

Standards Challenge Applications (June 2025)

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
STDCHAL-000001	07/12/2017	NR/L3/CIV/040. NR/L3/CIV/030 NR/L3/CIV003 - F1990	Buildings & Civils	Modular Steel Platforms	Clarification concerning the current prescribed design life of platforms and minimum steel galvanising levels.	Accepted
STDCHAL-000002	13/11/2017	O.E.E 156	Electrical	OLE Mast Design	Potential for simplification of fabricated overhead line masts.	Accepted
STDCHAL-000003	10/04/2018	NR/L2/OHS/044	Quality, Health, Safety & Environment	Planning & Managing Construction Work	Potential for contractor's Construction Phase Plans to be referenced to the Network Rail template sections.	Not Proceed
STDCHAL-000004	17/04/2018	NR/L3/TRK/2049/MOD07	Track	Track Design Handbook Module 07 Gauging	Several sections of the Track Design Handbook reference requirements for other disciplines. Potential for simplification.	Not Proceed
STDCHAL-000005	17/04/2018	NR/L3/TRK/2049MOD05	Track	Track Design Handbook System Interfaces - Electrical Clearances		Not Proceed
STDCHAL-000006	12/04/2018	NR/L3/TRK/2049MOD05	Track	Track Design Handbook System Interfaces - Conductor Rail		Not Proceed
STDCHAL-000007	12/04/2018	NR/L3/TRK/2049MOD05	Track	Track Design Handbook System Interfaces - Platforms		Not Proceed
STDCHAL-000008	12/04/2018	NR/L3/TRK/2049MOD05	Track	Track Design Handbook System Interfaces - Level Crossings		Not Proceed
STDCHAL-000009	13/04/2018	NR/SP/OHS/069 Non-Compliance – Tracker No 3115 NR/CIV/SD/370	Buildings & Civils	Lineside Access Steps	Design requirements for lineside access steps.	Accepted
STDCHAL-000010	13/04/2018	NR/L2/RSE/100/Guide	Network Rail Assurance Panel	NR/L2/RSE/100/Guide	Request for document to be withdrawn as it is out of date.	Standard withdrawn as a result of this challenge application
STDCHAL-000011	17/04/2018	NR/L3/INI/P3M/126/01	Projects	Requirements Framework	Clarification concerning who is accountable for the RRD.	Standard withdrawn as a result of this challenge application
STDCHAL-000012	16/04/2018	GE/RT8000/HB16, NR/SP/OHS/069	Electrical	RT3170, ORR Electrical Clearances Policy Statement – Oct 2016, NR (HS) Asset Protection Development Handbook, GL/RT1210, BS EN 50122-1: 2011	Providing improved clarity in relation to electrical clearance distances.	Not Proceed
STDCHAL-000013	13/04/2018	NR/SP/OHS/069	Quality, Health, Safety & Environment	Positions of Safety	Providing improved clarity in relation to positions of safety.	Accepted
STDCHAL-000014	20/04/2018	NR/L3/TRK/2049	Track	Depot Track Standards	TREAT AS CONFIDENTIAL	Accepted
STDCHAL-000015	08/06/2018	NR/L2/ELP/27325	Electrical	Train borne monitoring of traction power contact systems.	Clarification in relation to a number of requirements in relation to train borne monitoring of traction power contact systems.	Accepted
STDCHAL-000016	19/06/2018	NR/L2/TRK/0133	Track	Wheel Impact Load Detection	Controls applied to trains following measurement of forces at Wheel Impact Load Detection (WILD) sites.	In Progress
STDCHAL-000017	22/06/2018	NR/L3/ENV/305 NAT/TW/InfraInv/ENG/EP6248683	Quality, Health, Safety & Environment	DNO test points	Providing test points for DNO supply cubicles.	Accepted
STDCHAL-000018	26/06/2018	NAT/REP/MPJ/ENG/EP3736860	Electrical	Points Heating Equipment	Using lower power points heating strips nearer the switch toe.	Not Proceed
STDCHAL-000019	04/07/2018	NR/L3/TRK/0030	Track	Line Speed following drainage works	Proposal for a more cost-effective regime for track stabilisation following installation of drainage.	Applicant advised to progress as variation application.
