212 DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	1	09/2015
GOGN3616 Guidance on Operational Railway Safety Awareness	1	06/2023
GOGN3616 Guidance on Operational Railway Safety Awareness	1.1	10/2024
GOGN3655 Guidance on Medical Fitness for Railway Safety Critical Workers	2	06/2014
RIS-1530-PLT Rail Industry Standard - On-Track Plant, Trolleys and Associated Equipment	7.1	03/2024
RIS-2750-RST Supplier Assurance	1.1	12/2021
RIS-3118-TOM Incident Response Planning & Management	2	12/2019
RIS-3119-TOM Accident and Incident Investigation	3	03/2022
RIS-3279-TOM High Visibility Clothing	2	09/2019
RIS-3701-TOM Confidential Reporting System for Rail Staff	2.1	12/2019
RIS-8046-TOM Spoken Safety Critical Communications	2	12/2016
RIS-8047-TOM Reporting of Safety Related Information	2	03/2018
RIS-8070-TOM Drugs and alcohol testing for safety-critical workers	2	03/2022

LONDON UNDERGROUND (LU) STANDARDS		
Ref. / Title	Issue No	Issue Date
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 DAATS	A3	09/2019
LUL G1234 Incident recording, investigation and reporting	A5	05/2021
LUL G1241 Alcohol and Drugs at Work Guidelines and Information For Managers	6	07/2009
LUL G1242 Alcohol and Drugs at Work – Managers For Cause and Post Incident Check List	A4	04/2020
LUL G1249 Environmental Incident Categories	A5	07/2018
LUL G2020 Wuhan novel coronavirus	A1	01/2020
LUL G557 Electronic Incident Reporting Form (eIRF)	A5	03/2014
LUL LF29 Incident investigation & reporting or recording What you need to remember	01	n/a

LONDON UNDERGROUND (LU) STANDARDS		
Ref. / Title	Issue No	Issue Date
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 S1053 Civil Engineering – Building and Station Structures	A15	01/2023
LUL S1061 Civil Engineering – Bridges and Structures Assessment	A7	01/2023
LUL S1251 Alcohol and Work; includes Written Notice 12/24/2014, 6/16/2015	A2	11/2011
LUL S1257 Drugs and Work; Includes Written Notice 01317: 12/24/2014	A2	11/2011
LUL S1538 Assurance	A17	08/2022
LUL S1548 Safety Critical Work	A7	09/2021
LUL S1552 Contract QUENSH Conditions Incorporating written notice: 05/10/2017, 05/02/2019, 16/03/2022	A18	11/2016
LUL S1601 Management Arrangements to Assure Medical Fitness	A6	12/2022
LUL S1602 Corporate Medical Standard for Personnel Requiring Safety on the Track Certification	A12	11/2022
LUL S1603 Audiometric standard for personnel requiring safety on the track certification	A8	10/2022
LUL S1604 Vision standard for personnel requiring safety on the Track Certification	A10	12/2022
LUL S1605 Providers of Medical Assessment for Track Certification and other Safety Critical Certification Purposes	A5	10/2022
LUL S1801 Competence requirements for undertaking Civil Engineering Safety Critical Work	A2	03/2022

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/CAT/STP/001 Catalogue of Network Rail Standards	134	12/2024
PTS Handbook RT 3170	10	11/2020
NR/L2/AMG/1030 Working Safely in the Vicinity of Buried Services	1	12/2008
NR/GN/CIV/003 Guidance on Engineering and Architectural Assurance of Building and Civil Engineering Works	2	12/2023
NR/GN/CIV/065 Examination of Earthworks Guidance Manual	2	09/2022
NR/GN/CIV/208 Ground Investigation	1	12/2018
NR/L1/CIV/601 Managing the Highways Interface	1	12/2021
NR/L2/CIV/003 Engineering and Architectural Assurance of Building and Civil Engineering Works	8	12/2023
NR/L2/CIV/032 The Management of Structures Manual	1	12/2021
NR/L2/CIV/035 Management of Structures	2	06/2019
NR/L2/CIV/039 Assessment and Certification of Protective Coatings Replaces: NR/L3/CIV/039 Issue 5	1	06/2023
NR/L2/CIV/076 Management of Bridge Strikes Replaces NR/L3/CIV/076 Issue 4 and NR/L3/CIV/176 Issue 4	1	03/2023
NR/L2/CIV/086 Management of Earthworks	12	06/2024
NR/L2/CIV/1000 Competence Management for Buildings and Civils Infrastructure	4	06/2024
NR/L2/CIV/171 Examinations, Inspections and Assessments of Buildings & Architecture Assets: Structures and Fabric	3	09/2022
NR/L2/CIV/250 Landlord's Consent	1	03/2020
NR/L2/CIV/295 Scour Assessment of Bridges, Culverts and Retaining Walls	3	09/2023
NR/L2/CIV/602 Highways Interface Planning Process	1	12/2021
NR/L2/CIV/1000 Competence Management for Buildings and Civils Infrastructure	5	09/2024
NR/L3/CIV/0001 Management of Road Vehicle Incursions (RVI)	3	12/2022
NR/L3/CIV/006 Structures, Tunnels and Occupational Property Examinations	12	06/2024
NR/L3/CIV/0063 Pilling, Drilling, Crane, MEWP and SMPT operations adjacent to the Railway	2	06/2024

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L3/CIV/040 Work Instruction for the use of Protective Coating Systems	3	06/2023
NR/L3/CIV/170 Assessment of Tunnels	2	12/2021
NR/L3/CIV/185 Reporting and Investigation of Geotechnical Incidents	5	12/2023
NR/L3/CIV/190 Developing Extreme Weather Plans	1	12/2017
NR/L3/CIV/603 Working at the Highways Interface	1	12/2021
NR/L3/CIV/604 Highways Interface Manual	1	12/2021
NR/GN/CPR/401 Guidance on Contractual Health and Safety Requirements	1	12/2008
NR/L2/CPR/201 Supplier Qualification	2	12/2011
NR/L2/CPR/302 Supplier Qualification - Core Requirements (For PCL / POL Holders)	2	09/2011
NR/L2/CSG/STP001 Standards and Controls Management Manual	8	06/2020
NR/CS/CTM/001 Competence Management	1	12/2006
NR/L2/CTM/017 Competence and Training in Civil Engineering	1	06/2006
NR/L2/CTM/021 Competence & Training in Track Safety	4	12/2010
NR/L2/CTM/025 Competence & Training in On-Track Plant Operation & Activities	2	03/2021
NR/L2/CTM/201 Competence Management	2	03/2012
NR/L2/CTM/202 Quality Assurance in Training & Assessment	3	12/2019
NR/L2/CTM/209 Competence & Training in Safe System of Work Planner	1	12/2010
NR/L2/CTM/220 Competence & Training in Portable, Transportable & Mobile Plant (PTMP) Operation & Activities	2	06/2021
NR/L2/CTM/223 Competence & Training in Managing Site Safety	1	06/2011
NR/L3/CTM/306 Skills Assessment Scheme	4	09/2024
NR/L2/ELP/21085 Earthing and Bonding on A.C. Electrified Railways	7	03/2024
NR/L2/ELP/21087 Specification of Maintenance Frequency and Defect Prioritisation of Overhead Line Electrification Equipment	11	12/2023
NR/L2/ELP/21088 General Maintenance Parameters for Overhead Line Electrification Equipment	4	06/2021
NR/L2/ELP/21090 OLE Seasonal Preparation Response for Extreme Weather	1	12/2020
NR/L2/ELP/21131 Warning and Other Signs for A.C. and D.C. Electrified Lines	4	03/2023
NR/L2/ELP/23002 Specification for High Voltage AC Cables, AC Traction Earthing and Bonding Cables DC Traction Cables, Pilot Cables and Associated Accessories	1	12/2020
NR/L2/ELP/27009 Overhead Line Equipment Campaign Changes	3	03/2017
NR/L2/ELP/27023 Conductor Rail Heating Standard	2	03/2024
NR/L2/ELP/27172 Conductor Rail Guard Boarding	1	06/2021
NR/L2/ELP/27307 Management of M&EE Safety Related Event Reports	4	12/2017
NR/L2/ELP/27402 Specification for protection and control devices for electrical systems	1	12/2009
NR/L2/ELP/27715 Overhead Contact System Design Specification	4	12/2023
NR/L2/ELP/27716 Electrical and Mechanical Clearances On Overhead Electrified Railways	1	12/2023
NR/L2/ELP/27717 Bridge Parapet Electrical Risk Assessment	1	03/2023
NR/L2/ELP/27722 Protection Principles for A.C. Electrified Railways	1	03/2023
NR/L2/ELP/27800 Specification for 25 kV a.c. Earthing Pantographs and Interface with Vehicle (On Track Plant or Road Rail Vehicles)	1	12/2020
NR/L2/ELP/CTM033 Competence and Training in OLE Electrical Safety	2	03/2024
NR/L3/ELP/21067 Instructions for making out, issuing and cancelling high voltage Permits to Work, Sanctions for Test and Circuit State Certificates	8	09/2024
NR/L3/ELP/00750 DC Conductor Rail Electrified Lines Working Instructions	1	12/2024

