

June 2023 ACS Rail Updates

Welcome to the **June 2023** edition of ACS Rail updates.

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

The ACS Team

Content	Page
Changes to Network Rail Standards	2
Making sure you are aware of the relevant standards.....	2
Welcome to the Network Rail Standards Portal	2
New and Up-Issued Standards.....	3
Withdrawn, Closed and Superseded Documents.....	4
Emergency Changes (Previously Known as Letters of Instruction)	6
RSSB - Standards and the rail industry	7
Railway Group Standards (RGSs).....	7
Rule Book (GE/RT8000)	7
Rule Book App	7
GE/RM8000 Master Module Manual	7
Controlled Document List 03 June 2023	8
Network Rail Safety Central – Information Section	20
Code of Conduct	20
Network Rail Safety Bulletins	20
Lessons Learnt / Shared Learning.....	20
Health & Wellbeing.....	21
Risk Management	21
Resource Library.....	21
SCO 24:7 (Supply Chain – Operations) Telephone	21
Emergency.....	21
To report a crime.....	21
HSE Fatigue and Risk Index (FRI) Calculator.....	21
Useful Links	22
Other Bulletins	25
Track Safety Alliance.....	25
Southern Shield.....	25
Electrical Safety Step Up.....	25
Drugs and Alcohol standard (supplier page).....	25
Safety 3-4-3 and Fleet 3-4-3	37

BRIEFING REQUIREMENTS:

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



Changes to Network Rail Standards

Issue 128: 03rd June 2023 – 01st September 2023

Making sure you are aware of the relevant standards

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

Welcome to the Network Rail Standards Portal

Network Rail Standards are now made available FREE OF CHARGE to all Network Rail suppliers and partner organisations.

Via this online portal:

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

For this access you will need to do the following:

- Create an online account by clicking My Account and selecting Create New Account.
 - Register using your company email address and company address details.
 - If asked, enter your company VAT number
 - Select: Society Memberships: **Network Rail Partner or Supplier**
- Search for the standard(s) that you wish to obtain and click Add to Cart
- When you have finished shopping, click on Cart then click on View Shopping Cart
- In the Membership Information section of the shopping cart, enter your Company Registration Number in the Membership# box and click the Add button

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

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

Other Information

Network Rail Standards Subscriptions

IHS Global Ltd
Phone: 01344 328000 or email
customer.support@ihs.com

Network Rail Standards & Controls Publications Manager

Neil Whitaker
Phone: 01908 782564

Network Rail Technical Drawings

National Records Group
Email: nrgcivils@networkrail.co.uk

Network Rail Standards Hard Copy Document Centre

IHS Retail
Phone: 01344 328039
Fax: 01344 328005 or email:
emeastore@ihs.com

Railway Group Standards

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

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

Standards Updates

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

Issue 128 - 03 June 2023 New and Up-Issued Standards

References	Title	Replaces
NR/GN/CIV/002 Issue 6	The Use of Protective Coatings and Sealants	NR/GN/CIV/002 Issue 5
NR/GN/CIV/100 Issue 5	Strategic Design Manual	NR/GN/CIV/100 Issue 4
NR/GN/CIV/200 Issue 7	Station Design Manual	NR/GN/CIV/200 Issue 6
NR/GN/CIV/300 Issue 5	Compliance Design Manual	NR/GN/CIV/300 Issue 4
NR/GN/CIV/400 Issue 3	Operational Property Design Manual	NR/GN/CIV/400 Issue 2
NR/L2/CIV/039 Issue 1	Assessment and Certification of Protective Coatings	NR/L3/CIV/039 Issue 5
NR/L2/CIV/191 Issue 3	Mining Manual	NR/L2/CIV/191 Issue 2
NR/L3/CIV/040 Issue 3	Work Instruction for the Use of Protective Coating Systems	NR/L3/CIV/040 Issue 2
NR/L2/ELP/21087 Issue 10	Specification of Maintenance Frequency and Defect Prioritisation of Overhead Line Electrification Equipment	NR/L2/ELP/21087 Issue 9
NR/L3/ELP/27237 Issue 24	Overhead Line Work Instructions	NR/L3/ELP/27237 Issue 23
NR/L3/ELP/27240 Issue 12	Distribution Work Instructions	NR/L3/ELP/27240 Issue 11
NR/L3/ELP/27250 Issue 7	Conductor Rail Equipment Design and Maintenance Working Instructions	NR/L3/ELP/27250 Issue 6 NR/SP/ELP/21104 Issue 2 NR/GN/ELP/27019 Issue 2 NR/GN/ELP/27020 Issue 2 NR/SP/ELP/27021 Issue 2 NR/GN/ELP/27022 Issue 2 NR/SP/ELP/27192 Issue 2
NR/L3/ELP/29987 Issue 9	Working on or About 25 kV A.C. Electrified Lines	NR/L3/ELP/29987 Issue 8
NR/L3/ELP/SAI25 Issue 1	Working On or About Overhead Line Equipment (SAI)	New
NR/L2/ENV/120 Issue 2	Waste Management	NR/L2/ENV/120 Issue 1
NR/L2/INF/02202 Issue 7	Records Management of Health and Safety Files	NR/L2/INF/02202 Issue 6
NR/L3/MTC/II0219 Issue 4	Intelligent Infrastructure Remote Condition Monitoring Manual	NR/L3/MTC/II0219 Issue 3
NR/L3/MTC/MG0176 Issue 9	Ellipse Work Management Handbook	NR/L3/MTC/MG0176 Issue 8
NR/L3/MTC/RCS0216 Issue 26	Risk Control Manual	NR/L3/MTC/RCS0216 Issue 25
NR/L2/OHS/00130 Issue 2	Creating a Site of Work Segregated from the Railway	NR/L2/OHS/00130 Issue 1
NR/L2/OHS/006 Issue 7	Maintenance and Contents of the National Hazard Directory (formerly NR/L2/MTC/006)	NR/L2/MTC/006 Issue 6
NR/L2/OHS/019 Issue 12	Safety of People at Work on or Near the Line	NR/L2/OHS/019 Issue 11
NR/L2/OHS/021 Issue 5	Personal Protective Equipment (PPE)	NR/L2/OHS/021 Issue 4
NR/L3/OPS/045 Issue 27	National Operating Procedures Index	NR/L3/OPS/045 Issue 26
NR/L2/RSE/CONNM/001 Issue 1	Construction Management for Projects	New
NR/L3/SCO/314 Issue 3	Engineering Assurance for T&RS, OTM and OTP Projects	NR/L3/SCO/314 Issue 2
NR/L2/SIG/11774 Issue 5	Clamp Lock Handbook	NR/L2/SIG/11774 Issue 4
NR/L2/SIG/30009 Issue 25	Signalling Principles Handbook	NR/L2/SIG/30009 Issue 24
NR/L2/SIG/30014 Issue 22	Signalling Works Testing Handbook	NR/L2/SIG/30014 Issue 21
NR/L3/SIG/10661 Issue 24	Signalling Maintenance Task Intervals	NR/L3/SIG/10661 Issue 23
NR/L3/SIG/10665 Issue 23	Reliability Centred Maintenance of Signalling Equipment	NR/L3/SIG/10665 Issue 22
NR/L3/SIG/19808 Issue 5	Hy-Drive Supplementary Point Drive System	NR/L3/SIG/19808 Issue 4
NR/L3/TEL/30181 Issue 9	Telecoms Maintenance Work Instructions Handbook	NR/L3/TEL/30181 Issue 8 NR/L2/TEL/30069 Issue 2
NR/GN/TRK/2500 Issue 1	RE/PW/8000 Series Drawings	New
NR/L2/TRK/001 Issue 23	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 22
NR/L2/TRK/2102 Issue 12	Design and Construction of Track	NR/L2/TRK/2102 Issue 11
NR/L2/TRK/6100 Issue 6	The Installation and Maintenance of Stretcher Bars	NR/L2/TRK/6100 Issue 5
NR/L3/TRK/003 Issue 43	Index of Track Engineering Forms	NR/L3/TRK/003 Issue 42
NR/SP/TRK/1110 Issue 2	Qualification and Certification of Non-Destructive Testing Personnel	NR/SP/TRK/1110 Issue 1
NR/L2/XNG/30020 Issue 3	Level Crossings Design Handbook	NR/L2/XNG/30020 Issue 2