STDCHAL-000020	04/07/2018	Various	Track	Track Affected Zone	Proposal to change the influence angle for the track affected zone.	Not Proceed
STDCHAL-000021	05/07/2018	NR/L3/TRK/2049	Track	Buffer Locking	Update to calculations to include vehicles without buffers, autocoupler limits and lateral movement of through-corridor trains.	Accepted
STDCHAL-000022	06/07/2018	NR/L2/CIV/177	Buildings & Civils	Monitoring track during building works	Improving clarity of requirements for monitoring of track in various situations.	Accepted
STDCHAL-000023	11/07/2018	NR/TRK/6100/Mod3	Track	Stretcher Bar settings	Improving clarity of installation and maintenance instructions for new stretcher bars at switches and crossings.	Accepted
STDCHAL-000024	13/07/2018	NR/L2/SIGELP/27418	Signalling Electrical Power	Earth electrode/mat connections	Clarification of requirements for connecting earth electrode/mats.	Applicant advised to progress as variation application.
STDCHAL-000025	26/07/2018	NR/L3/CIV/020	Buildings & Civils	Bridge Strengthening	Minimum train live loading values applied to bridge strengthening schemes.	Applicant advised to progress as variation application.
STDCHAL-000026	07/08/2018	NR/L2/RSE/0005	Network Rail Assurance Panel	Non-application of Design for Reliability standard to signalling fibre interface	Potential for non-application of requirements for certain commercial off-the-shelf components	Accepted
STDCHAL-000027	09/08/2018	NR/2/INI/02009/01	Projects	Clarity around Authority to Work roles.	Clarification concerning authority of certain roles.	Not Proceed
STDCHAL-000028	06/09/2018	NR/L2/ELP/27311	Electrical	Engineering Assurance Requirements	NR/L2/INI/CP0069 listed in the references but document has been withdrawn. Change PRS to RRD/DRRD.	Accepted
STDCHAL-000029	09/10/2018	NR/L2/CIV/072	Buildings & Civils	Wind Loading on OLE structures	Alignment of wind loading equations to BS EN 50119.	Accepted
STDCHAL-000030	09/10/2018	NAT/REP/MPJ/ENG/EP3736860	Electrical	Points Heating Equipment	Proposed changes to the arrangement drawings for electric points heating equipment.	Accepted
STDCHAL-000031	31/10/2018	NR/L2/ELP/40045 NR standard drawing NR/EP/SD/439	Electrical	Points Heating Equipment	Transformer terminal arrangements for supplying point strip heaters.	Accepted
STDCHAL-000032	12/11/2018	RIS-7016-INS	Buildings & Civils	Platform Crossfall	Ability to construct platforms that achieve the specified crossfall gradient limits.	Not Proceed
STDCHAL-000033	21/01/2019	NR/L3/INI/P3M/131/02	Projects	Document Revision Strategy	Difference between the revision strategy specified in the standard and the way ProjectWise is configured.	Accepted
STDCHAL-000034	30/01/2019	NR/PS/ELP/00008 NR/SP/ELP/21014	Electrical	Cable Testing Voltages	Clarification regarding specified testing voltages for single core cable used on 25 kV a.c. systems.	Accepted
STDCHAL-000035	15/02/2019	NR/L3/SIG/10064	Signalling	Document Format	Readability of text in subject index.	Accepted
STDCHAL-000036	21/02/2019	NR/L2/CIV/044	Buildings & Civils	Boreholes	Use of a single borehole to confirm ground conditions for under-track crossing (UTX).	Applicant advised to progress as variation application.
STDCHAL-000037	21/02/2019	NR/L2/CTM/025 Network Rail Training Toolkit Machine Operator – Highway Permissible Vehicle	Plant	Driving Licence requirements	The standard does not relate to the requirements in the training toolbox Delegates section 6.	Not Proceed
STDCHAL-000038	29/03/2019	NR/L2/CIV/005	Buildings & Civils	Operational Property Drainage	Standard currently does not include operational property drainage systems.	Not Proceed
STDCHAL-000039	01/04/2019	NR/L2/CIV/044	Buildings & Civils	Undertrack Crossings	Minimum depths could use a risk-based approach and rational could be provided as to the reason for the requirement for minimum depths.	Accepted
STDCHAL-000040	01/04/2019	NR/L2/CIV/177	Buildings & Civils	Monitoring track during building works	Duration of monitoring baseline and adopting a risk-based approach.	Accepted
STDCHAL-000041	02/04/2019	NR/L3/CIV/030	Buildings & Architecture	Platform Copings	Safe manual handling / lifting of coping stones, and loading requirements.	Accepted
STDCHAL-000042	16/04/2019	NR/L2/OHS/0044	Quality, Health, Safety & Environment	Task Briefing Sheets	Format of Task Briefing Sheet.	Not Proceed