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L3/ELP/22001 Procedures and Competence Requirements for Persons Undertaking Works Near High Voltage Cables and Cable Routes	2	06/2022
NR/L3/ELP/27051 Working Instructions for d.c. Electrified Lines in the Liverpool Area	6	09/2019
NR/L3/ELP/27052 Working Instructions for D.C. Electrified Lines on the Northern City Line	8	03/2023
NR/L3/ELP/27115 Planning DC Conductor Rail Isolations	5	06/2024
NR/L3/ELP/27140 Application of Short Circuits for Conductor Rail Isolations	4	03/2019
NR/L3/ELP/27171 Electrical Insulating Gloves - Replaces NR/WI/ELP/27171	3	06/2021
NR/L3/ELP/27237 Overhead Line Work Instructions	26	09/2024
NR/L3/ELP/27250 Conductor Rail Equipment – Design and Maintenance Working Instructions	8	03/2024
NR/L3/ELP/27720 Test Before Touch for Overhead Line Equipment	1	09/2022
NR/L3/ELP/29987 Working on or About 25 KV AC Electrified Lines	9	06/2023
NR/L3/ELP/3091 DC Conductor Rail Electrified Lines Working Instructions	6	09/2024
NR/L3/ELP/SAI25 Working On or About Overhead Line Equipment (SAI) (For Early Deployment in North West and Anglia Routes)	3	06/2024
NR/L3/ELP/SAI25 Working On or About Overhead Line Equipment (SAI) – (For Deployment in Eastern Region and North West & Central Region)	4	12/2024
NR/L2/ENV/015 Environment and Social Minimum Requirements for Projects – Design and Construction	9	06/2021
NR/L2/ENV/115 Environment and Social Management System Requirements	1	03/2018
NR/L2/ENV/120 Waste Management	2	06/2023
NR/L2/ENV/121 Managing Environmental and Social Impact of Noise and Vibration	1	12/2019
NR/L2/ENV/122 Biodiversity	2	03/2023
NR/L2/ENV/123 Prevention of Pollution to Land and Water	1	12/2019
NR/L2/INF/02202 Records Management of Health and Safety Files	7	06/2023
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/EDT/CP0091 Specification for Computer Aided Design	4	12/2018
NR/L3/INI/CP0028 Contract Requirements - Quality	3	06/2012
NR/L3/INI/CP0036 Provision of Welfare Facilities (see NR/L2/OHS/CP0036 June 2024)	4	08/2008
NR/L3/INV/3001 Reporting and Investigation Manual	7	09/2021
NR/L3/INV/3001 Reporting and Investigation Manual	78	12/2024
NR/L2/MTC/089 Arrangements for the exchange of asset data and the continuing maintenance of assets undergoing change	3	12/2023
NR/L2/MTC/CTM001 Competence within Maintenance	1	09/2024
NR/L3/MTC/CP009 COVID-19 Contingency Plan: Safe Working Practices	11	03/2022
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	4	09/2022
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	23	09/2024
NR/L3/MTC/MG0213 Index of Standard Maintenance Forms	24	12/2024

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L3/MTC/RCS0216 Task Risk Control Manual	29	09/2024
NR/L3/MTC/RCS0216 Task Risk Control Manual	30	12/2024
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	5	12/2023
NR/L3/MTC/SE0220 Planning and Delivering Safe Working at Height	2	09/2020
NR/CS/OHS/002 Policy on Working Safely	1	02/2007
NR/GN/OHS/00155 Short-term Changes in the Creation and Application of Safe Work Packs and Briefing Arrangements COVID-19 Contingency Plan (Guidance for Regions on NR/L2/OHS/019)	1	06/2020
NR/L1/OHS/052 Traumatic Incident Management	1	06/2016
NR/L2/OHS/00102 Work Activity Risk Assessments	6	12/2023
NR/L2/OHS/00110 First Aid at Work	6	09/2017
NR/L2/OHS/00112 Worksafe Procedure	3	09/2020
NR/L2/OHS/00113 Health surveillance and management of diagnoses for Hand-arm Vibration Syndrome (HAV)	5	03/2016
NR/L2/OHS/00117 New and Expectant Mothers Risk Management	3	09/2024
NR/L2/OHS/00120 Drugs, Alcohol and Substance Misuse in the Workplace	7	03/2023
NR/L2/OHS/00124 Competence Specific Medical Fitness Requirements and Occupational Health Provider Requirements for Medical Assessments	3	12/2016
NR/L2/OHS/00130 Creating a Site of Work Segregated from the Railway	3	09/2024
NR/L2/OHS/003 Fatigue Risk Management	9	12/2019
NR/L2/OHS/0044 Planning and Managing Construction Work replaces NR/L3/INI/CP0044 Work Package Planning	5	12/2016
NR/L2/OHS/0047 Managing Health and Safety in Construction (Application of the Construction (Design and Management) Regulations to Network Rail)	7	06/2019
NR/L2/OHS/019 Safety of People working on or near the Line	12	06/2023
NR/L2/OHS/020 Track Visitor Permits	5	08/2008
NR/L2/OHS/021 Personal Protective Equipment (PPE)	5	06/2023
NR/L2/OHS/022 Working Safely at Height	2	03/2020
NR/L2/OHS/032 Training, Competence and Assessment in Accident and Incident Investigation	3	09/2021
NR/L2/OHS/050 Application of the Sentinel Scheme Rules	5	09/2023
NR/L2/OHS/053 Assessing Risk of Stress in the Workplace	3	03/2022
NR/L2/OHS/157 Health surveillance for silica and asbestos and the management of diagnosed occupational respiratory conditions	1	03/2017
NR/L2/OHS/501 Trackworker Protection and Warning Systems	7	03/2023
NR/L2/OHS/CP0036 The provision of welfare facilities for temporary and transient work activities (formerly NR/L3/INI/CP0036)	5	06/2024
NR/L2/OHS/CP0070 Principal Contractor Licensing Assurance (aka NR/L2/INI/CP0070)	6	12/2022
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/005 Design and Construction Management in a High Street Environment Now NR/L3/P3M/005	4	09/2023
NR/L2/OPS/033 Recording Spoken Safety Critical Communications between Possession Management and Engineering Trains / On-Track Plant Drivers when Working in Possessions and Worksites.	3	06/2019
NR/L2/OPS/207 Training and Competence in Engineering Access Planning (formerly NR/L2/CTM/207 – Competence and Training in Planning)	1	03/2023
NR/L2/OPS/291 Railway Crime Risk Management	1	12/2019
NR/L3/OPS/0064 Delivering Work within Possessions – Replaces NR/L3/INI/CP0064	6	06/2021

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L3/OPS/084 Line Clear Arrangements Following Engineering Works in Axle Counter Areas – Line Clear Verification Process	6	12/2021
NR/L3/OPS/084 Line Clear of Vehicle(s) Arrangements Following Engineering Works – Line Clear Verification Process	7	12/2024
NR/L3/OPS/251 Unmanned Aircraft System (Drone/UAS) Operations	4	09/2021
NR/OPS/DEV/009 Network Rail: Good Practice Guide for Working at Operational Locations (Signal Boxes, Electrical Control Rooms, Controls) During COVID 19	2	06/2020
NR/GN/OTK/5000 Index of Off-Track Drawings	4	09/2024
NR/L2/OTK/5201 Lineside Vegetation Management Manual	5	12/2020
NR/L3/P3M/005 (formerly NR/L3/OHS/005) Design and Construction Management in a High Street Environment	6	12/2024
NR/GN/RMVP/0200 Infrastructure Plant Manual Guidance	2	06/2022
NR/L2/RMVP/0200 Infrastructure Plant Manual	14	09/2024
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/L3/RMVP/27702 Plant Product Acceptance Process	1	12/2023
NR/L2/RSE/0005 Product Design for Reliability	5	12/2020
NR/L2/RSE/02009 Engineering Management for Projects	8	03/2023
NR/L2/RSE/070 Engineering Verification	3	03/2022
NR/L2/RSE/100 Network Rail Assurance Panel processes	8	06/2024
NR/L2/RSE/CONM/001 Construction Management for Projects	2	12/2023
NR/L1/RSK/001 Network Rail Risk Policy	3	09/2019
NR/L2/SCO/302 Supplier Qualification Requirements	1	06/2020
NR/L2/SCO/310 Control of Movements in Depots, Yards and Associated Depot Sidings (Methods of Work)	1	12/2022
NR/L3/SCO/313 On-Track Machines (OTMs) Driver and Operations Standards Manual	14	06/2024
NR/L3/SCO/314 Engineering Assurance for T&RS, OTM and OTP Projects	3	06/2023
NR/L3/SCO/320 Supplier Quality Assurance (SQA)	2	09/2020
NR/L1/SCT/001 Security Management System (SeMS)	1	09/2023
NR/L1/SCT/002 Cyber Security and Resilience for Digital Systems Replaces NR/L1/INF/02232 Issue 2	1	03/2023
NR/SIN/185 Identification and Inspection of Plain-Lined S&C	1	06/2019
NR/L2/SIG/10160 Specification for Application of the IRSE Licensing Scheme	3	12/2020
NR/L2/SIG/11201 Signalling Design Handbook	20	09/2024
NR/L2/SIG/14201 Signalling Risk Assessment Handbook	5	12/2020
NR/L2/SIG/30009 Signalling Principles Handbook	29	09/2024
NR/L2/SIG/30014 Signalling Works Testing Handbook	23	09/2024
NR/L2/SIG/50035 Competence Standard - Competence and Training in Signal and Level Crossing Engineering	8	09/2024
NR/L2/SIG/50040 Temporary Speed Restrictions replaces NR/L3/SIG/MG0110	1	12/2021