Withdrawn, Closed and Superseded Documents

References	Title	Replaced by/Status
NR/GN/CIV/002 Issue 5	The Use of Protective Coatings and Sealants	NR/GN/CIV/002 Issue 6
NR/GN/CIV/100 Issue 4	Strategic Design Manual	NR/GN/CIV/100 Issue 5
NR/GN/CIV/200 Issue 6	Station Design Manual	NR/GN/CIV/200 Issue 7
NR/GN/CIV/300 Issue 4	Compliance Design Manual	NR/GN/CIV/300 Issue 5
NR/GN/CIV/400 Issue 2	Operational Property Design Manual	NR/GN/CIV/400 Issue 3
NR/L2/CIV/191 Issue 2	Mining Manual	NR/L2/CIV/191 Issue 3
NR/L3/CIV/039 Issue 5	Specification for the Assessment & Certification of Protective Coatings & Sealants	NR/L2/CIV/039 Issue 1
NR/L3/CIV/040 Issue 2	Work Instruction for the Use of Protective Coating Systems	NR/L3/CIV/040 Issue 3
NR/GN/ELP/27019 Issue 2	Design and Installation of Composite Aluminium/Stainless Steel Conductor Rail and Associated Equipment on D.C. Electrified Lines	NR/L3/ELP/27250 Issue 7
NR/GN/ELP/27020 Issue 2	Design and Installation of Steel Conductor Rail & Associated Equipment on DC Electrified Lines	NR/L3/ELP/27250 Issue 7
NR/GN/ELP/27022 Issue 2	Design and Installation of Negative Bonding and Associated Equipment on DC Electrified Lines	NR/L3/ELP/27250 Issue 7
NR/L2/ELP/21087 Issue 9	Specification of Maintenance Frequency and Defect Prioritisation of Overhead Line Electrification Equipment	NR/L2/ELP/21087 Issue 10
NR/L3/ELP/25000 Issue 1	Electrical Safety Measures for Working on the Operational Railway with Overhead Electrification (Trial Areas Only)	Withdrawn
NR/L3/ELP/27237 Issue 23	Overhead Line Work Instructions	NR/L3/ELP/27237 Issue 24
NR/L3/ELP/27240 Issue 11	Distribution Work Instructions	NR/L3/ELP/27240 Issue 12
NR/L3/ELP/27250 Issue 6	Conductor Rail Equipment Working Instructions	NR/L3/ELP/27250 Issue 7
NR/L3/ELP/29987 Issue 8	Working on or About 25 kV A.C. Electrified Lines	NR/L3/ELP/29987 Issue 9
NR/SP/ELP/21104 Issue 2	Design and Installation of Electric Track Equipment for DC Electrified Lines	NR/L3/ELP/27250 Issue 7
NR/SP/ELP/27021 Issue 2	Electric Track Equipment Layout Design for DC Electrified Lines	NR/L3/ELP/27250 Issue 7
NR/SP/ELP/27192 Issue 2	Design and Installation of Negative Bonding and Associated Equipment On High Current DC Electrified Lines	NR/L3/ELP/27250 Issue 7
NR/L2/ENV/120 Issue 1	Waste Management	NR/L2/ENV/120 Issue 2
NR/L2/INF/02202 Issue 6	Records Management of Health and Safety Files	NR/L2/INF/02202 Issue 7
NR/GN/INI/0301 Issue 1	Integrated Engineering Lifecycle for Projects Guidance Manual	Withdrawn
NR/L2/MTC/006 Issue 6	Maintenance and Contents of the National Hazard Directory	NR/L2/OHS/006 Issue 7
NR/L2/MTC/II0218 Issue 1	Intelligent Infrastructure Remote Condition Monitoring Process	Withdrawn
NR/L3/MTC/II0219 Issue 3	Intelligent Infrastructure Remote Condition Monitoring Manual	NR/L3/MTC/II0219 Issue 4
NR/L3/MTC/MG0176 Issue 8	Ellipse Work Management Handbook	NR/L3/MTC/MG0176 Issue 9
NR/L3/MTC/RCS0216 Issue 25	Risk Control Manual	NR/L3/MTC/RCS0216 Issue 26
NR/CS/OHS/005 Issue 1	Personal Security	Withdrawn
NR/L2/OHS/00130 Issue 1	Creating a Site of Work Segregated from the Railway	NR/L2/OHS/00130 Issue 2
NR/L2/OHS/019 Issue 11	Safety of People at Work on or Near the Line	NR/L2/OHS/019 Issue 12
NR/L2/OHS/021 Issue 4	Personal Protective Equipment (PPE)	NR/L2/OHS/021 Issue 5
NR/L3/OPS/045 Issue 26	National Operating Procedures Index	NR/L3/OPS/045 Issue 27
NR/L3/SCO/314 Issue 2	Engineering Assurance for T&RS, OTM and OTP Projects	NR/L3/SCO/314 Issue 3
NR/L2/SIG/11774 Issue 4	Clamp Lock Handbook	NR/L2/SIG/11774 Issue 5
NR/L2/SIG/30009 Issue 24	Signalling Principles Handbook	NR/L2/SIG/30009 Issue 25
NR/L2/SIG/30014 Issue 21	Signalling Works Testing Handbook	NR/L2/SIG/30014 Issue 22
NR/L3/SIG/10661 Issue 23	Signalling Maintenance Task Intervals	NR/L3/SIG/10661 Issue 24
NR/L3/SIG/10665 Issue 22	Reliability Centred Maintenance of Signalling Equipment	NR/L3/SIG/10665 Issue 23
NR/L3/SIG/19808 Issue 4	Hy-Drive Supplementary Point Drive System	NR/L3/SIG/19808 Issue 5
NR/L2/TEL/30069 Issue 2	Specification for the Inspection and Minor Maintenance of Lineside S&T Cable Routes	Withdrawn
NR/L3/TEL/30181 Issue 8	Telecoms Maintenance Work Instructions Handbook	NR/L3/TEL/30181 Issue 9
NR/L2/TRK/001 Issue 22	Inspection and Maintenance of Permanent Way	NR/L2/TRK/001 Issue 23
NR/L2/TRK/2102 Issue 11	Design and Construction of Track	NR/L2/TRK/2102 Issue 12