STDCHAL-000043	25/04/2019	NR-L2-TRK-2102 Issue 8 NR-L2-TRK-4239 Issue 1	Track	Handback linespeed following track replacement	Handing back the track at line speed following infrastructure works to replace the track.	Not Proceed
STDCHAL-000044	25/04/2019	NR/GN/CIV/025	Buildings & Civils	Bridge Filler Beams	Allowance for longitudinal shear resistance offered by metal components protruding into concrete.	Accepted
STDCHAL-000045	25/04/2019	NR/SP/ELP/21041	Electrical	Battery Specification Requirements	Alternative approach to performance calculation of battery life with photovoltaic system.	Not Proceed
STDCHAL-000046	25/04/2019	NR/L2/CIV/044	Buildings & Civils	Undertrack Crossings	Proposed performance specification instead of minimum depth of cover.	Not Proceed
STDCHAL-000047	25/04/2019	NR/L2/ELP/40068	Electrical	Alternative Back-up Power Supplies	Include Uninterruptible Power Supplies (UPS) & Battery back-up supplies to signalling Principal Supply Points and Relocatable Equipment Buildings.	Not Proceed
STDCHAL-000048	25/04/2019	NR/CS/CIV/044	Buildings & Civils	Functionality in Design	Integrated design approach using Functionality in Design.	Accepted
STDCHAL-000049	25/04/2019	NR/L3/CIV/071	Geotechnical	Design Methodology of Geotechnical Structures	Alternative design and calculation methods for geotechnical structures.	Accepted
STDCHAL-000050	10/04/2019	NR/CIV/SD/3020 – 34	Buildings & Civils	Recess beneath Platform Edge	Standard design dimensions do provide a TSI compliant recess.	Accepted
STDCHAL-000051	29/04/2019	NR/L3/SIGELP/50002	Signalling Electrical Power	Working on or near Signalling Power Distribution equipment	Type of equipment covered by the 'test before touch' procedure.	Not Proceed
STDCHAL-000052	29/04/2019	NAT/REP/MPJ/ENG/EP3736860	Electrical	Points Heating Equipment	Securing of Point Heating Strips	Accepted
STDCHAL-000053	22/05/2019	NR/L3/CIV/020 Issue 1 NR/CIV/TUM/400 Rev E	Buildings & Civils	Requirements for Footbridges	Inconsistencies between NR/L3/CIV/020, the standard footbridge design described in NR/CIV/TUM/400 and associated drawings, and DfT standard 'Design Standards for Accessible Railway Stations'.	Accepted
STDCHAL-000054	03/06/2019	NR/L3/CIV/140/150C	Buildings & Civils	Requirements for Clay Bricks	BS 3921 has been withdrawn hence brick is no longer certified to this standard	Accepted
STDCHAL-000055	04/06/2019	NR -GN-CIV-163	Buildings & Civils	Water Supply (Water Fittings) Regulations	Duties required by the Water Supply (Water Fittings) Regulations 1999.	Not Proceed
STDCHAL-000056	04/06/2019	NR/L2/TRK/2500	Track	Engineering Assurance Requirements	Engineering Assurance Arrangements for Track Engineering Projects outputs	Accepted
STDCHAL-000057	07/06/2019	NR/L2/ELP/21131	Electrical	Warning sign dimensions for substations	Warning sign dimensions for substations	Accepted
STDCHAL-000058	11/06/2019	NR/SP/ELP/21051 NR/GN/ELP/27006	Electrical	DC circuit breaker protection settings	Improved guidance for calculation of protection settings for DC circuit breakers	Not Proceed
STDCHAL-000059	13/05/2019	NR/L2/INF/02202	Information Management	H&S File Memorandum of Agreement and Deliverable Document Matrix	Combine two forms into one.	Accepted
STDCHAL-000060	13/05/2019	NR/L2/INI/02009	Projects	CRE Competence Requirements	CRE competence requirements for off-site fabrication / quality assurance.	Not Proceed
STDCHAL-000061	13/05/2019	NR/L3/CIV/151/F010	Buildings & Civils	Requirements for doweling platform coping stones	Clarity on the requirements for doweling coping stones and provision of method for protecting worker from falls from height / moving trains whist working on platforms.	Accepted

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STDCHAL-000062	01/05/2019	NR/L3/INI/CP0063 NR/L2/CIV/003	Buildings & Civils	Design check categories for platform piling	Clarification on category of design checks for platform piling.	Accepted
STDCHAL-000063	17/06/2019	NR/L3/CIV/140/52C NR/CIV/SD/280	Buildings & Civils	Use of centralisers when soil nailing	Proposal to not use centralisers when using self-drilling soil nails.	Not Proceed
STDCHAL-000064	15/07/2019	NR/L2/ELP/27715	Electrical	Track construction tolerances	Track construction tolerances to provide electrical clearances.	Accepted