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L2/SIG/50050 Topographic, engineering, land and measured building surveying – Signalling	1	09/2023
NR/L3/SIG/10064 General Instructions to Staff Working on S&T Equipment	11	06/2022
NR/L3/SIG/10064 General Instructions to Staff Working on S&T Equipment	12	12/2024
NR/L3/SIG/10661 Signal Maintenance Task Intervals	26	06/2024
NR/L3/SIG/10661 Signal Maintenance Task Intervals	27	12/2024
NR/L3/SIG/10663 Signal Maintenance Specifications	17	12/2023
NR/L3/SIG/10663 Signal Maintenance Specifications	18	12/2024
NR/L3/SIG/10665 Reliability Centred Maintenance of Signalling Equipment	23	06/2023
NR/L3/SIG/11231 Signal Maintenance Testing Handbook	19	12/2023
NR/L3/SIG/11231 Signal Maintenance Testing Handbook	20	12/2024
NR/L3/SIG/11235 Signal Intermediate Testing Handbook	3	09/2024
NR/L3/SIGELP/50000 Safe Working and Maintenance on or near Signalling Power Distribution Equipment above 175 V AC	5	12/2023
NR/L3/SIGELP/50001 Work Instruction: Signalling Power Distribution Equipment above 175 V AC	6	12/2023
NR/L3/SIGELP/50002 Safe Working Practices When Working on or Near Signalling Power Distribution Equipment Above 175 Volts	1	12/2016
NR/L3/SIGELP/50003 Safe Working Practices When Working on or Near Signalling Equipment	1	03/2018
NR/L2/TEL/30067 The Transmission of Safety Related Information	2	12/2011
NR/L2/TEL/30156 Functional Requirements for Safety Related Communications Equipment for On Track Plant Working	1	12/2011
NR/L3/TEL/30181 Telecoms Maintenance Work Instructions Handbook	12	09/2024
NR/L3/TEL/30181 Telecoms Maintenance Work Instructions Handbook	13	12/2024
NR/GN/TRK/7001 Index of Track Work Information Sheets (TWI)	20	03/2024
NR/L1/TRK/100 Management of Track Assets	1	03/2020
NR/L2/TRK/001 Inspection and Maintenance of Permanent Way	24	03/2024
NR/L2/TRK/1054 Inspection and Maintenance Procedures for Crossings in Track	6	09/2022
NR/L2/TRK/3038 Longitudinal Bearer Systems Inspection, Maintenance and Design	8	12/2023
NR/L2/TRK/3415 Refurbishment of Switches and Crossings	3	03/2023
NR/L2/TRK/4239 Track Bed Investigation, Design and Installation	3	12/2023
NR/L2/TRK/6100 The Installation and Maintenance of Stretcher Bars	6	06/2023
NR/L2/TRK/7014 Standardised Risk Based Maintenance Regime (RBM) for the Inspection and Maintenance of the Permanent Way	2	03/2022
NR/L3/TRK/003 Index of Track Engineering Forms	48	09/2024
NR/L3/TRK/003 Index of Track Engineering Forms	49	12/2024
NR/L3/TRK/1015 Management of Basic Visual Inspection	8	03/2023
NR/L3/TRK/1020 Track Hand Back for Projects: Confirming Track Is Safe for Opening at the Selected Line Speed After Projects Engineering Work – Replaces NR/L3/TRK/1017 Issue 1	1	12/2022
NR/L3/TRK/1020 Track Hand Back for Projects: Confirming track is safe for opening at the selected line speed after projects engineering work	2	12/2024
NR/L3/TRK/3230 Control of On-Track Machines (OTM)	4	03/2024
NR/L3/TRK/3530 Track Lubricants	1	06/2012
NR/L3/TRK/7006 Creation and Application of an Emergency Speed Restriction (ESR) Design	3	09/2022
NR/L3/TRK/7013 Planning and Installation of Temporary Rail Joints	1	09/2021
NR/SP/TRK/1110 Qualification and Certification of Non-Destructive Testing Personnel	2	06/2023

OTHER STANDARDS & GUIDANCE	
Ref. / Title	Reference
BS EN ISO 14001:2015	2015
BS EN ISO 9001:2015	2015
BS EN ISO 45001:2018	2018
BS EN ISO 45001:2018 Amendment 1: Climate Action Changes	Feb 2024
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/ See also: Sentinel Rule Breaches - Safety Central (networkrail.co.uk)	V4 26 March 2020 Compliance Date 26 March 2020
RTAS Rules QA Reference – National Skills Academy for Rail (nsar.co.uk)	V2.1 Effective 1 August 2022

LEGISLATION	
Ref. / Title	Reference
Bribery Act 2010	2010 c. 23
Control of Asbestos at Work Regulations 2002	2002 No. 2675
Control of Pollution (Amendment) Act 1989	1989 c. 14
Control of Pollution Act 1974	1974 c. 40
Corporate Manslaughter and Corporate Homicide Act 2007	2007 c. 19
Data Protection Act 2018	2018 c. 12
Environmental Protection Act 1990	1990 c. 43
European Union (Future Relationship) Act 2020	2020 c. 29
Health & Safety at Work etc. Act 1974	1974 c. 37
Modern Slavery Act 2015	2015 c. 30
Pollution Prevention and Control Act 1999	1999 c. 24
The Confined Spaces Regulations 1997	1997 No. 1713
The Construction (Design and Management) Regulations 2015	2015 No. 51
The Control of Asbestos at Work (Amendment) Regulations 1992	1992 No. 3068
The Control of Asbestos at Work (Amendment) Regulations 1998	1998 No. 3235
The Control of Asbestos at Work Regulations 1987	1987 No. 2115
The Control of Asbestos in the Air Regulations 1990	1990 No. 556
The Control of Asbestos Regulations 2006	2006 No. 2739
The Control of Asbestos Regulations 2012	2012 No. 632
The Control of Lead at Work Regulations 1980	1980 No. 1248
The Control of Lead at Work Regulations 1998	1998 No. 543
The Control of Lead at Work Regulations 2002	2002 No. 2676
The Control of Noise at Work Regulations 2005	2005 No. 1643
The Control of Pesticides Regulations 1986	1986 No. 1510
The Control of Substances Hazardous to Health (Amendment) Regulations 2004	2004 No. 3386

LEGISLATION	
Ref. / Title	Reference
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 Fire Safety (England) Regulations 2022	2022 No. 547
The Fire Safety Act 2021 (Commencement) (England) Regulations 2022	2022 No. 544 (C. 26)
The Hazardous Waste (England and Wales) (Amendment) Regulations 2009	2009 No. 507
The Hazardous Waste (England and Wales) Regulations 2005	2005 No. 894
The Health and Safety (Consultation with Employees) Regulations 1996	1996 No. 1513
The Health and Safety (Display Screen Equipment) Regulations 1992	1992 No. 2792
The Health and Safety (First-Aid) Regulations 1981	1981 No. 917
The Health Protection (Coronavirus, Collection of Contact Details etc and Related Requirements) Regulations 2020	2020 No. 1005
The Health Protection (Coronavirus, International Travel) (England) Regulations 2020	2020 No. 568
The Health Protection (Coronavirus, Restrictions) (All Tiers) (England) Regulations 2020	2020 No. 1374
The Health Protection (Coronavirus, Restrictions) (England) (No. 3) Regulations 2020	2020 No. 750
The Health Protection (Coronavirus, Restrictions) (Local Authority Enforcement Powers and Amendment) (England) Regulations 2020	2020 No. 1375
The Health Protection (Coronavirus, Restrictions) (Self-Isolation) (England) Regulations 2020	2020 No. 1045
The Health Protection (Coronavirus, Wearing of Face Coverings in a Relevant Place) (England) Regulations 2020	2020 No. 791
The Health Protection (Notification) (Amendment) Regulations 2022	2022 No. 616
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 (Revoked)	2002 No. 1144
The Personal Protective Equipment at Work (Amendment) Regulations 2022	2022 No. 8
The Provision and Use of Work Equipment Regulations 1992	1992 No. 2932
The Provision and Use of Work Equipment Regulations 1998	1998 No. 2306
The Railways and Other Guided Transport Systems (Safety) Regulations 2006	2006 No. 599
The Regulatory Reform (Fire Safety) Order 2005	2005 No. 1541
The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013	2013 No. 1471
The Safety Representatives and Safety Committees Regulations 1977	1977 No. 500
The Waste Management (England and Wales) Regulations 2006	2006 No. 937
The Work in Compressed Air Regulations 1996	1996 No. 1656
The Workplace (Health, Safety and Welfare) Regulations 1992	1992 No. 3004
Transport and Works Act 1992	1992 c. 42
Water Resources Act 1991	1991 c. 57
Wildlife and Countryside (Amendment) Act 1991	1991 c. 39
Wildlife and Countryside Act 1981	1981 c. 69

Key

StdNo	Current standard
Stdno	New Standard
StdNo	Live standard pending withdrawal
StdNo	Superseded/Withdrawn

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)

Rule Book			
Doc No & Issue	Issue Date	Title	Synopsis
GERT8000 Issue Iss 37	Sep 2024	Rule Book Module Issue History	This document contains updates to align with changes to Rule Book module issues (GERT8000).
GERT8000 Issue HB Iss 18	Sep 2024	Rule Book Handbook Issue History	This document contains updates to align with changes to Rule Book Handbook issues (GERT8000).
GERT8000-RBBL Iss 40	Sep 2024	Rule Book Briefing Leaflet	Each issue of the Rule Book Briefing Leaflet contains a summary of the changes being introduced to GERT8000.
GERT8000-RBBL Iss 40.1	Nov 2024	Rule Book Briefing Leaflet	Each issue of the Rule Book Briefing Leaflet contains a summary of the changes being introduced to GERT8000.
GERT8000-Gloss Iss 7	Sep 2022	Glossary of Railway Terminology	You will need this glossary if you are issued with GERT8000.
GERT8000-AC Iss 7	Dec 2021	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 5	Dec 2021	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 in DC electrified areas.
GERT8000-G1 Iss 9.1	Dec 2022	General safety responsibilities and personal track safety for non-trackworkers	You will need this module if you carry out the duties of: <ul style="list-style-type: none"> • a train driver • a guard • a shunter • a designated person (DP) • a signaller • a crossing keeper • platform staff.
GERT8000-HB1 Iss 7	Sep 2021	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).
GERT8000-HB1 Iss 8	Sep 2024	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).