Standards Updates

References	Title	Replaced by/Status
NR/L2/TRK/6100 Issue 5	The Installation and Maintenance of Stretcher Bars	NR/L2/TRK/6100 Issue 6
NR/L3/TRK/003 Issue 42	Index of Track Engineering Forms	NR/L3/TRK/003 Issue 43
NR/L3/TRK/02201 Issue 1	Management of Risks Arising from Deferred Renewals (Track)	Withdrawn
NR/SP/TRK/1110 Issue 1	Qualification & Certification of NDT Personnel Written Practice - Ultrasonic Testing	NR/SP/TRK/1110 Issue 2
NR/L2/XNG/30020 Issue 2	Level Crossings Design Handbook	NR/L2/XNG/30020 Issue 3

Emergency Changes (Previously Known as Letters of Instruction)

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

Reference	Title	Issue	Date
NR/BS/LI/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) Modules 02, 03, 04 Fatigue Risk Management	1	03/02/2023
NR/BS/LI/495	Standard/control document affected: NR/L3/ELP/21067 (Issue 5), Instructions for making out, issuing and cancelling high voltage Permits to Work, Sanctions for Test and Circuit State Certificates WITHDRAWN BY NR/L3/ELP/21067 ISSUE 6. HISTORIC ON 30/06/2023	1	11/11/2022
NR/BS/LI/493	Standard/control document affected: NR/L3/OPS/045/3.32 – Temporary Block Working (TBS) & Emergency Special Working (ESW)	1	20/10/2022
NR/BS/LI/490	Standard/control document affected: NR/L3/ELP/27720 Test Before Touch for Overhead Line Equipment	1	30/09/2022
NR/BS/LI/489	Standard/control document affected: NR/L3/OPS/045 3.17 Weather Arrangements (Issue 03)	1	15/09/2022
NR/BS/LI/488	Standard/control document affected: NR/L2/CTM/014 (Issue 2), Competence & Training in Overhead Line Engineering	1	30/09/2022
NR/BS/LI/487	Standard/control document affected: NR/L3/CTM/306/01 Issue 1, Skills Assessment Scheme: Competence assurance process – HISTORIC ON 17/07/2023	1	18/07/2022
NR/BS/LI/484	Standard/control document affected: NR/L3/ELP/27240 (Issue 11), Distribution Work Instructions – HISTORIC ON 14/02/2023	1	14/02/2022
NR/BS/LI/480	Standard/control document affected: NR/L3/ELP/21067 (Issue 5), Instructions for making out, issuing and cancelling high voltage Permits to Work, Sanctions for Test and Circuit State Certificates – REPLACES NR/BS/LI/456 & NR/BS/LI/461	1	11/11/2021
NR/BS/LI/478	Standard/control document affected: NR/SP/CTM/016 Issue 1, Competency & Training in Fixed Plant Engineering	1	30/07/2021
NR/BS/LI/442	Standard/control document affected: NR/L2/TRK/1054 (Issue 5), Inspection of cast, welded and fabricated crossings in the track	1	25/03/2020
NR/BS/LI/440	Standard/control document affected: NR/L2/TRK/001 (Issue 15), Inspection and Maintenance of Permanent Way	1	25/03/2020
NR/BS/LI/383	Standard affected: NR/L2/CTM/021 (Issue 4). Competence and Training	2	08/12/2016
NR/BS/LI/371	Standard affected: NR/L2/CIV/162 (Issue 2). Platform Extensions. Location of metal structures on Third Rail area Station Platforms	1	02/03/2016
NR/BS/LI/326	Standard affected: NR/L2/OHS/050 (Issue 4), Sentinel Scheme Rules	1	16/04/2014
NR/BS/LI/305	Standards Affected: NR/L2/TRK/001 Issue 6. NR/L2/TRK/2102 Issue 6. NR/L2/TRK/3038 Issue 5. NR/L2/TRK/0032 Issue 5. NR/L2/TRK/0132 Issue 6. NR/L3/TRK/3510/A01 Issue 1. NR/L3/TRK/3510/B01 Issue 1. NR/L3/TRK/1015 Issue 2	2	31/01/2014
NR/BS/LI/292	NR/L3/TRK/1010 (Issue 2). Management of responses to extreme weather conditions at structures, earthworks and other key locations	1	18/07/2013
NR/BS/LI/256	Standard affected: NR/SP/ELP/27243 (Issue 1). Specification for Signalling Power Supplies	2	24/10/2016
NR/BS/LI/163	Standard affected: RT/CE/S/130 (Issue 1). Flash-Welded Rails: Site Welded Strings	2	01/10/2010
NR/BS/LI/154	Use of the Geismar THR542 Lightweight Stressing Equipment In Tandem. Standard affected: NR/L2/TRK/3011 (Issue 6)	1	18/01/2010
NR/BS/LI/106	Electric Points Heating - standard affected NR/L2/ELP/40045 – WITHDRAWN BY NR/L2/ELP/40045 ISSUE 7 – HISTORIC ON 03/06/2023	2	01/09/2011
NR/BS/LI/101	Standard affected: RT/CE/S/077 Storage. Installation & Testing of TSR & ESR AWS	1	08/09/2008
NR/BS/LI/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	05/05/2006
NR/BS/LI/032	Labelling of Track Isolating Switches (T.I.S)	1	17/10/2005
NR/BS/LI/028	Segregation of D.C. Track Feed Cables	1	22/08/2005

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 38.2](#)

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-with-RS525-Sept-2022.xls>

[GERM8000-master-module Iss 12.2](#)

Controlled Document List 03 June 2023

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)	-----	-----
GERM8000 Possession Workers Manual	8.1	12/2022
GERM8000 Track Workers Manual	11.1	12/2022
GERM8000-master-module Master Module Manual	12.2	03/2023
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
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
GOGN3655 Guidance on Medical Fitness for Railway Safety Critical Workers	2	06/2014
GOGN3616 Guidance on Operational Railway Safety Awareness	1	06/2023
RIS-1530-PLT Rail Industry Standard for Technical Requirements for On-Track Plant and their Associated Equipment and Trolleys	6	12/2015
RIS-2750-RST Supplier Assurance	1.1	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
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

LONDON UNDERGROUND (LU) STANDARDS		
Ref. / Title	Issue No	Issue Date
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	128	06/2023
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	1	12/2021
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	7	12/2021
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	11	12/2021
NR/L2/CIV/1000 Competence Management for Buildings and Civils Infrastructure	1	09/2022
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	2	09/2018
NR/L2/CIV/602 Highways Interface Planning Process	1	12/2021
NR/L3/CIV/0001 Management of Road Vehicle Incursions (RVI)	3	12/2022
NR/L3/CIV/006 Structures, Tunnels and Occupational Property Examinations	11	03/2023
NR/L3/CIV/0063 Piling, Drilling, Crane, MEWP and SMPT operations adjacent to the Railway	1	12/2021
NR/L3/CIV/040 Work Instruction for the use of Protective Coating Systems	2	06/2019
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 Management of Reports of Safety Related Geotechnical Incidents	3	09/2020
NR/L3/CIV/190 Developing Extreme Weather Plans	1	12/2017