STDCHAL-000065	05/07/2019	NR/SP/ELP/27224	Electrical	Installation of cable routes	Specification for installation of cable routes forming part of the traction distribution system	Accepted
STDCHAL-000066	22/08/2019	NR/L2/TRK/2102	Track	Minimum Rail Length (IBJ)	Minimum rail lengths for insulated block joints	Accepted
STDCHAL-000067	22/08/2019	NR/L2/OPS/033	Operations	Recording Spoken Safety Critical Communication	Recording Spoken Safety Critical Communications between Possession Management and Engineering Trains/On-Track Plant Drivers when Working in Possessions and Worksites	Not Proceed
STDCHAL-000068	27/08/2019	NR/L2/TRK/001/mod14	Track	Stress Free Temperature Values	Stress Free Temperature Value Hierarchy following Project Works	Accepted
STDCHAL-000069	09/09/2019	NR-L3-TRK-003 TEF3069	Track	TEF3069 Pesticide Application Record	Change to title TEF form to include the word herbicide instead of or alongside pesticide	Not Proceed
STDCHAL-000070	12/09/2019	NR/L3/TRK/003	Track	Index of Track Engineering Forms (TEFs)	Index needs to be updated to accurately reflect the current issues of TEFs	Accepted
STDCHAL-000071	12/09/2019	NR/L2/TRK/001/MOD14	Track	Stress Free Temperature Values	Review the current Stress Free Temperature values to manage risks associated with disturbance/works in adjacent to track and in the shoulder area only.	Accepted
STDCHAL-000072	26/09/2019	NR/L2/TRK/2102	Track	Ballast Ramps	Alternative arrangements to installing ballast ramps	Not Proceed
STDCHAL-000073	25/09/2019	N2/L2/CIV/003/F002	Buildings & Civils	Approval in Principle	Include requirement for designer to confirm design complies with the Approval In Principle document	Accepted
STDCHAL-000074	24/09/2019	NR/L2/CIV/072	Buildings & Civils	Wind Loading of OLE and Structures	Correction to cross-reference	Accepted
STDCHAL-000075	07/10/2019	NR/SP/ELP/27242	Electrical	Cable Protection	Clarification on the level of mechanical protection required to be provided to Class II distribution cables.	Not Proceed
STDCHAL-000076	11/10/2019	NR/L2/TRK/2102	Track	Minimum rail length	Minimum rail length required for permanent situation	Accepted
STDCHAL-000077	14/10/2019	NR/L2/CIV/005	Buildings & Civils	Drainage plans	Risk-based approach to runoff from common surfaces found within the Network Rail estate	Not Proceed
STDCHAL-000078	15/10/2019	NR/GN/CIV/002 NR/L3/CIV/040 NR/L3/CIV/039	Buildings & Civils	Use of fluoropolymer paint technology	To facilitate the use of fluoropolymer paint technology thereby enabling paint systems with design lives of up to sixty years	Accepted
STDCHAL-000079	23/10/2019	NR/L3/CIV/151/F010	Buildings & Civils	Standard designs for DNO supply points and ballast boards	Provision of standard designs for DNO supply points and ballast boards	Accepted
STDCHAL-000080	04/11/2019	NR/CIV/SD/201	Buildings & Civils	Gabion fill material	Amend gabion fill material specification and gabion basket mesh size to allow track ballast to be used as gabion fill material	Accepted
STDCHAL-000081	04/11/2019	NR/L2/INI/02009/02	Projects	Competence quads for key resources	Create a central database of approved CEM and CRE resources	Not Proceed
STDCHAL-000082	04/11/2019	NR/L3/CIV/020	Buildings & Civils	Design criteria for replacement of structural parts and elements	Alternate design criteria to replacement of structural parts and elements	Accepted
STDCHAL-000083	08/11/2019	NR-L2-TRK-9020	Track	Structural Expansion Joints	Correction to figure showing which rails are free and fixed	Accepted
STDCHAL-000084	12/11/2019	NR/L3/CIV/140/172C	Buildings & Civils	Bolt Protective Coating	Requirement for protective coating required for cast in holding down bolts.	Accepted
STDCHAL-000085	20/11/2019	NR/L3/MTC/089	Maintenance	Asset Management Plan optimisation	Optimisation of the Asset Management Plan (AMP) enabling projects to be delivered more efficiently	Accepted
STDCHAL-000086	20/11/2019	NR/L2/CIV/003	Buildings & Civils	Form 2/3 Completion	Requirement to complete Form 2/3 for certain category works	Not Proceed
STDCHAL-000087	11/11/2019	NR/L2/RSE/100/05	Network Rail Assurance Panel	Product Acceptance requirements	Suggested changes to Product Acceptance requirements	Accepted