Rule Book			
Doc No & Issue	Issue Date	Title	Synopsis
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.
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 2.1	Nov 2022	Handsignalling duties	This handbook is for those personnel who carry out handsignalling duties.
GERT8000-HB6 Iss 7	Sep 2021	General duties of an individual working alone (IWA)	This handbook is for those personnel with general duties of an individual working alone (IWA).
GERT8000-HB6 Iss 8	Sep 2024	General duties of an individual working alone (IWA)	This handbook is for those personnel with general duties of an individual working alone (IWA).
GERT8000-HB7 Iss 8	Sep 2021	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-HB7 Iss 9	Sep 2024	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 9	Sep 2022	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-HB8 Iss 10	Sep 2024	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 8	Sep 2022	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-HB9 Iss 8.1	Sep 2022	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 5	Sep 2023	Duties of the COSS 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.
GERT8000-HB11 Iss 10	Sep 2022	Duties of the person in charge of the possession (PICOP)	You will need this handbook if you carry out the duties of the PICOP.
GERT8000-HB11 Iss 11	Sep 2024	Duties of the person in charge of the possession (PICOP)	You will need this handbook if you carry out the duties of the PICOP.
GERT8000-HB12 Iss 9	Sep 2022	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-HB12 Iss 10	Sep 2024	Duties of the engineering supervisor (ES) in a possession	You will need this handbook if you carry out the duties of the ES in a possession.
GERT8000-HB13 Iss 4	Sep 2023	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.
GERT8000-HB14 Iss 3	Mar 2021	Duties of the person in charge of loading and unloading rail vehicles during engineering work	You will need this handbook if you carry out the duties of the person in charge of loading and unloading rail vehicles during engineering work.
GERT8000-HB15 Iss 6	Sep 2022	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.
GERT8000-HB15 Iss 7	Sep 2024	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.
GERT8000-HB16 Iss 5	Dec 2021	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 4	Dec 2021	DC electrified lines	This handbook is for those personnel who need to go on the operational railway in an DC electrified area to carry out their duties.

Rule Book			
Doc No & Issue	Issue Date	Title	Synopsis
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 5	Sep 2023	Work on signalling equipment - duties of the signalling technician	You will need this handbook if you carry out the duties of a signalling technician.
GERT8000-OTM Iss 11	Sep 2023	Working of on-track machines (OTM)	You will need this module if you carry out the duties of a driver of an on-track machine, an operator of an on-track machine, or a signaller.
GERT8000-OTM Iss 12	Sep 2024	Working of on-track machines (OTM)	You will need this module if you carry out the duties of a driver of an on-track machine, an operator of an on-track machine, or a signaller.
GERT8000-T3 Iss 11.1	Nov 2023	Possession of a running line for engineering work	You will need this module if you carry out the duties of a driver or signaller.
GERT8000-T3 Iss 12	Sep 2024	Possession of a running line for engineering work	You will need this module if you carry out the duties of a driver or signaller.
GERT8000-T10 Iss 6	Sep 2022	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 or person working on a rail vehicle.

Network Rail Safety Central – Information Section

Code of Conduct

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

[Code of Business Ethics](#) (web page)

[Modern Slavery](#) (web page)

Network Rail Safety Bulletins

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

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

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 NRB24-10 – Always test before applying earths to Overhead Line Equipment \(OLE\)](#) September 6, 2024

Safety Advice

- [Safety Advice NRA24-12 – Enerpac RP70AE100 Status Update](#) November 19, 2024
- [Safety Advice NRA24-10 – Geofencing – Replaces NRA24-05](#) October 11, 2024
- [Safety Advice NRA24-09 – Operational Restrictions on use of FSKII Circuit Breakers](#) October 1, 2024

Other documents

- [Health Bulletin NRH24-03 – Ticks and Lyme Disease](#) June 27, 2024

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.

[Safety Bulletins | Safety Central \(networkrail.co.uk\)](#)

Click on "Shared Learning" in the Bulletin type menu on right of screen. Type "NRL24" in the search box for this year's.

Health & Wellbeing

[Health and wellbeing](#) (web page)

Risk Management

[Think RISK](#) (web page)

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**

HSE Fatigue and Risk Index (FRI) Calculator

The Fatigue Risk Index (FRI) has been withdrawn from the HSE website. The reasons for this are:

- The software platform is an older Excel that can no longer be supported on the HSE website.
- The design of the FRI requires improvement to promote better understanding of its outputs, its limitations and its role in a Fatigue Management System.
- In its current format, there have been cases of the FRI being issued in order to justify work patterns that clearly require further action to reduce fatigue-related risk.
- FRI users who have access to the FRI in its current format can continue to use it, provided you have the necessary expertise to use the tool and understand the outputs and limitations.

Following feedback, we are making the tool available, as well as how to documents, to aid with calculations.

[HSE Fatigue and Risk Index \(FRI\) Calculator](#)

Useful Links

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

Item	Details
Health and Safety Executive http://www.hse.gov.uk – Website	Government agency responsible for regulating risks to health and safety arising from work. HSE publications can be downloaded free in Adobe PDF format.
CIRAS Online http://www.ciras.org.uk – free access	The Confidential Incident Reporting and Analysis System Freephone number 0800 4 101 101.
Network Rail http://www.networkrail.co.uk – Website	Owner and operator of Britain's railway infrastructure.
Network Rail Standards If you have any queries re the registration form or the Network Rail Standards portal, please email: STSupplierSupport@networkrail.co.uk Network Rail Technical Drawings National Records Group Email: nrgcivils@networkrail.co.uk	from 31 August 2023, free access to Network Rail's extensive catalogue of standards and controls documentation will be via a new (interim) website. This new site will be called the Network Rail Standards Portal. If you have not already done so, please register for access to the Network Rail Standards Portal by completing this registration form as soon as you can, so that your new log in account can be set up.
Network Rail Safety Central http://safety.networkrail.co.uk – free access	The site is your one-stop shop of safety information, advice, resources and useful contacts, designed to promote consistency and best practice across the whole rail industry. The information is divided under the following sections: <ul style="list-style-type: none"> • Alerts & Campaign Material • Communication & Health • Commitment & Rules • Safety Groups • On Site Solutions • Toolbox
RSSB Close Call System www.closecallsystem.co.uk – Register for access	At the request of Network Rail and its contractors, RSSB has developed a new internet-based system that will allow the industry to centrally record and analyse 'Close Call incidents'. This is known as the Close Call System.
Rail Safety and Standards Board http://www.rssb.co.uk – Register for access to certain documents	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.
Rail Sentinel https://www.railsentinel.co.uk/ – registered companies only	Sentinel Scheme Rules The latest copy of the scheme rules can be found here: Sentinel Scheme Rules
Office of Rail and Road http://orr.gov.uk/ – free access	Independent safety and economic regulator for Britain's railways, and monitor of performance and efficiency for England's Strategic Road Network.
Rail Accident Investigation Branch http://www.raib.gov.uk/ – free access	Independent railway accident investigation organisation for the UK. It investigates railway accidents and incidents on the UK's railways to improve safety, not to establish blame.

Item	Details
<p>Railway Group Standards https://www.rssb.co.uk/standards-catalogue – free access with registration</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. 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 https://www.rssb.co.uk/standards-catalogue#stakeholder-publications</p> <p>Refine results by selecting Lead Committee</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 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>

Other Bulletins

Track Safety Alliance

A few videos of interest at the Track Safety Alliance website:

<http://www.tracksafetyalliance.co.uk/videos/65/>

Southern Shield

Everyone Home Safe Every Day

Southern Shield is a collaborative safety forum that consists of Network Rail Infrastructure Projects Southern Region and its principal contractors. There are many more useful links on their website

<https://www.southernshield.co.uk/>

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

Electrical Safety Step Up

[Electrical Safety Step Up - Safety Central \(networkrail.co.uk\)](#)

- [Electrical Safety Step Up Promotional Material](#) ZIP / 26 Jan 2023
 - [Conductor Rail Equipment Scenario Film](#) MP4 / 16 Jan 2023
 - [Facilitation Guides](#) ZIP / 12 Jan 2023
 - [Our Call to Action Closing Film](#) MP4 / 4 Jan 2023
 - [OLE Scenario Film](#) MP4 / 4 Jan 2023
 - [Your Commitment to Working Safe](#) MP4 / 4 Jan 2023
 - [Andrew Haines Welcome](#) MP4 / 4 Jan 2023
 - [Electrical Safety Step Up Slide Deck – OLE No Films](#) PPTX / 4 Jan 2023
 - [Electrical Safety Step Up Slide Deck – Conductor Rail Equipment No Films](#) PPTX / 4 Jan 2023
-
- [Bryant's story](#) MP4 / 4 Jan 2023



Drugs and Alcohol standard (supplier page)

[Drugs and Alcohol standard \(supplier page\) - Safety Central \(networkrail.co.uk\)](#)

What's changing?