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
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/L2/ELP/21085 Earthing and Bonding on A.C. Electrified Railways	6	09/2022
NR/L2/ELP/21087 Risk Based Maintenance for Overhead Line Assets	9	06/2020
NR/L2/ELP/21087 Specification of Maintenance Frequency and Defect Prioritisation of Overhead Line Electrification Equipment	10	06/2023
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	1	12/2020
NR/L2/ELP/27172 Conductor Rail Guard Boarding	1	06/2021
NR/L2/ELP/27307 Management of M&EE Safety Related Event Reports	4	12/2017
NR/L2/ELP/27402 Specification for protection and control devices for electrical systems	1	12/2009
NR/L2/ELP/27715 Overhead Contact System Design Specification	3	09/2018
NR/L2/ELP/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/L3/ELP/21067 Instructions for Making out Issuing and Cancelling High Voltage Permits to Work, Sanctions for Test and Circuit State Certificates	6	03/2023
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 Arrangements for Isolation of the Conductor Rail for Pre-Planned Possessions of the Line	4	09/2018
NR/L3/ELP/27140 Application of Short Circuits for Conductor Rail Isolations	4	03/2019
NR/L3/ELP/27171 Electrical Insulating Gloves - Replaces NR/WI/ELP/27171	3	06/2021

Controlled Documents

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L3/ELP/27237 Overhead Line Work Instructions	23	09/2021
NR/L3/ELP/27237 Overhead Line Work Instructions	24	06/2023
NR/L3/ELP/27250 Conductor Rail Equipment Working Instructions	6	03/2023
NR/L3/ELP/27250 Conductor Rail Equipment Design and Maintenance Working Instructions Replaces: <ul style="list-style-type: none"> NR/L3/ELP/27250 Issue 6 NR/SP/ELP/21104 Issue 2 NR/GN/ELP/27019 Issue 2 NR/GN/ELP/27020 Issue 2 NR/SP/ELP/27021 Issue 2 NR/GN/ELP/27022 Issue 2 NR/SP/ELP/27192 Issue 2 	7	06/2023
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	8	09/2022
NR/L3/ELP/29987 Working on or About 25 KV AC Electrified Lines	9	06/2023
NR/L3/ELP/3091 DC Electrified Lines Working Instructions	5	09/2019
NR/L2/ENV/015 Environment and Social Minimum Requirements for Projects – Design and Construction	9	06/2021
NR/L2/ENV/115 Environment and Social Management System Requirements	1	03/2018
NR/L2/ENV/120 Waste Management	1	12/2019
NR/L2/ENV/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	4	08/2008
NR/L3/INV/3001 Reporting and Investigation Manual	7	09/2021
NR/GN/MTC/089 Guidance for the Exchange of Asset Data and the Continuing Maintenance of Assets Undergoing Change	1	09/2020
NR/L2/MTC/089 Arrangements for the Exchange of Asset Data and the Continuing Maintenance of Assets Undergoing Change	2	12/2018
NR/L3/MTC/CP009 COVID-19 Contingency Plan: Safe Working Practices	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	19	03/2023
NR/L3/MTC/RCS0216 Risk Control Manual	25	09/2022
NR/L3/MTC/RCS0216 Risk Control Manual	26	06/2023
NR/L3/MTC/RCS0216/OLE02 Risk Control Manual: Working on Red Bonds/Impedance Bonds	2	03/2012

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/L3/MTC/SE0115 Confined Spaces Working & Entry Procedure	2	06/2008
NR/L3/MTC/SE0117 Planned Assurance Inspections and Site Surveillance	4	09/2018
NR/L3/MTC/SE0220 Planning and Delivering Safe Working at Height	2	09/2020
NR/CS/OHS/002 Policy on Working Safely	1	02/2007
NR/GN/OHS/00155 Short-term Changes in the Creation and Application of Safe Work Packs and Briefing Arrangements COVID-19 Contingency Plan (Guidance for Regions on NR/L2/OHS/019)	1	06/2020
NR/L1/OHS/052 Traumatic Incident Management	1	06/2016
NR/L2/OHS/00110 First Aid at Work	6	09/2017
NR/L2/OHS/00112 Worksafe Procedure	3	09/2020
NR/L2/OHS/00120 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	1	03/2022
NR/L2/OHS/00130 Creating a Site of Work Segregated from the Railway	2	06/2023
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	11	09/2022
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)	4	12/2022
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 Sentinel Scheme Rules	4	03/2011
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/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 in a High Street Environment	3	06/2022
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
NR/L3/OPS/084 Line Clear Arrangements Following Engineering Works in Axle Counter Areas – Line Clear Verification Process	6	12/2021
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	3	12/2021
NR/L2/OTK/5201 Lineside Vegetation Management Manual	5	12/2020

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
NR/GN/RMVP/0200 Infrastructure Plant Manual Guidance	2	06/2022
NR/L2/RMVP/0200 Infrastructure Plant Manual	11	06/2022
NR/L3/RMVP/0201 Calibration Work Instruction Manual Replaces NR/L3/MTC/ME0201 This standard provides the index and version control of Calibration Work Instructions for the internal calibration and comparison checking of Inspection, Measuring and Test Equipment (IMTE).	2	09/2011
NR/L2/RSE/0005 Product Design for Reliability	5	12/2020
NR/L2/RSE/02009 Engineering Management for Projects	8	03/2023
NR/L2/RSE/070 Engineering Verification	3	03/2022
NR/L2/RSE/100 Network Rail Acceptance Panel processes	7	12/2021
NR/L2/RSE/CONM/001 Construction Management for Projects	1	06/2023
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	12	12/2022
NR/L3/SCO/314 Engineering Assurance for T&RS, OTM and OTP Projects	2	06/2022
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/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	17	03/2023
NR/L2/SIG/14201 Signalling Risk Assessment Handbook	5	12/2020
NR/L2/SIG/30009 Signalling Principles Handbook	24	03/2023
NR/L2/SIG/30009 Signalling Principles Handbook	25	06/2023
NR/L2/SIG/30014 Signalling Works Testing Handbook	21	09/2022
NR/L2/SIG/30014 Signalling Works Testing Handbook	22	06/2023
NR/L2/SIG/50035 Competence Standard - Competence and Training in Signal and Level Crossing Engineering	5	12/2022
NR/L2/SIG/50040 Temporary Speed Restrictions replaces NR/L3/SIG/MG0110	1	12/2021
NR/L3/SIG/10064 General Instructions to Staff Working on S&T Equipment	11	06/2022
NR/L3/SIG/10661 Signal Maintenance Task Intervals	23	06/2022
NR/L3/SIG/10661 Signal Maintenance Task Intervals	24	06/2023
NR/L3/SIG/10663 Signal Maintenance Specifications	16	03/2023
NR/L3/SIG/10665 Reliability Centred Maintenance of Signalling Equipment	23	06/2023
NR/L3/SIG/11231 Signal Maintenance Testing Handbook	18	03/2023
NR/L3/SIG/11235 Signal Intermediate Testing Handbook	2	03/2023
NR/L3/SIGELP/50000 Safe working and maintenance on or near Signalling Power Distribution Equipment above 175 volts	4	09/2021
NR/L3/SIGELP/50001 Signalling Power Distribution Equipment above 175 Volts (Work Instructions)	5	09/2021