STDCHAL-000088	27/11/2019	NR/SP/ELP/21085	Electrical	Touch Voltages	Alignment of permissible touch voltages with 2017 version of BS EN 50122-1	Accepted
STDCHAL-000089	02/12/2019	NR/L2/CIV/072 NR/L2/CIV/073	Buildings & Civils	Design of OLE structures	Loading criteria for new OLE structures	Not Proceed
STDCHAL-000090	02/12/2019	NR/L3/CIV/039	Buildings & Civils	Life of coatings	Life of coatings on surfaces prepared to St3 manually or by power tools	Accepted
STDCHAL-000091	19/12/2019	NR/L2/TRK/3100	Track	Accuracy of track survey system	Accuracy of RILA track survey measurement method	Accepted
STDCHAL-000092	17/01/2020	NR/SP/OHS/069	Quality, Health, Safety & Environment	Access Paths and Cess Walkways	Construction requirements for walkways and also clarity around requirements for provision.	Accepted
STDCHAL-000093	17/01/2020	NR/L3/CIV/030	Buildings & Architecture	Platform Coping Stone Dimensions	Dimensions of coper stones for platforms.	Accepted
STDCHAL-000094	21/01/2020	NR/PS/ELP/00008	Electrical	Cable Specifications	Some of the specified British Standards are no longer applicable or valid.	Accepted
STDCHAL-000095	05/02/2020	NR/SP/ELP/21032	Electrical	d.c. earthing arrangements	Requirements for earthing arrangements.	Accepted
STDCHAL-000096	10/02/2020	NR/L2/TRK/3203	Track	Platform Gauge Recording	Measurement equipment and methods for platform gauge recording.	Accepted
STDCHAL-000097	17/02/2020	NR/L3/ELP/27250	Electrical	Conductor Rail Drawings	Further information needed for requirements relating to conductor rail provision.	Accepted
STDCHAL-000098	19/02/2020	NR/L3/CIV/040	Buildings & Civils	Requirements for galvanising	Thickness of galvanising.	Not Proceed
STDCHAL-000099	21/02/2020	NR/L3/CIV/140 NR/L3/CIV/039 NR/L3/CIV/040 NR-GN-CIV-002	Buildings & Civils	Protective Coating Requirements	Recommended review of documents to reduce complexity and cost for protective coating works.	Accepted
STDCHAL-000100	25/02/2020	NR/L2/ELP/27212 NR/L2/ELP/21088/02	Electrical	OLE Stagger Reduction Values	Clarification of requirements for MK1 OLE equipment stagger reduction.	Accepted
STDCHAL-000101	06/03/2020	NR/L2/TRK/0032	Track	Rail Grinding for Welding	Rail grinding requirements for joining rails by aluminothermic welding	Not Proceed
STDCHAL-000102	14/03/2020	NR/L2/RMVP/0200/P508	Plant	Personal Voltage Detectors	Mandating the use of personnel voltage detectors when working in OLE areas in MEWPs to prevent inadvertent contact with live electrical conductors	Not Proceed
STDCHAL-000103	16/03/2020	NR/CIV/SD/440 NR/CIV/SD/441 NR/CIV/SD/442 NR/CIV/SD/443	Buildings & Civils	Footbridge Ramps	Inconsistency with requirements for gradients of footbridge ramps	Accepted
STDCHAL-000104	19/03/2020	NR/L2/INI/EDT/CP0091	Projects	Building Information Modelling	Requirements for colours used in Building Information Modelling	Not Proceed
STDCHAL-000105	25/03/2020	NR/L3/CIV/151/F010 NR/CIV/SD/3010, NR/CIV/SD/3012	Buildings & Civils	Asphalt and Yellow Lines for Platforms	Detailed requirements relating to materials used	Accepted
STDCHAL-000106	27/03/2020	NR/PS/SIG/11763	Signalling	Reed Track Circuits	Requirements relating to cable lengths and loop impedance	Accepted
STDCHAL-000107	15/04/2020	NR/L2/CIV/177	Buildings & Civils	Monitoring track during building works	Action limits for measurement of twist	Not Proceed
STDCHAL-000108	05/05/2020	NR/L2/OTK/5100	Off Track	Boundary Measures Manual	Incomplete standard issues and previous version withdrawn.	Accepted
STDCHAL-000109	13/05/2020	NR/L3/MTC/CP009	Maintenance	Travel arrangements during COVID-19 pandemic	Requirements for travelling in vans (COVID-19)	Not Proceed
STDCHAL-000110	01/06/2020	NAT/REP/MPJ/ENG/EP3736860 NR/EP/SD/4005, NR/EP/SD/4006 NR/EP/SD/4007	Electrical	Points Heating Equipment	New combination of Point Operating Equipment and rail type has been introduced	Accepted
STDCHAL-000111	04/06/2020	NR/L3/CIV/140/52C	Buildings & Civils	Use of furnace bottom ash	Amend the standard to reflect the guidelines in the Environment Agency Regulatory Position Statement 172 "The regulation of the use of unbound pulverised fuel ash and furnace bottom ash"	Not Proceed
STDCHAL-000112	04/06/2020	NR/L3/CIV/020	Buildings & Civils	Number of footbridge risers	Discrepancy between NR/L3/CIV/020 and BD29/04 (6.6) and the code of practice, regarding accessible train station design for disabled people for the number of risers and goings for a footbridge	Accepted