Our supply chain colleagues are expected to test 20% of their safety critical staff so please make sure you are familiar with the changes, and never attend work under the influence of drugs or alcohol.

- [Drugs and Alcohol standard – Line Manager Briefing Pack – Supply Chain](#) PPTX / 13 Oct 2022
- [Drugs and Alcohol standard – Change on a page \(Supply Chain\)](#) PDF / 13 Oct 2022

Miscellaneous



Works Delivery Fast Facts:

Leg injury after contact with Hedge-cutter



On the 2nd September 2024, at approx. 11:30, a vegetation Operative whilst using a Hedge-cutter made contact with their thigh just above the knee on the left leg. This caused a number of jagged cuts.

First aid was administered on site & the Operative was transported to hospital where the wound was cleaned, glued & dressed. The IP was then released.

A Level-1 Investigation is planned to be undertaken to understand how this happened & what steps can be taken to prevent a reoccurrence.

Staff are reminded to Take-5 Before, During & After a Task.



A Lessons Learnt will be cascaded upon completion of the Level-1 Investigation.



Safety Bulletin



everyone
home safe
every day

Lineside Irregular Working

Ref:	W&B0902
Date of Issue:	11/09/2024
Location:	Wales and Borders
Contact	Lisa East



Overview

Over the last two periods there has been a concerning rise in worksite irregularities across Wales and Borders.

These have included events involving our maintenance, operational and our route planning teams.

A number of these incidents have involved people working, or placing protection outside the limits of the possessions. Whilst nobody was physically hurt this time, every one of these events could have had very different and potentially catastrophic consequences.

All of these events are under investigation however, our initial findings have identified some common themes between these events:

- Safety critical communication could have played a crucial part in prevention of these events.
- Safe Systems of Work Packs (SWP) have been found to be unsuitable for some of the activities which may have contributed to individuals accessing or straying outside their protection limits.
- Incorrectly placed protection, detonators and worksite markerboards.

Discussion Points:

- The PIC should be involved in the creation of the SWP. How are PICs (COSS) involved?
- The information contained in the SWP should be concise, specific and relevant to the task and location of where the work is being undertaken and the associated operational risk(s). When checking the SWP, what should the PIC consider and confirm?
- If the Planner does not have site or task knowledge, what tools should they use to provide this necessary information?
- In accordance with GE/RT800 the PIC shall brief the group on the SWP requirements, how do you check and challenge to ensure everyone has understood the briefing? Does this happen frequently, even in familiar locations or cyclical line blocks?
- How confident are you that after a briefing, everyone in your workgroup can identify and recognise the limits of your protection?
- Once work is completed and SWPs are returned to the Planner, how are reoccurring issues or trends addressed?



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Safety Posters

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- Regional Exec and All SHE Professionals

WSW v0.2

- All Wales Route
- Wales Operations
- Wales Maintenance

- All Western Route
- Western Operations
- Western Maintenance

- Capital Delivery
- DEAM / Commercial and Support Functions

062023

Safety Bulletin



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062023

Lessons Learnt – Breeding Bird Incident -



What Happened?

The SPL team working on the Midland Mainline electrification project completed a visual inspection of a materials box for lifting purposes. The box was lifted using a forklift onto the back of a flatbed truck and transported to a separate depot where it was unloaded and placed inside a warehouse.

The following morning, while personnel were unloading the boxes, a nest containing 4 sparrow chicks was discovered at the very bottom of the box, previously hidden by materials. The discovery was promptly documented and reported to the SPL environmental team and ecologist. The ecologist advised to return the box and chicks to the compound as soon as possible. Despite the swift action of all of those involved, the chicks sadly perished.



Pictures of the compound location and the nest after it was discovered

Lessons Learnt

- **Inadequate Inspection:** The box was not thoroughly inspected for nests before being moved. The standard visual inspections did not account for potential wildlife nesting in concealed areas.
- **Environmental Conditions:** The absence of lids on the boxes allowed birds to access and nest inside the boxes, leading to this incident.

Breeding Birds and Nest Checks

- ALL wild birds, their nests, and eggs are afforded legal protection. The severity of penalties varies depending on the species and the nature of the offense – your ecologist can advise.
- A breeding bird check shall be completed before ALL vegetation work and before any activity that could impact nesting birds, such as tree work, shrub work, ditch maintenance, rock-face cleaning, and construction/ground disturbance.
- Copies of checks are to remain on site – the British Transport Police can and have stopped works and requested to see these.
- Birds can and do breed outside of the breeding bird season (March-September). As this case study shows, not all nests occur in vegetation.



Scan or Click the QR Code
for breeding birds and
nest form



OFFICIAL

Southern Significant Event Fast Facts

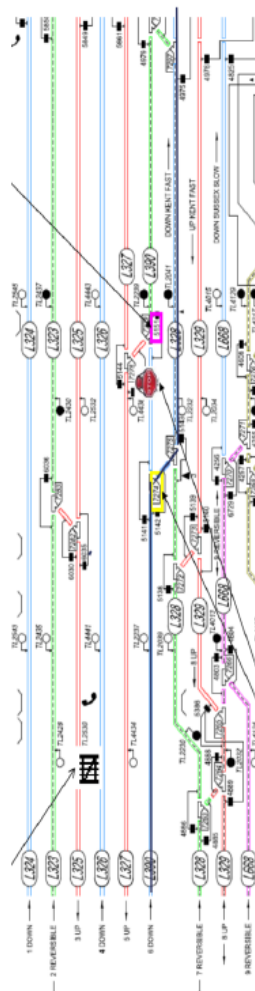
BETTER TOGETHER
SOUTHERN

Note: This document contains information understood to date 16-09-2024 and information may change following the investigation

Event details:

At 00:37 Friday TBROC SSM advised that the driver of 2S80 (0001 Ch X to Orpington) reported having a near miss with track staff at Spa Road Jn. They reported as they passed where the "6 Down diverges with the 7 Reversible" there were track staff ahead of the train that had to jump out the way. The driver applied the emergency brake and came to a stand on the Down Kent Fast.

The track staff were identified as Vital Possession Support Staff who were placing protection for WON Item 64. Protection was being placed on the 6 Down Beyond TL7274 pts which are standard blocking points at this location. (the diagram below shows the blocking location, and the route of the train highlighted in dark blue).



Immediate actions taken:

- Front Facing CCTV requested immediately after the incident.
- Footage reviewed within 12 hours of the incident taking place.
- Possession staff have been stood down from duty and retrospectively for caused screened.
- Initial statements have been taken from Possession staff involved.
- Senior Operations Delivery Manager has spoken to the Train Driver Manager to check on the wellbeing of the Driver involved.
- Joint review of incident undertaken between NR and Vital management teams.
- Review of the planned protection limits for this possession template undertaken by Senior ODM team.
- Revised arrangements to be implemented from this week.
- Formal IRIS Level 1 investigation started.
- Investigation will be led by the Head of Planning team.
- Consider inviting the Driver Manager to a future meeting with the Possession Delivery Team to discuss the incident in more detail.

Initial causes identified:

- The protection had been placed correctly as per the plan, and the PSS were stood on a protected line when the train went past on the adjacent open line.
- The protection planned was 'sub-standard' as per the Rule Book, meaning that the standard distance (400m) from the points to the protection was not possible at this location.
- The location chosen to place the protection positioned the PSS very close to the open line when the train travelled over the points.

Key issues for investigation to consider:

- Review the planning of the protection at this location and whether the arrangements were fit for purpose.
- Review the briefings that took place in advance of the work and whether they were in compliance with relevant standards and procedures (e.g. 303 and 019 Standards)
- Review the quality and accuracy of the Safety Critical paperwork produced in compliance with relevant standards and procedures (e.g. 303 and 019 Standards)
- Review the quality of the voice comms from the night for the following roles (if available) – PICOP, PSS, ODM, Control.
- Consider the process and rationale for not for cause screening the staff involved immediately following the incident.

Safety Alert

A serious incident has taken place

Train Collision on the Cambrian Line

Scope: All Network Rail line managers, safety professionals and accredited contractors

Ref: NRX24-02

Date: 24/10/2024

Location: Cambrian Line, Wales

Contact: Paul Ashton, System Operator



Overview

On the evening of 21 October, two Transport for Wales (TfW) passenger trains collided at low speed at Llanbrynmair in Powys, Wales. One person has tragically passed away, and a number of passengers and train crew have sustained injuries, not believed to be life-threatening and are receiving treatment.

The priority for Network Rail and TfW is supporting colleagues, customers and continuing to deliver the service as best we can whilst also, separately, supporting the investigation into understanding what has happened.

Rail Accident Investigation Branch (RAIB) and the British Transport Police (BTP) have the site of the incident under control and are in the process of gathering evidence in conjunction with the Network Rail Designated Competent Person (DCP) and TfW. The facts we do know are that the location has a falling gradient, the line is bi-directional with a passing loop.

RAIB's initial inspection of the track on approach to the point of collision found evidence that wheel/rail adhesion was relatively low, suggesting that the train may have entered into wheel slide when braking. The cause of the collision remains under investigation, and it is important not to speculate on the events whilst investigations are ongoing.

This incident acts as a reminder to all operational colleagues the importance of continuing to follow the established rules and procedures in place for low adhesion conditions throughout your everyday working and thank you for your ongoing commitment to the safety of our railway.




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Works Delivery Fast Facts

Date of incident: 20th November 2024
Accident Type: Lacerated finger



What happened:

At approx. 14:20 on Wednesday 20th November 2024, whilst undertaking refurbishment works at Luton Relay Room, an Operative was putting away a battery powered Band-Saw when they inadvertently activated the saw causing a deep laceration to the finger. First aid was applied at site & the IP taken to hospital. The extent of the damage is unclear at this stage.