NETWORK RAIL STANDARDS		
Ref. / Title	Issue No	Issue Date
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	8	03/2023
NR/L3/TEL/30181 Telecoms Maintenance Work Instructions Handbook	9	06/2023
NR/GN/TRK/7001 Index of Track Work Information Sheets (TWI)	18	06/2022
NR/L1/TRK/100 Management of Track Assets	1	03/2020
NR/L2/TRK/001 Inspection and Maintenance of Permanent Way	22	03/2022
NR/L2/TRK/001 Inspection and Maintenance of Permanent Way	23	06/2023
NR/L2/TRK/1054 Inspection and Maintenance Procedures for Crossings in Track	6	09/2022
NR/L2/TRK/3415 Refurbishment of Switches and Crossings	3	03/2023
NR/L2/TRK/4239 Track Bed Investigation, Design and Installation	2	09/2020
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	42	03/2023
NR/L3/TRK/003 Index of Track Engineering Forms	43	06/2023
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 <ul style="list-style-type: none"> NR/L3/TRK/1017 Issue 1 	1	12/2022
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
Investigating Accidents and Incidents – HS(G)245	ISBN 9780717628278
Management of Health and Safety at Work Regulations 1999 Approved Code of Practice and guidance	ISBN 9780717624881
Managing health and safety in construction Construction (Design and Management) Regulations 2015. Guidance on Regulations	ISBN 9780717666263
Successful Health and Safety Management – HS(G)65	ISBN 9780717612765
Sentinel Scheme Rules https://info.railsentinel.co.uk/about/rules/	V4 26 March 2020 Compliance Date 26 March 2020
RTAS Rules QA Reference – National Skills Academy for Rail (nsar.co.uk)	V2.1 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 Substances Hazardous to Health (Amendment) Regulations 2004	2004 No. 3386
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

LEGISLATION	
Ref. / Title	Reference
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 35	Sep 2022	Rule Book Module Issue History	This document contains updates to align with changes to Rule Book module issues (GERT8000).
GERT8000 Issue HB Iss 16	Sep 2022	Rule Book Handbook Issue History	This document contains updates to align with changes to Rule Book Handbook issues (GERT8000).
GERT8000-RBBL Iss 38.2	Feb 2023	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 6	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-HB10 Iss 4.1	Dec 2022	Duties of the COSS or SWL and person in charge when using a hand trolley	You will need this handbook if you are the COSS or SWL and person in charge when using a hand trolley. The Rule Book has been reviewed to remove cases of gender-specific language which can be taken as an assumption that only males are involved. All references to to level crossings as being 'manned' in handbook 10 have been replaced with the term 'manually-controlled'.
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.

Rule Book			
Doc No & Issue	Issue Date	Title	Synopsis
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-HB13 Iss 3	Sep 2022	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-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.
GERT8000-HB18 Iss 4	Sep 2015	Duties of a Level Crossing Attendant	You will need this handbook if you carry out the duties of a level crossing attendant. This document has been updated as part of the December 2015 Rule Book Programme.
GERT8000-HB19 Iss 4.1	Nov 2022	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-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-HB20 Iss 4	Sep 2021	General duties of a safe work leader (SWL) working outside a possession	You will need this handbook if you have the general duties of a safe work leader working outside a possession.
GERT8000-HB21 Iss 5	Sep 2021	Safe work leader (SWL) blocking a line	You will need this handbook if you carry out the duties of a IWA, COSS or PC blocking a line.
GERT8000-HB3 Iss 3	Sep 2014	Duties of the lookout and site warden	This handbook is for those personnel who have duties of the lookout and site warden. Information on changes to this issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 27).
GERT8000-HB4 Iss 2	Sep 2014	Duties of a points operator and route-setting agent - moving and securing points by hand	This handbook is for those personnel who has duties of a points operator and route-setting agent - moving and securing points by hand. Information on changes to this issue can be found in the Rule Book Briefing Leaflet (GERT8000-RBBL Iss 27).
GERT8000-HB5 Iss 2.1	Dec 2022	Handsignalling duties	This handbook is for those personnel who carry out handsignalling duties The Rule Book has been reviewed to remove cases of gender-specific language which can be taken as an assumption that only males are involved. All references to 'pilotman' in handbook 5 have been changed to 'pilot'.
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-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-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-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-OTM Iss 10	Mar 2021	Working of on-track machines (OTM)	You will need this module if you carry out the duties of a driver of an on-track machine, an operator of an on-track machine, or a signaller.
GERT8000-T10 Iss 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.

Controlled Documents

Rule Book			
Doc No & Issue	Issue Date	Title	Synopsis
GERT8000-T3 Iss 11	Sep 2022	Possession of a running line for engineering work	You will need this module if you carry out the duties of a driver or signaller.

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 NRB23-02 – Trackworker near miss](#) March 1, 2023
- [Safety Bulletin NRB23-03 – Reminder of Live Exposed \(RoLE\) Equipment](#) March 7, 2023
- [Safety Bulletin NRB23-04 – Cable breach during rail burning activity](#) April 17, 2023
- [Safety Bulletin NRB23-05 – HW Machine Incident](#) May 24, 2023
- [Safety Bulletin NRB23-06 – Escalator malfunction leads to passenger injuries](#) May 31, 2023

Safety Advice

- [Safety Advice NRA23-01 – Testing and calibration of Live Line Indicators for use on 25 kV OLE](#) February 9, 2023
- [Safety Advice NRA23-04 – Theft of Network Rail vehicle](#) March 1, 2023

Other documents

- [Environment-Bulletin-ENV23-01-Environment-and-sustainability-concerns](#) March 22, 2023
- [Environment Bulletin ENV23-02 – Risk of Prosecution](#) May 25, 2023

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 NRL23 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 case 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
<p>Health and Safety Executive http://www.hse.gov.uk – Website</p>	<p>Government agency responsible for regulating risks to health and safety arising from work. HSE publications can be downloaded free in Adobe PDF format.</p>
<p>CIRAS Online http://www.ciras.org.uk – free access</p>	<p>The Confidential Incident Reporting and Analysis System Freephone number 0800 4 101 101.</p>
<p>Network Rail http://www.networkrail.co.uk – Website</p>	<p>Owner and operator of Britain's railway infrastructure.</p>
<p>Network Rail Standards http://www.ihserc.com/ – subscription required</p> <p>IHS Customer Care For search queries and all other enquiries Phone: 01344 328300 or email customer.support@ihsmarkit.com</p> <p>Network Rail Standards Subscriptions IHS Markit Ltd Phone: 01344 328000</p> <p>Network Rail Standards & Controls Publications Manager Neil Whitaker Phone: 01908 782564</p> <p>Network Rail Standards Hard Copy Document Centre IHS Retail Phone: 01344 328039 Fax: 01344 328005 or email: emeastore@ihsmarkit.com</p> <p>Railway Group Standards Rail Safety & Standards Board Enquiry Desk Phone: 020 3142 5400 Website www.rssb.co.uk</p> <p>Network Rail Technical Drawings National Records Group Email: nrgcivils@networkrail.co.uk</p>	<p>All current Network Rail standards are available via the IHS website.</p> <p>You can access the new portal via the highlighted link but do be careful to claim your 100% discount when checking out!</p> <p><i>New standards portal</i> Last year we held focus groups with our SME suppliers to gain a stronger understanding of how we can make it easier for them to do business with us. Our SME Acton Plan, published in November 2019, responded to these insights with a range of measures to support our SME community. These actions included our commitment to review access to our standards and control documents. These are the requirements for the operation of the rail network and delivery of infrastructure maintenance and enhancements.</p> <p><i>I am pleased to announce that this has resulted in the launch of a new portal which will make our standards freely available to the supply chain. Instructions on how to register can be seen on the portal home page. Please do not hesitate to contact us with your feedback via SupplierCommunications@networkrail.co.uk.</i></p> <p><i>This initiative also supports our Open for Business programme which encourages our suppliers to submit challenges to our standards to reduce complexity and costs.</i></p> <p><i>If you do have any questions as a result of these changes, please contact your local Network Rail representative or email suppliercommunications@networkrail.co.uk</i></p>
<p>Network Rail Safety Central http://safety.networkrail.co.uk – free access</p>	<p>The site is your one-stop shop of safety information, advice, resources and useful contacts, designed to promote consistency and best practice across the whole rail industry. The information is divided under the following sections:</p> <ul style="list-style-type: none"> • Alerts & Campaign Material • Communication & Health • Commitment & Rules • Safety Groups • On Site Solutions • Toolbox