STDCHAL-000113	04/06/2020	NR/L3/CIV/020	Buildings & Civils	Bridge collision loading	Use and adapt/adopt UIC777-2R within Network Rail standards to provide a more cost efficient design for railway collision loading	Not Proceed
STDCHAL-000114	11/06/2020	NR/L2/ELP/21085	Electrical	Along-track screening conductors	The statement "Along-track screening conductors are not required for signalling power cables" is misleading	Not Proceed
STDCHAL-000115	15/06/2020	NR/L2/ELP/21085	Electrical	Short circuit rating of conductors	Dimensioning of conductors for short-circuit rating using the adiabatic method for different fault levels	Not Proceed
STDCHAL-000116	22/06/2020	NR/L2/ELP/21085	Electrical	Current contact zone parameter	Proposals for the current contact zone parameter in relation to the highest point of the overhead contact line	Not Proceed
STDCHAL-000117	23/06/2020	NR/L2/ELP/21085	Electrical	Aerial earth wire termination bonds	Clarify the number of aerial earth wire termination bonds	Accepted
STDCHAL-000118	01/07/2020	NR/L2/CIV/074	Buildings & Civils	Overhead line foundation loads	Removal of the 'minimum load' table for the design and Installation of overhead line foundations.	Accepted
STDCHAL-000119	14/07/2020	NR/L3/ELP/27218	Electrical	Symbol Library	The symbol library is not up to date.	Accepted
STDCHAL-000120	14/07/2020	NR/L2/ELP/21120 NR-L2-INI-EDT-CP0091 NR-SP-ELP-27300	Electrical	Record Information	Standards need to be updated to reflect current working practices and procedures and/or standard working practices need to be made to comply with these procedures.	Accepted
STDCHAL-000121	16/07/2020	NR/L2/SIG/11201	Signalling	Tag Files for SSI records	Provision of 'Tag Files etc for SSI' was no longer required by NB26.	Accepted
STDCHAL-000122	06/08/2020	NR/L2/CIV/193	Buildings & Architecture	Lift Commissioning	Further clarity required on the requirements for lift commissioning and acceptance.	Not Proceed
STDCHAL-000123	09/09/2020	NR/L2/CIV/003	Buildings & Civils	Asset Status Reports	Provision of Asset Status Reports by the RAM team to ensure the designers are aware of issues with assets which interface with the proposed works to prevent work in later GRIP stages.	Accepted
STDCHAL-000124	16/09/2020	NR/L1/OHS/051 NR/L2/OHS/0120	Quality, Health, Safety & Environment	Drugs and Alcohol Policy	Clarification as to whether randon testing applies to PTS card holders or all Sentinel card holders.	Accepted

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STDCHAL-000125	16/09/2020	NR/L2/SCO/302	Supply Chain Operations	Supplier Qualification & Audit	Challenge to requirement for the supplier to be able to demonstrate the requirements of the standard without a consultant present at the audit	Not Proceed
STDCHAL-000126	24/09/2020	NR/L2/RMVP/0200 Module P503	Plant	Lifting Operations	Potential to use existing construction competencies for for lifting operations such as Crane Supervisor and Slinger Signaller.	Not Proceed
STDCHAL-000127	12/10/2020	NR/L3/INI/P3M/131/01	Projects	Project Information Management	Standard does not enable application of modern/best practice.	Accepted
STDCHAL-000128	12/10/2020	NR/L3/INI/P3M/131/02	Projects	Document Referencing	Standard does not enable application of modern/best practice.	Accepted
STDCHAL-000129	11/11/2020	NR/L2/OHS/050	Quality, Health, Safety & Environment	Sentinel Scheme Rules	Content is out-of-date and needs revision to reflect current practice.	Not Proceed
STDCHAL-000130	17/11/2020	NR/L3/CIV/039	Buildings & Civils	Paint Specification	Clarify if Paint N18 should be specified for external steelwork.	Accepted
STDCHAL-000131	19/11/2020	NR/L3/SIG/MG0110 NR/L3/SIG/SG0111 NR/L3/TRK/7006	Signalling	Production of TSR and ESR designs	There is no defined standard for the production of TSR and ESR designs, no competence for the designer clearly defined or defined requirements for the competence of staff installing speed warning equipment for project works (outside the maintenance organisation).	Accepted
STDCHAL-000132	02/11/2020	NR/L3/CIV/020	Buildings & Civils	Height of parapet	1.5m high parapet height over the length of the bridge with mesh infill panels to provide natural light for the bridge crossing.	Not Proceed