Immediate actions:

Leve-1 Investigation has been initiated.

All staff encourage to Take-5 Before, During & After Tasks.

A full detailed Lessons Learnt is to be undertaken & cascaded upon completion of the investigation.



Bridgeway 2025/2026 Calendar

JANUARY									FEBRUARY									MARCH									APRIL											
P	WK	Sa	Su	Mo	Tu	We	Th	Fr		P	WK	Sa	Su	Mo	Tu	We	Th	Fr		P	WK	Sa	Su	Mo	Tu	We	Th	Fr		P	WK	Sa	Su	Mo	Tu	We	Th	Fr
10	40					1	2	3		12	45	1	2	3	4	5	6	7		13	49	1	2	3	4	5	6	7		1	1				1	2	3	4
11	41	4	5	6	7	8	9	10		12	46	8	9	10	11	12	13	14		13	50	8	9	10	11	12	13	14		1	2	5	6	7	8	9	10	11
11	42	11	12	13	14	15	16	17		12	47	15	16	17	18	19	20	21		13	51	15	16	17	18	19	20	21		1	3	12	13	14	15	16	17	18
11	43	18	19	20	21	22	23	24		12	48	22	23	24	25	26	27	28		13	52	22	23	24	25	26	27	28		1	4	19	20	21	22	23	24	25
11	44	25	26	27	28	29	30	31												13	1	29	30	31						2	5	26	27	28	29	30		

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

SEPTEMBER									OCTOBER									NOVEMBER									DECEMBER								
P	WK	Sa	Su	Mo	Tu	We	Th	Fr	P	WK	Sa	Su	Mo	Tu	We	Th	Fr	P	WK	Sa	Su	Mo	Tu	We	Th	Fr	P	WK	Sa	Su	Mo	Tu	We	Th	Fr
6	23			1	2	3	4	5	7	27					1	2	3	8	32	1	2	3	4	5	6	7	9	36			1	2	3	4	5
6	24	6	7	8	9	10	11	12	7	28	4	5	6	7	8	9	10	9	33	8	9	10	11	12	13	14	10	37	6	7	8	9	10	11	12
7	25	13	14	15	16	17	18	19	8	29	11	12	13	14	15	16	17	9	34	15	16	17	18	19	20	21	10	38	13	14	15	16	17	18	19
7	26	20	21	22	23	24	25	26	8	30	18	19	20	21	22	23	24	9	35	22	23	24	25	26	27	28	10	39	20	21	22	23	24	25	26
7	27	27	28	29	30				8	31	25	26	27	28	29	30	31	9	36	29	30						10	40	27	28	29	30	31		

JANUARY 2026									FEBRUARY 2026									MARCH 2026									APRIL 2026								
P	WK	Sa	Su	Mo	Tu	We	Th	Fr	P	WK	Sa	Su	Mo	Tu	We	Th	Fr	P	WK	Sa	Su	Mo	Tu	We	Th	Fr	P	WK	Sa	Su	Mo	Tu	We	Th	Fr
10	40						1	2	12	45		1	2	3	4	5	6	13	49		1	2	3	4	5	6	1	53					1	2	3
11	41	3	4	5	6	7	8	9	12	46	7	8	9	10	11	12	13	13	50	7	8	9	10	11	12	13	1	1	4	5	6	7	8	9	10
11	42	10	11	12	13	14	15	16	12	47	14	15	16	17	18	19	20	13	51	14	15	16	17	18	19	20	1	2	11	12	13	14	15	16	17
11	43	17	18	19	20	21	22	23	12	48	21	22	23	24	25	26	27	13	52	21	22	23	24	25	26	27	1	3	18	19	20	21	22	23	24
11	44	24	25	26	27	28	29	30	13	49	28							13	53	28	29	30	31				1	4	25	26	27	28	29	30	
12	45	31																																	

Network Rail period end Bank Holiday (England and Wales)



PERMANENT WAY SIGNALLING CONFINED SPACES STRUCTURES EXAMINATIONS ROPE ACCESS DIVING WINDOW SAMPLING ROTARY DRILLING SLOPE DRILLING ASSURANCE & COMPLIANCE SERVICES



POSSESSION MANAGEMENT

AC ISOLATIONS



DC ISOLATIONS

RAIL TRAINING & ASSESSMENT



TOPOGRAPHICAL & UTILITIES

MONITORING



ENABLING WORKS

UNMANNED AERIAL VEHICLE

Bridgeway Consulting Limited

0115 919 1111

enquiries@bridgeway-consulting.co.uk

www.bridgeway-consulting.co.uk



Other Safety Information

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

TARGET



Scan or click on QR code to confirm briefing.



Checklist for Working in Winter

Always be prepared for whatever the weather brings this winter:

- Keep spare batteries for your torch/headlamp.
- Charge your mobile phone before you leave and keep a powerbank backup.
- Keep spare clothing and blankets in your vehicle.
- Check the weather daily. Plan for your journey and your shift.

- Do vehicle checks and ensure you have enough fuel before every journey. Allow enough time for travel disruptions.
- Check your safety footwear has a good grip. Don't rush especially when walking in slippery/icy conditions or when carrying equipment.
- Plan your walking route and consider underfoot conditions.
- Let someone know when you expect to finish.

1 Working in Winter and Staying Healthy

Being healthy and fit is really important if you are working outdoors in winter:

- **Clothing:** Your PPE should be weatherproof and appropriate for the conditions and tasks you are undertaking. Wear additional layers underneath your PPE and extra socks to keep warm. Only use approved PPE.
- **Health:** Eat a well balanced diet and drink plenty of water. Fruit and vegetables contain vitamins and minerals that really do help to fight and combat illness.
- **Food & drink:** Your body needs fuel to produce heat. Lack of food can cause you to become fatigued and decrease your attention levels. Take your meals throughout the day as snacks rather than two or three heavy meals. A thermos of hot beverage will warm you up when you need it.
- **Rest:** Make sure you are well rested before

your next shift. A good sleep helps boost your immunity and restore energy as well as improve concentration, focus and creativeness.

- **Exercise:** Physical activity is an important aspect to keep yourself fit throughout the winter. A daily routine of exercise or any form of physical activity will help to keep you warm and boosts the immune system improving defence against seasonal ailments like flu and colds.
- **Medication:** Consider getting a flu jab if you are prone to it. If you are taking any medication, you MUST advise your Line Manager and the People team well ahead of your next shift so that medication checks can be made.

Many people suffer from Seasonal Affective Disorder (SAD) or "the winter blues" during the dark winter months. See our Health Matters article for more information.

BRIDGEWAY GOLDEN SITE RULE #1: I WILL ALWAYS BE FIT FOR WORK.



2 Right People, Right Place, Right Time

Loss of situational awareness is a contributing factor to incidents and near misses on the railway. It can be caused by numerous factors i.e., over-familiarity, distractions, working in a new location, or not fully understanding your work instructions.

Your safety and that of others is highly dependent on you doing the right thing, at the right time and at the right place as well as staying aware of what is happening around you and being aware and knowing where you are.

Preparation is key to ensuring your safety on the railway. Review your safe work pack (SWP) prior to your shift and understand your task requirements, limits of all line blocks, possessions and worksites, and

if there will be any lines open to traffic.

Upon arriving at site, confirm you are in the right place by referring to the Access Point Information board. Get your bearings by referring to your SWP and identifying datum points i.e., signals, point numbers, mileage posts and signal boxes.

You must come to a clear understanding of all instructions given. Repeat back instructions and identify locations precisely. Ask and clarify if you are not sure. Stay focused & pay attention.

If at any time you lose situational awareness and become disorientated, and you find yourself doubting where you are or what you are supposed to do, **STOP**, get to a position of safety and seek help. Don't guess.

BE AWARE OF WHERE YOU ARE AND WHAT'S HAPPENING AROUND YOU.



3 Assumption Is a Posh Word for a Guess.

Every shift is different, even if you work at the same place, doing the same tasks over consecutive days. Do not be complacent and assume that everything will be the same for each shift, as this can lead to accidents and incidents that could affect your safety and the safety of others.

No matter how experienced and careful you are, there is always a chance that something may go wrong. Good work preparation habits will help you work and come home safe.

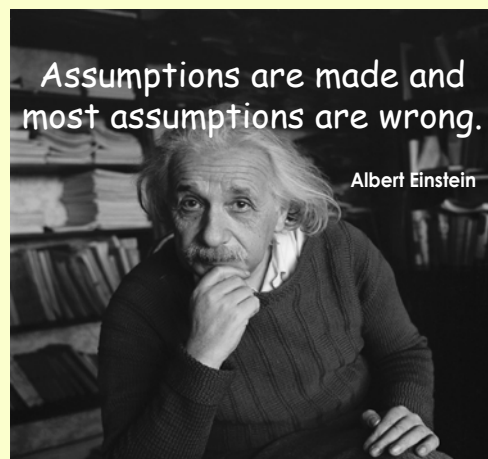
You must review and understand all requirements and tasks stated within your safe work pack prior to every shift to identify if there are any changes to work instructions, procedures or equipment.

We are here to support you and keep you safe whilst carrying out your duty. If you have not been to the location before, or if you are not comfortable with the track layout, contact your Line Manager and site visits can be arranged to help you familiarise yourself with the area where you will be working.

Always be prepared for changes during your shift, but remember, all changes must be approved by the Bridgeway On-Call Manager with an Authority Number given by them.