Item	Details
<p>RSSB Close Call System www.closecallsystem.co.uk – Register for access</p>	<p>At the request of Network Rail and its contractors, RSSB has developed a new internet-based system that will allow the industry to centrally record and analyse 'Close Call incidents'. This is known as the Close Call System.</p>
<p>Rail Safety and Standards Board http://www.rssb.co.uk – free access</p>	<p>RSSB builds industry-wide consensus and facilitates the resolution of difficult cross-industry issues. They provide knowledge, analysis, a substantial level of technical expertise, powerful information and risk management tools.</p>
<p>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>

Useful Links

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

Other 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

Shared learning Cable Duct Damage



Cable duct damage at Beaulieu

A BT cable had been temporarily routed through the area of site prior to the Beaulieu Park Station project team taking over the site. The project team had identified the cable, traced its route and marked it on service drawings. The cable was inadequately sunk by BT when they installed it, and was as shallow as 60mm in depth below the surface in places.

During planned de-vegetation works by the project, whilst removing felled trees, contact was made with the BT cable duct causing damage. The duct was either caught by a branch of the tree causing the claw of the machine to make contact or a branch was knocked onto the ground where the cable was located, and snagged the cable duct.



The damaged pipe

Underlying cause

The risk of damaging the cable whilst retrieving the logs and branches had not been identified and briefed to the Specialist Contractor the day before when felling activities were being undertaken. The team had felled the trees, and whilst their Point of Work Risk Assessment had considered damage to the duct and cable from tracking over it (and the team had mitigated risks of striking it during excavation works), there was no consideration that picking up logs and branches could lead to damage.



Depth of service below the pipe

Key Learning

- Hold third parties to account for non compliances found on site
- Clearly mark all potential locations of underground services
- The right interim protection measures should be applied to cables identified on site regardless of the work activity (i.e. use of bog mats)
- Always check that the risk of working in close proximity to services, and mitigations for this, are present and detailed in the methodology regardless of the actual activity.
- Ensure all sub contractors are briefed on all hazards associated with the works they are undertaking
- Toolbox talk on buried services and associated risks briefed to project team following incident

Lessons Learnt Tree Planting



What Happened?

- Biodiversity net gain initiative involving tree planting at Werrington.
- 60% of the trees planted died within 3 months.
- Site is not able to be handed back to the maintainer due to the failed planting attempt, prolonging closeout.

Why Did This Happen?

- A competency for tree planting was not held by the contractor.
- Topsoil was not applied correctly, meaning roots were left exposed.
- A watering regime was not followed, leading to the saplings being underwatered.
- Trees were not planted at the right time of year.

Lessons Learnt

- Whoever is carrying out, or supervising, tree planting must have a competency to do so.
- At design, engage with a specialist contractor to determine the correct species to be planted, the most suitable time of the year to plant and the appropriate maintenance regime.



For tree planting advice click or scan the QR code



Planted saplings at Werrington



Photo showing exposed sapling roots

Equipment Theft



There has been a sharp increase in metal and equipment thefts across our railways. This is driven by low risks of detection, easy access to rail sites and the potential of relatively low sentences if caught and convicted (in Kent's experience). Kent PHK have issued a warning regarding rising theft level in the Doncaster-Scunthorpe region with both South Yorkshire and North Lincolnshire being categorised as "high risk areas". During the weekend of Wk50, Kent PHK and their subcontractor suffered lost production as a result of numerous plant accessories being stolen (including RRV trailer tow bar accessories, lifting chains and attachments)..

What happened?

- Theft recorded at Gunhouse/Gunness RRAP, DOW Lines, 20M21CH
- Equipment was last checked on the 9th March with on site teams active and visible during this time
- Heavy snowfall from 9th-10th March saw day shift works on the 10th called off. No teams would have been active on site.
- Theft was discovered by site team at roughly 23:00 on the 11th and was reported to the BTP and the works plan was updated to reduce planned works
- Several heavy pieces of equipment were taken
- The nature and associated weight of the equipment meant thefts were deemed to be a "low likelihood) so equipment was not removed from the site
- CCTV footage has also been requested.



**BRITISH
TRANSPORT
POLICE**



One of the items stolen during the incident (weighs roughly 300kgs)

What have we learnt?

1. Whilst the overall project location was labelled as "high risk" area, assumptions were wrongly made the weight and nature of the on site equipment meant that the likelihood of theft was low
2. Future works need to therefore consider elevated risk of thefts to even minor equipment (perhaps increase items subject to just in time delivery and review the use of stores and support and logistics teams

Learning Lessons from History

Wickford – 2nd May 2021



Having been involved in similar incidents over the years, it is important that when investigations are completed that actions are taken to prevent recurrence and learning is embedded. When incidents happen elsewhere other than your own projects we encourage you to read, learn and share within your own teams and take action where you can to avoid a similar incident.

Wayne Watson, Head of S&SD Capital Delivery Eastern

Incident Summary

On 2nd May 2021 at 0655 hours, the machine operator, travelling in the basket of a rail mounted MEWP suffered life changing injuries when the basket was struck by the dipper arm of a rail mounted RRV Crane that was travelling behind it on the same line. The MEWP operator was trapped within the basket of the MEWP, sustaining injuries that resulted in their lower right leg being amputated below the knee, the machine controller, who was also in the MEWP basket, sustained minor injuries described as bruising to the legs and lower back pain. Both the operator and machine controller, who were travelling in the cab of the RRV crane, were uninjured.

Immediate and Underlying Causes:

- The accident occurred when the dipper arm of the RRV crane collided with the basket of the MEWP.
- Key site documentation was generic and missed out the specific controls for movement of on track plant across a worksite, such as speed and distances between machines.
- A culture had developed where should a zero-hour contract worker speak up and challenge unsafe working practices they felt they would not be engaged for future work.
- It is evident from the investigation that the Machine/Crane Controllers were taking their direction from the Construction Manager and not the ES, as the rule book states.
- The machines travelled in close convoy throughout the shift and at no time did they allow 100m minimum separation between plant when travelling throughout the worksite
- Inconsistency in the quality of the briefings provided, brought about by the use of generic, excessively worded documents

Reflections:

- **Leadership Oversight**
When the work is planned, do we consider the timescales, and locations of the work in relation to the access points and how far staff have to travel to get to the site of work?
- **Pressure to Deliver**
Are we asking too much in a short space of time, are we allowing sufficient breaks during the shifts? Are facilities available at the point of work? Are we handing back just in time?
- **Control of Contractors**
Does everyone understand who is in control of the site? Who actually controls the machine movements on site and the various roles on site?
- **CIRAS (Confidential Incident Reporting & Analysis Service)** – if anyone feels unable to raise their concerns via the site teams or the contractors close call system they can report issues confidentially via the CIRAS system. CIRAS aim to improve the health, safety and wellbeing of staff and passengers by giving people a way to speak up about their concerns in confidence. [CIRAS - Confidential Reporting for Safety](#)