STDCHAL-000133	11/12/2020	NR/GN/CIV/200/01	Buildings & Civils	Flooring slip resistance	Proposal to adopt a minimum target rating of 36 Pendulum Test Value for level floors in internal controlled areas	Accepted
STDCHAL-000134	16/12/2020	NR/L2/SIG/30060	Signalling	Use of Petroleum Jelly Filler	Proposal that Petroleum Jelly Filler is removed from the existing standard for all LSZH cable types and is replaced by using specific cable water blocking tapes	Accepted
STDCHAL-000135	16/12/2020	RT/E/PS/00005	Signalling	Cable specification for sub-surface stations and tunnels	Revise and update the standard for the construction and fire performance safety requirements for operational use in sub-surface section 12 stations and tunnels	Accepted
STDCHAL-000136	18/01/2021	NR/L2/TEL/30135	Telecommunications	CCT V coverage for fire exits & secondary means of escape	Expand table 3 (cl9.4.1) to provide clear requirements for CCTV coverage for fire exits & secondary means of escape	Accepted
STDCHAL-000137	19/01/2021	NR/L1/ELP/27000	Electrical	Operational Sectioning Locations	Delete clause 4.7.3, (should not be requiremnt for all loops but considered on its merits)	Accepted
STDCHAL-000138	28/01/2021	NR/L3/ELP/27237	Electrical	D29 Droppers	Add details on requirements for installation	Not Proceed
STDCHAL-000139	10/02/2021	NR/L1/ELP/27000	Electrical	Design of crossovers & turnouts	EP267 is amber. Should be green to align with related clause in NR/L2/ELP/27715	Accepted
STDCHAL-000140	10/02/2021	NR/L3/CIV/020	Buildings & Civils	Accldental derailment loading	To be able to use columns not designed for train derailment but that will be protected by the existing platform (at Walton-on-Thames)	Not Proceed
STDCHAL-000141	10/02/2021	NR/L3/TRK/2049	Track	Non-provision of future OLE clearance	To be able to locate footbridge (at Walton-on-Thames) to provide clear distance of 4.64m from rail level to the soffit of the bridge.	Not Proceed
STDCHAL-000142	17/02/2021	NR/L2/OHS/019	Quality, Health, Safety & Environment	Management of runaway risk	To update Appendix B of module 05 to allow the user of watchpersons where no barrier can be put in place (removing conflict with Appendix C)	Accepted
STDCHAL-000143	18/02/2021	NR/L2/OHS/019	Quality, Health, Safety & Environment	Management of runaway risk	To be able to use Watchmen (non lookout) with audible system where none of the listed control measures can be implemented & the work is at night or in a tunnel	Accepted
STDCHAL-000144	18/02/2021	NR/L2/TRK/2500	Track	Roles & responsibilities	Amended to provide clear responsibility for obtaining the NR/L2/MTC/089/AMP009 and incorporating this information into the design before the form A is issued for approval.	Accepted
STDCHAL-000145	03/03/2021	NR/L2/ELP/27311	Track	Roles & responsibilities	Records of Verifying documents - Add a box to the form where references to Verifying documents can be recorded. Certification of consequential works- Provide guidance within the standard as to how consequential works are certified. Specifically, the replacement of passive fire stopping.	Accepted
STDCHAL-000146	03/03/2021	NR/L2/OHS/00110	Track	Roles & responsibilities	Permit contractors to use their own governance for sites they are managing in accordance with their own HSMS: simplifies contract administration.	Not Proceed
STDCHAL-000147	03/03/2021	NR/L3/INI/CP0036	Track	Roles & responsibilities	Permit contractors to use their own governance for the provision of welfare facilities if contractors have suitable arrangements which equal or exceed those of Network Rail.	Not Proceed
STDCHAL-000148	11/03/2021	NR/L2/CIV/003	Buildings & Civils	Inspection and Testing	Section 14 should be reworded into a number of key requirements.	Accepted
STDCHAL-000149	12/03/2021	NR/L3/CIV/023	Buildings & Civils	Misleading clause 8.2.12.2	Update the clause to explain that the plastic section modulus should not be used to increase the capacity of members in bending e.g. cross members, that are a part of an outrigger-frame/ U-frame etc.	Accepted
STDCHAL-000150	17/03/2021	NR/CIV/SD/TUM/400	Buildings & Civils	Clause 3.3 & drainage cover details shown on drawing number NR/CIV/SD/432	Holes provided in the drainage covers - an alternative design providing slots 3 times the void area.	Accepted