If you have any issues during your shift raise them immediately. If a resolution cannot be made then contact the Bridgeway On-Call Manager for further guidance and support.

ASSUMING IS GUESSING AND GUESSING IS GAMBLING. DON'T DO IT!



Soil

Soil is one of the most biodiverse habitats on Earth, supporting thousands of different species of fungi, bacteria and invertebrates. 25 percent of animal species on Earth live underground, while 40 percent of organisms in terrestrial ecosystems are associated with soil at some point during their lifecycles. A typically healthy soil will be teeming with biodiversity and may include a variety of earthworms, 20-30 types of small arachnids, 50-100 species of insects, hundreds of different fungi and thousands of bacteria species.

This healthy ecosystem helps to drive the Earth's carbon, nitrogen and water cycles, thereby creating the nutrients and food we need to survive. Simply put, soil produces a staggering 95 percent of humanity's food supply, by growing both the crops we eat and the grasses and other plants that are fed to livestock.

Soil also filters and purifies our water, reduces flooding, regulates the atmosphere and plays a crucial role in driving the carbon and nitrogen cycles. Soil stores an extraordinary quantity of carbon: three times the amount in the atmosphere and twice the amount contained in all plants and trees.

Soil Degradation Effects And Consequences

Soil erosion occurs naturally under all climatic conditions and on all continents, but it is significantly increased and accelerated by unsustainable human activities. There are multiple human-made threats to soil health. These include deforestation, urbanization, agricultural intensification, soil compaction, acidification, salinisation, pollution, landslides, wildfires and soil erosion. These actions disturb soil and leave it vulnerable to wind and water erosion, which damages the complex systems underneath.

When soil degrades, the processes that take place within it are damaged. This causes a decline in soil health, biodiversity and productivity. Soil degradation has far-reaching negative consequences, including landslides, flooding, desertification, water contamination, and a drop in food production worldwide.

We are only just beginning to learn about the scale and costs of soil degradation from construction. Soil erosion on construction sites can be 100 times greater than on agricultural soils due to the removal of vegetation, disturbance of soil and alteration of topography. Sustainable land management approaches, such as conservation agriculture, precision fertilization methods, afforestation, and pollution control measures, are essential for addressing the detrimental effects of all types of soil degradation before they become irreversible.

Sharps

Sharps is the generic term for hypodermic needles and syringes. Be aware that sharps may present in your working environment. Sharps have been found in salt bins, bags of rubbish on track, under bridges, station areas, station toilets, rubbish bins and in vegetation.

There have also been a reported rise in cases of sharp objects being hidden around the rail network with the sole intention to cause injury. Most recently these have been in the form of razor blades underneath stickers.



A sharps injury is any injury which involves penetrating or breaking the skin by sharp objects (such as hypodermic needles, knives, broken glass or barbed wire) that could be contaminated with body fluids.

The main risk from needle-stick injury is exposure to blood-borne viruses (BBV). These include:

- Hepatitis B (HBV).
- Hepatitis C (HCV).
- Human immunodeficiency virus (HIV).

An effective protection vaccine is available for HBV, but there is no such protection for the other BBVs. To minimise any risks:

- Don't pick up any sharps.
- Don't work in unlit areas.
- Take extreme care where vegetation is overgrown.
- Know what's there before touching anything.

What can I do?

- Always wear the correct PPE; in particular safety footwear and gloves.
- Quarantine any sharps and the area it was found in – there may be more that you can't see. Spray them with marker paint and report them immediately.
- Only handle sharps if you have been trained. Remember the following:
 - Handle sharps as little as possible, always use appropriate tools such as tongs.
 - Do not dismantle syringes and needles by hand before disposal.
 - Follow any waste disposal arrangements.



What do I do if I'm injured?



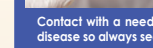
Gently squeeze the area around the wound to encourage bleeding.



Do not suck the wound; clean the wound under running water or cleansing wipes provided in first aid kits.



Cover the wound with a dry plaster or dressing. Keep the needle that caused the injury in a safe place, it may be needed by the doctor.



Contact with a needle can cause infection or spread disease so always seek medical advice and treatment immediately.



Remember that all accidents must be reported to the Bridgeway On-Call Manager.

Close Calls



You can report, view and track the status of your Close Call via the Bridgeway Help App or go to closecall.bridgeway.consulting.

CLOSE CALL OF THE YEAR AWARD.

All Close Calls of the Month will be entered for the Close Call of the Year award in December 2024. The winner will receive a prize of £500.

I Said: Network Rail left access gates open.

Roger Lander, Examinations

I Did: I asked them why they were open (they were a fair way from the gates) . They said it's ok as someone was coming back as they'd just nipped out. I had already closed and locked the gates, I explained this and they should always be locked- they really didn't seem at all bothered.

I Said: Hypodermic needles and evidence of drug use found underneath structure which needs to be cleared of vegetation. Potentially needle strikes could occur..

Matthew Langley, Examinations

I Did: Spent time examining area for needles, using bio-hazard kit to pick and dispose of any needles found.

I Said: Bird nest found on pre-site bird nesting check.

Guy Strickett, Examinations

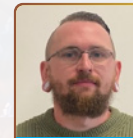
I Did: A 5m exclusion zone was set up around nest.

I Said: Break in at the FSS1499A arch over the weekend. VEAP padlock had been cut and replaced with non-railway locks. Debris left inside arch.

Sorin Titan, Examinations

I Did: Raised with site clearance team from ArchCo who will action replacement of the padlock with VEAP one.

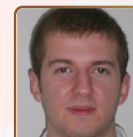
2024 Close Calls of the Month



September

I Said: Very dangerous load, expensive GRP Scaffold loaded without care and not strapped down to prevent movement.

Daniel Driscoll, Operations Support



October

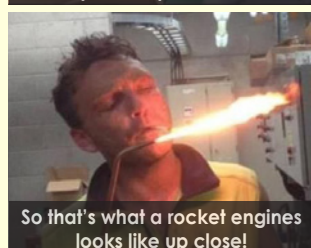
I Said: When on tracking the RRV one of the sleepers at penny's garage RRAP lifted up by approximately 150mm on one end. We hit this back down into it's original position and resecured it so it was safe. I reported this to the PICOP on the night who arranged for a Network Rail team to inspect the RRAP and check it was safe for use and passage of trains. The team remained at the RRAP until the works requiring the RRV were complete so they could check everything was fine getting the machine off. The machine was off-tracked with no issue.

Cameron Tuxford, Site Investigations

Safety First (NOT!!!) No worries, right?



Best eye spa treatment ever. Your eyes will sparkle after this!



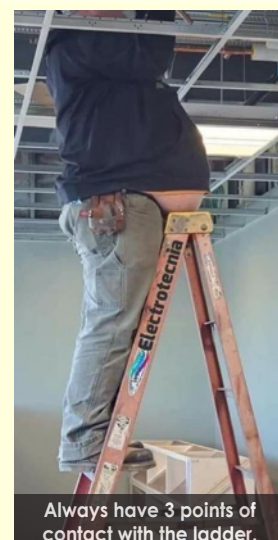
So that's what a rocket engines looks like up close!



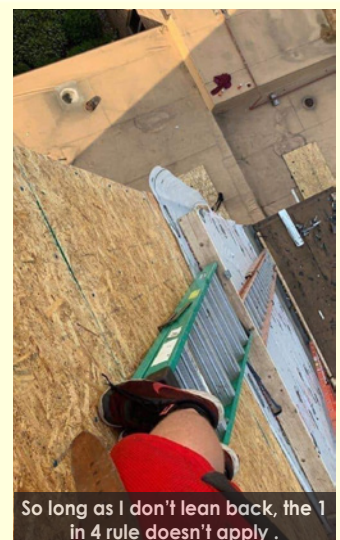
He forgot to check the oil when it was on the floor.



I'll stop you rolling off the table.



Always have 3 points of contact with the ladder.



So long as I don't lean back, the 1 in 4 rule doesn't apply.

How SAD Are You?

Seasonal affective disorder (SAD) is a type of depression that comes and goes in a seasonal pattern. The terms 'winter depression' and 'winter blues' have also been used to describe SAD.

The exact cause of SAD is not fully understood, but it's often linked to reduced exposure to sunlight during the shorter autumn and winter days. The main theory is that a lack of sunlight might stop a part of the brain called the hypothalamus working properly, which may affect:

- **Melatonin production** - a hormone that makes you feel sleepy; in people with SAD, the body may produce it in higher than normal levels
- **Serotonin production** - a hormone that affects your mood, appetite and sleep; a lack of sunlight may lead to lower serotonin levels, which is linked to feelings of depression
- **The body's internal clock (circadian rhythm)** - your body uses sunlight to time various important functions, such as when you wake up, so lower light levels during the winter may disrupt your body clock and lead to symptoms of SAD

It's also possible that some people are more vulnerable to SAD as a result of their genes, as some cases appear to run in families. You might find that your mood or energy levels drop when it gets colder,

or notice changes in your sleeping or eating patterns. But if your feelings are interfering with your everyday life and they keep coming back at the same time of year, you may be suffering from SAD.