Information for this learning was taken from the formal investigation. A full RAIB report is also available at [Report 09/2022: Collision between road-rail vehicles near Ramsden Bellhouse - GOV.UK \(www.gov.uk\)](#)



Audience: Siemens Mobility Limited, Rail Infrastructure

GP/004/2023

EHS Good Practice Report

Subject: Biodiversity Net Gain on the East Coast Digital Programme (ECDP)

03 2023

During the last week of February, our Wood Green New Barnet (WGNB) project team funded an environmental enhancement project at Gillespie Park nature reserve. The enhancement involved restoring a reed bed that had dried up due to a clay liner, which prevented water from reaching the surface. The staff at the neighbouring ecology centre have been trying to restore the pond for years but have never had the funds or manpower to do it. However, with their professional know-how on water bodies, we hired contractors ASB who dug out the clay, reprofiled the area and fenced it off to ensure that the area would remain a wildlife haven.

This work delivered a Biodiversity Net Gain (BNG) of 12% on the project, will also support local community wellbeing in an urban area, and also with the ecology centre and nearby roads previously prone to flooding, the reprofiled area will redirect stormwater run-off into the pond, helping to reduce flooding and increase climate resilience. This project on its own has contributed to 3 of 5 East Coast Digital Programme (ECDP) Environmental & Social Strategic Objectives: Climate Responsible, Environmental Integrity, and Supporting Communities.

Combining the biodiversity figures on all ECDP projects, we will have delivered 43% BNG (Northern City Line = 31% and WGNB = 12%), which averages at ~20% per project. We set ourselves the ambitious target of 20% BNG for every project to match the flagship that is the East Coast Digital Programme. So far we are meeting that aim... now onto Welwyn to Hitchin to keep this going!

#deliverthanks – thank you to all involved and especially to David Perrin who made this happen
#hearothers – we listened to the needs of the community and provided some real social benefits



Discussion Points

1. Is there an opportunity to add biodiversity to your project? Have you told someone about your ideas?
2. Have you considered long-term management of habitats to ensure improvement biodiversity (BNG)?
3. Are you aware of your project's impacts on biodiversity? Why not ask?

East Coast Digital Programme (ECDP)
Wood Green New Barnet

Delivery Director – Ben Lane
Project Manager – David Perrin
Author – Kayleigh Pomfret

Add contact information
i.e. for more information about this report please contact kayleigh.pomfret@siemens.com



Learning from History: Potters Bar 10th May 2002



“The tragic accident at Potters Bar, 21 years ago today, remains very prevalent in my own mind as I was working for Jarvis Rail at the time of the incident. I recall attending site in the days after the incident, and my task was to relocate an existing signal so that recovery operations could be progressed by the emergency services at the scene”. *Rob Cairns – Capital Delivery Director Eastern*

Incident summary

The train was travelling towards Kings Lynn from Kings Cross, and had passed over a set of points about 100 yards south of Potters Bar station, some 15 minutes into its journey on the 10th of May 2002. The metal bar which serves to maintain the gauge on the moveable part of the points had become loose, and the points were no longer able to maintain the rails at the correct width causing the train wheels to fall from the rail whilst the train was still travelling at speeds of 110mph. The train came to a very sudden halt and crashed into the station, the impact of which caused the vehicle to become wedged under the station roof. A total of 7 fatalities were recorded with a further 76 passengers sustaining injuries.

Immediate and underlying causes

- The locking nuts in the stretcher bar were either loose or removed altogether meaning this track section was not stable. This was following maintenance to replace the small rubber insulator which sits behind the nut. Over time, these insulators can deteriorate and cause the track circuit to fail.
- The signalling system was displaying a green aspect to the approaching driver (despite being loose) with the rails being correctly positioned for this. This meant the track was no longer able to cope with the passage of a train as the nuts were no longer attached to the stretcher bar.

Aftermath / Learning from the incident

- Jarvis Rail were unable to adequately demonstrate that they had complied with the safety standards for maintaining the points.
- The Ladbrooke Grove and Hatfield accidents a couple of years earlier had seen national fitment of train protection warning system upgrades as well as national re-railing to reduce gauge corner cracking.
- Stretcher bar design has evolved to include more resilient fastenings with no equivalent failure mode.

Key points applicable today

- It is critical that activities associated with set up and maintenance of switches and crossings are completed in accordance with compliance protocols.
- In situations where there are competing management demands, assurance and governance are very important in ensuring that correct risk based decisions are taken and backed up with recorded evidence.
- As Network Rail places safety critical activities with the supply chain it is important that all parties are clear on their accountabilities and responsibilities for fulfilling these duties and that competences are assessed and documented.



Theme: Effective Communication

The April 2022 Northern SHELT Summit was hosted by Network Rail in Crewe.

In attendance were Network Rail (Capital Delivery Eastern and Capital Delivery North, West and Central) and Supply Chain representatives from across the industry.

Our second SHELT Summit of 2023 was held on Tuesday 25th April 2023 at Crewe Alexandra Stadium which was hosted by [Network Rail](#). There was good attendance and it was great to have representation from the Principal Contractors and Principal Designers. We also had a broad range of guest speakers (LinkedIn profiles hyperlinked):

[Lara Young](#) | How do we create a sense of urgency around the Sustainability agenda?
[Raj Sinha](#) | How do we improve communication and information for frontline staff?
[Emma Porter](#) | How can we use technology to support our communication on site?
[Lewis Johnson](#) | How do we embed CDM Simplification?
[Paula Collins](#) | Sustainability & Communication
[Stuart Webster-Spriggs](#) | Update from the ISLG

We'd also like to thank [Nicola Uijen](#), [Wayne Watson](#), [Matthew Kent](#), [Andy Belcham](#), [Ian Purdham](#) for providing updates around safety achievements, working groups and the HSE Collaboration Group.

There were good discussions following the presentations which all aligned with our theme; communication.

[Nicola Uijen](#), Head of HSE for Capital Delivery NW&C, commented on the day "Thanks for organising a great event that finally addressed the balance of Safety, Health and Sustainability with a real focus on business risk. A great opening speaker that managed to disrupt thinking and explore how we approach our challenges differently. It was great to get some diversity of thought in the room with speakers from other industries and those from businesses which are not Principal Contractors or Principal Designers."



Can you contribute to a Working Group?

If you, or any members of your team, can contribute to the following SHELT Working Groups, please get in contact with Nicola Uijen, Wayne Watson or Tom Milner:

- Safety Critical Communications
- How We Communication?
- What We Communicate?



The CDM Simplification Group has removed 342 pages from CPPs, WPPs and Task Briefs that included information that was deemed irrelevant, contradictory or confusing. These templates are now considered as best practice.



SHELT AWARDS:

Now Live! Please head to the nomination form below for further information. This is a chance to showcase your HSE achievements.

[SHELT Awards nomination form 2023](#)

Nominations close on **Friday 26th May 2023 at 20:00.**

Award Ceremony will be presented at our next SHELT Summit (6 July)

To find out more, please contact your Head of Safety and Sustainability or visit Network Rail Safety Central.