You should see a GP if you think you might have SAD and you're finding it difficult to cope. Your GP will be able to recommend the most suitable treatment programme for you based on the nature and severity of your symptoms. The main treatments are:

- **Lifestyle measures** - including getting as much natural sunlight as possible, exercising regularly and managing your stress levels
- **Light therapy** - where a special lamp called a light box is used to simulate exposure to sunlight
- **Talking therapies** - such as cognitive behavioural

Health Matters

therapy (CBT) or counselling

- **Antidepressant medicine** - such as selective serotonin reuptake inhibitors (SSRIs)

Things you can try yourself

There are a number of things you can do to help improve your symptoms:

- Try to get as much natural sunlight as possible - even a brief lunchtime walk can be beneficial.
- Make your work and home environments as light and airy as possible
- Sit near windows when you're indoors.
- Take plenty of regular exercise, particularly outdoors and in daylight - Scan the QR code or click the link read more about [exercise for depression](#).
- Eat a healthy, balanced diet.
- If possible, avoid stressful situations and take steps to manage stress.



There are a lot of people who also suffer from SAD. You don't have to do it alone and you can talk to a Bridgeway Wellbeing Champion.

It can also be helpful to talk to your family and friends about SAD, so they understand how your mood changes during the winter. This can help them to support you more effectively.

Slips, Trips and Falls

Many slips, trips and falls could have been avoided or prevented had more care been taken and situational awareness observed. A reduced or lack of situational awareness is a causal factor in many accidents:

- Often you become so absorbed in the task or your own thoughts, that you fail to spot things that could pose a serious threat to safety.
- Sometimes there is so much 'going on' at the same time, e.g., in times of high workload or when under pressure to get a job done in time.

Some common causes for slips, trips and falls are:

- Slip on loose ballast, sleepers or slippery surfaces.
- Trip caused by foot caught in vegetation.
- Fall due to broken or open catchpits, troughing.
- Losing balance while lifting/placing equipment.



Reduce the Risk of Slips, Trips & Falls

- Your safety footwear must be in good condition, has a good grip and is fully laced up.
- Take care when stepping out of your vehicle.
- Keep your hands out of your pockets.
- Plan the best walking route and use authorised walking routes where possible.
- Use the handrails when using steps.
- Avoid undue haste - don't take short cuts.
- Concentrate and look where you're going.
- Don't be distracted by phone conversations.
- Be extra careful when carrying heavy or bulky loads up and down steps or inclines.
- Make sure you can see where you're going. Use site lighting where possible or your head torches in poor lighting conditions.

Manual Handling

Manual handling means transporting or supporting a load by hand or bodily force. It includes lifting, putting down, pushing, pulling, carrying or moving loads (A load can be an object, person or animal).

You risk developing musculoskeletal disorders (MSDs) through incorrect manual handling techniques, awkward postures and repetitive lifting of heavy loads.

When carrying out manual handling remember to also consider the additional and increased risk of slips, trips and falls which can occur when carrying or passing items of equipment.

OBJECT

Consider the object size, shape, surface and weight.

Can one person manage?

Is there an alternative method for handling?

CONDITIONS

Consider the area or space and conditions when carrying objects.

<p>Clean all spills immediately. Mark spills and wet areas with warning signs and barricades.</p>	<p>Remove obstacles from walkways and always keep them free of clutter.</p>	<p>Cover cords and cables that cross walkways.</p>
<p>Keep working areas and walkways well lit. Replace burned out light bulbs and faulty switches.</p>	<p>Secure mats, rugs and carpets that do not lay flat by tacking or taping them down.</p>	<p>Spread grease absorbent compound on oily surfaces.</p>
<p>Always close file cabinet or storage drawers.</p>	<p>Never carry or push loads that block your vision.</p>	<p>Cover all floor openings or protect them with guardrails.</p>

DESTINATION

Plan the route where you are carrying the object to and how you are going to do it.

<p>Lifting</p> <p>Workbenches should be at waist height or be adjustable to prevent</p>	<p>Moving</p> <p>Use trolleys to move the boxes from one place to another place.</p>
<p>Turning</p> <p>Ensure that there is enough room to turn around to prevent twisting.</p>	<p>On staircase</p> <p>Use elevating platforms when moving boxes through staircase.</p>
<p>Reaching overhead items</p> <p>Use elevating platforms or step stools or step ladders to reach over-</p>	

We all have a part to play in working, driving and behaving SAFELY and SUSTAINABLY.

If you have any comments on this or any issue of the Safety 3-4-3™ or Fleet 3-4-3™ newsletter, or any other suggestions regarding close calls, safety behaviours, health, safety, environmental or driving related matters, please contact us at the email addresses shown on the right.

Bridgeway Consulting Ltd
Bridgeway House, 2 Riverside Way, Nottingham NG2 1DP

- assurance@bridgeway-consulting.co.uk
- fleet@bridgeway-consulting.co.uk



everyone
home safe
every day



The Driving Lifesaving Rules

More accidents happen to people while driving to and from work than while on the job or at home. The Driving Lifesaving Rules are applicable for everyone - not just those who work on the railway infrastructure:

- **Never work or drive while under the influence of drugs or alcohol.**
- **Never use a hand-held or hands-free phone, or programme any other mobile device, while driving.**
- **Always obey the speed limit and wear a seat belt.**

Be safe always - your unsafe driving behaviours could be life changing for others, not just yourself.
We want everyone to go home safe every day.

Scan or click on QR code to confirm briefing.



1 Winter Driving

Breakdowns and accidents are more common in the winter when road conditions are challenging, especially if there's snow, ice or sleet.

Here are some useful tips:

- Allow more time to clear all windows and lights of snow and ice for visibility and your number plate. Clear snow from the roof, bonnet and rear of the vehicle as it can pose safety issues to other road users.
- Plan routes around major roads, which are more likely to be cleared and gritted. Driving in the dark can be tiring so plan to take breaks every 2 hours to stay safe.
- Bring a hat, scarf and winter coat plus blankets and suitable provisions in case of a breakdown, getting stranded at the roadside or stuck in a lengthy traffic congestion.
- Don't drive with a cold if you're feeling unwell and

are on any medication that could make you drowsy and affect your reaction times.

When driving:

- If visibility is reduced, so use dipped headlights.
- Always maintain full control to ensure vehicle stability while braking, accelerating, changing gear and applying steering angle as smoothly as possible.
- Look ahead to avoid any erratic steering and braking actions. Make slow gentle manoeuvres to stay safe while driving in snow and ice. When brakes are needed, they should be applied gently.
- Stopping distances are 10 times longer in snow and ice. Maintain speed and a safe distance and avoid tailgating at all costs.
- If stuck in snow, straighten the steering and clear the snow from the wheels. Put a sack or old rug in front of the driving wheels to give the tyres some grip.



AVOID RISKY DRIVING BEHAVIOURS. A SAFE DRIVER SAVE LIVES.

2 Fuel Economy

Fuel costs are often the largest expense involved in running a vehicle, but they're also one that you can have more control over.

- Regular maintenance and servicing will improve vehicle efficiency and improve fuel consumption.
- A heavy vehicle requires more fuel to move. Remove unnecessary items in the vehicle. An unnecessary 45kg in the vehicle reduces mpg by 1%.
- Equipment carried on the vehicle's roof creates drag which increases fuel consumption.
- Underinflated or overinflated tyre pressures adversely affect fuel economy. Your vehicle's tyre pressures will vary depending on the load being carried.

- One of the keys to saving fuel is avoiding unnecessary changes in speed when driving. Aggressive driving (speeding, rapid acceleration, and braking) wastes fuel. It can lower fuel economy by 15% to 30% at highway speeds and 10% to 40% in stop-and-go traffic.
- Anticipate what is going to happen in front by looking well ahead. Seeing traffic lights on red means you can ease back on the accelerator or slow down naturally to potentially keep moving as opposed to coming to a stop.
- The faster an engine spins, the more fuel it uses. Drive in the highest possible gear for your vehicle while keeping within the speed limit.
- If you're parked up, avoid leaving the engine idling.

FUEL ECONOMY MEASURES HOW FAR A VEHICLE CAN TRAVEL ON A CERTAIN AMOUNT OF FUEL.



3 FLOWER Vehicle Checks

FLOWER checks before your journey can help to keep your vehicles safer on the roads and reduce risks of unnecessary accidents or breakdowns.

- **Fuel.** Ensure you have enough for the journey.
- **Lights.** Check your headlights, brake lights, and indicators are all functioning properly - they help alert other road users to your presence and enable you to see other drivers more clearly.
- **Oil.** Complete this check when the engine is cold for accurate results.
- **Water.** Check lubricants, coolants and washer fluid levels.
- **Electrics.** If your car takes longer to start than usual, this could suggest battery problems, and you may need to get your battery looked at to ensure that it's in good condition.
- **Rubber.** Your tyres are vital for keeping your vehicle safe. There are a number of tyre checks that you can carry out before your journey to make sure your tyres are performing at their best. These checks include:

- **Tyre pressure checks.** Make sure that your tyres are inflated to the correct pressure to maintain proper grip on the roads and avoid uneven wear.
- **Uneven wear.** Check the surface of your tyre for any signs of uneven tyre wear. Look out for any irregular wear visually and by moving your hands across the surface of the tyres and feeling to see if there are any inconsistencies.
- **Sidewall damage.** Check for bulges, cuts, or nicks in your tyre sidewall as these show that the tyre is significantly damaged and puts you at greater risk of experiencing a tyre blowout.
- **Tread depth.** Tyres need sufficient tread depth to maintain grip on the road. Carry out the 20p test - insert a 20p coin into your tyre's tread. If the outer edge of the coin is visible, your tyres could be unsafe and even illegal. Complete this check at least once a month and before any long journey. It is vital in making sure that your tyres remain safe.

Use the Bridgeway Help App to report any vehicle defects, to the Fleet Team.

SAFER VEHICLES MEANS SAFER ROADS. CHECK YOUR VEHICLE BEFORE EVERY JOURNEY