Next NW&C and Eastern SHELT Summit – 6 July 2023 – Derby

Acknowledging a Train Warning



Overview

On Tuesday 25th April a SPL / VMS team working in East Midlands experienced an event where a train driver stopped a freight train because he believed that the **Controller of Site Safety (CoSS)** did not respond to his horn in a timely manner.

The train driver exited his cab and took issue with one of the SPL colleagues at the trackside. The works were being undertaken approximately 7-8 metres from troughing at the bottom of an embankment. The CoSS however thought it was appropriate to site on the troughing at the top of the embankment which was 2.3 metres from the running line.

The **Mobile Operations Manager** attended site and reviewed the **Safe Work Pack, Safe System of Work** that was in place and allowed the team to continue working.

In accordance with **GERT8000-HB1 General Duties of a Track Safety for Track Workers**, Section 4.4 states “When a train approaches, you must immediately move to a position of safety or, if you are already in a position of safety stay there”.

Considerations:

- Consider your positioning as a CoSS, do you need to be sitting on the troughing route when you are working more than 6 metres from the track?
- A train drivers’ perception of viewing the line ahead is completely different to that of a trackworker and people may appear to be closer that they actually are. Unfortunately, near misses still occur but it is rare a train actually stops as a result. So, a significant lesson to learn.
- If a train driver sounds the warning horn, raise one arm clearly above your head to show you have heard and acknowledge the warning.
- Stay in a position of safety until the train has passed.

Compliance:

- GERT8000-HB1 General duties and track safety for track workers
- GERT8000- HB7- General Duties of a controller of site safety



Position of CoSS when the train went past



Where the de-veg team were working at the bottom of the embankment (approx. 11m from running line)

Learning from History: Bradford City Fire 11th May 1985



“The tragic fire at Valley Parade Bradford provides a defining reference point in forcing changes to UK fire safety legislation. The underlying causes and learning from the incident remain relevant to railway station and buildings projects today”. *Steve Collishaw, Principal Engineer (Fire Safety), Eastern Region*

Incident Summary and Immediate Cause

After Hillsborough, the Bradford City stadium fire is the second worst sporting tragedy in England, leaving 56 dead and at least 265 injured. The fire started 5 minutes before half time, caused by a fan who went to put his cigarette out but dropped it between the floorboards in the wooden stand onto a pile of rubbish that had built up below. In less than four minutes the entire wooden stand was engulfed in smoke and fire.

Underlying Causes

- The club had been warned that the accumulation of rubbish beneath the stands was a fire risk and needed addressing.
- The wooden stand had already been condemned and was due to be demolished 2 days after the tragedy.
- Whilst there was no perimeter fencing between stand and pitch, the turnstiles that could have provided rear egress from the stand were locked, preventing escape to the street.

Changes Following the Incident

Findings from the subsequent inquiry led to:

- The banning of new wooden grandstands at all sports venues in the UK.
- All existing grandstands deemed a fire risk being faced with immediate closure.
- Cigarette smoking being banned at all grounds with wooden stands.

Key Points Today - Design

- Modern standards require use of fire retardant materials during construction. Where heritage considerations specify use of timber in construction then additional measures must be put in place to mitigate fire risk.
- Safe emergency access / egress arrangements at peak times are risk assessed as part of fire strategy documentation before we enter new buildings / station infrastructure into service.
- Opportunities for refuse build up in inaccessible areas are eliminated at design stage.

Key Points Today - Assurance

- Fire safety findings identified via independent assurance before the tragedy were ignored by Bradford City and not sufficiently monitored by the enforcing authority. This reminds us of the importance of actioning and tracking assurance actions through to closure.

Information for this article was found at: www.fbu.org.uk/history/bradford-city-fc-stadium-fire

International Day for Biological Diversity 22nd May 2023



What is Biological Diversity?

It is the wide variety of plants, animals and microorganisms found across Earth. Genetic differences across species and ecosystems are also taken into account.

- The number of species on Earth is estimated to be between 2 million – 1 trillion, 80 % of which have not yet been described.
- Climate change and a growing demand for resources has put severe stress on biodiversity and natural ecosystems meaning every year hundreds of species go extinct.



Wildflower meadow, Cornwall

Important statistics:

1. Natural ecosystems have declined by an average of 47 % .
2. According to the IUCN Red List of Threatened Species, more than 41,000 animals threatened with extinction worldwide. 9 % of all domesticated breed of mammals used for food and agriculture were extinct by 2016 with at least a further 1,000 under threat.
3. In the last 30 years roughly 420 million hectares of forest has been lost as a result of human activity.
4. The average abundance of native species in most major land based habitats has fallen by at least 20 % .
5. Marine pollution has increased tenfold since 1980 which is affecting a total of 267 species.



Scan/click on the above for more details

What is the International Day for Biological Diversity about?

Ever since its creation by the Second Committee of the UN General Assembly in 1993, this day aims to increase global awareness and educate others around this issue. This years celebrations tie in with the adoption of the Kunming Natural Global Biodiversity Framework as a result of COP15 and the theme is ***“From agreement to action: build back biodiversity”***.

Why is this important to me?

- As Network Rail is responsible for land in a variety of designated habitat types including SSSI's (Sites of Special Scientific Interest) it is important that the company acknowledges the important role that biodiversity has and takes protective measures.



Common Safe Method Risk Evaluation & Assessment



What is a Common Safe Method Risk Evaluation & Assessment (CSM-RA)?

- It is the process used by Network Rail to demonstrate how system safety has been considered, effectively managed and closed prior to commissioning of a project.
- It is applicable for **all** Network Rail projects.
- The standard NR/L2/RSE/100/02, Application of the Common Safety Method for Risk Evaluation and Assessment, describes Network Rails approach to following CSM-RA to achieve compliance and authorisation.
- It was originally enforceable by EU Law, but has now transferred into UK Law post leaving the EU.

What are the key roles?

The **Sponsor** is accountable for the CSM-RA process, with key responsibilities also defined. The **Project Manager** responsible for the production of the Hazard Record, with support from the **Designated Project Engineer (DEP)**.

What is a System Definition?

The **Sponsor** must produce a **preliminary System Definition** for a each project which describes the change to the infrastructure and the likely impact to stakeholders. It is used to inform if the project is classed as 'significant'.

What is a significance test?

A 'significance test' is used to summarise the project and propose significance or not. This is reviewed by Eastern System Review Panel (SRP) before submission to Network Rail Approval Panel (NRAP).

When does CSM-RA apply?

Whether a project is determined to be significant or not, **all** Network Rail projects are **mandated** to follow the CSM-RA process. The key difference is the requirement for independence assessment. For a **significant** project, independent assessment is required from an Authorising Body, such as NCB. For a **non-significant** project, the project is self assured.

Significant test considerations?

Factors with determine the significance of a project are;

- Additionality** – other changes which may introduce risk?
- Novelty** – is the change unique?
- Complexity** – is the change complex?
- Failure consequence** –worse case impact should the change fail?
- Monitoring** – can the change be tracked?
- Reversibility** – can the change be returned to the previous state?

Who to contact for further information or support?

Andrew Teasdale (07515 628918), Programme Systems Engineer.
 Phill Heward (07736 869953), Senior Programme Engineering Manager.
 Laura Bolton (07825376852), Technical Head of System Safety.

Other Safety Information



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

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