STDCHAL-000151	22/03/2021	NR/L2/MTC/089	Maintenance	Minimum Asset Data Requirements (MADR)	Include the MADR as a fully referenced document with a full document number linked to the standard. Provide a formal process within the standard for updating the MADR.	Not Proceed
STDCHAL-000152	22/03/2021	NR/L2/OHS/019	Quality, Health, Safety & Environment	Management of Runaway Risk	Use of a Watchman (non lookout).	Not Proceed
STDCHAL-000153	22/03/2021	NR/L2/OHS/019	Quality, Health, Safety & Environment	Reference documentation - Page 5	Out of date references	Accepted
STDCHAL-000154	23/03/2021	NR/L2/SIG/11201	Signalling	Sections 1.1.4 & 1.1.5 referencing incorrect	Out of date references	Accepted
STDCHAL-000155	25/03/2021	NR/L2/OHS/020	Quality, Health, Safety & Environment	General updates required throughout but notably to Sections, 5, 6 and 8.	Out of date references	Accepted
STDCHAL-000156	28/04/2021	NR/L2/ELP/21085	Electrical	Section 12.1.1.1	Update to capture GWEP requirements which need to be retained	Not Proceed
STDCHAL-000157	24/05/2021	NR/SP/ELP/27044	Electrical	Section 4 – Switching Station Designation	Update 2 character designation to 4 characters. A central, national database of utilised names should be maintained to ensure no clashes or duplications.	Accepted
STDCHAL-000158	25/05/2021	NR/L3/SIG/11303	Signalling	New method of installing cabinets	Inclusion of the new Rail Cabinet Base System as at the very least a noted option for cabinet installation.	Not Proceed
STDCHAL-000159	26/05/2021	NR/L3/OPS/251	Operations	Unmanned Aircraft System (Drone / UAS) Operations	Introduce a new section that covers the use of Class A1 drones (less than 250g)	Not Proceed
STDCHAL-000160	09/09/2021	NR/L2/OHS/069	Quality, Health, Safety & Environment	6.2 Access Gates	Signs at new access points	Not Proceed
STDCHAL-000161	30/06/2021	NR/L3/CIV/006	Buildings & Civils	Entering a new asset into the structures database / management system.	The standard is updated to include requirements for new assets and what inspections are needed to list new assets into the management systems	Not Proceed
STDCHAL-000162	01/07/2021	NR/L2/TRK/2102	Track	Amber vs Green sidebars	A dotted Green sidebar should be added against the text "Changes in vertical alignment shall not be coincidental with changes in horizontal alignment."	Accepted
STDCHAL-000163	06/07/2021	NR/L3/TRK/2049	Track	mod01: Clause A.5.1 & A.5.2	The level of detail provided in Tables 1 & 2 is "misleading with the potential to cause injury to staff" if the information is used at face value without further detailed reference to the REPW series of drawings.	Accepted
STDCHAL-000164	14/07/2021	NR/L2/RSE/02009	Systems Engineering	Section B6. CRE construction	Out of date references	Accepted
STDCHAL-000165	19/07/2021	NR/L2/RSE/02009	Systems Engineering	The Role of 'Design Engineer'	The requirements for the identification/requirements for a DE and how to assess when one is required is needed to give the standard greater clarity and to allow it to be applied consistently.	Applicant advised to progress as variation application.
STDCHAL-000166	19/07/2021	NR/L2/TRK/2102	Track / Signals	Design and Construction of Track; plus: NR/L2/SIG/11201, issue 14; Signalling Design Handbook NR/L2/TRK/3100, issue 5; Topographic, engineering, land and measured building surveying	Cross Referencing & Clauses	Accepted
STDCHAL-000167	21/07/2021	NR/L2/ELP/40068	Electrical	Diesel generator minimum running time	Change of mrt.	Accepted
STDCHAL-000168	22/07/2021	NR/L2/CIV/193	Buildings & Architecture	Footbridges 7 Lift call buttons	Relocate lift call button	Not Proceed
STDCHAL-000169	22/07/2021	NR/L2/TRK/3203	Track	The available range of Survey Methods in Table E.1 which does not recognise the advances in survey technology and the introduction of new survey equipment since this Standard was published in 2011.	Standard should be revised to include the latest survey equipment and allow alternative (more modern) methods of survey data collection and post-survey processing which can produce more accurate data sets and reduce the unnecessary iterations of design and additional clearance analysis.	Accepted
STDCHAL-000170	06/08/2021	NR/L3/ELP/27250	Electrical	Sheet 602 – Symbols for cable and bonds used on negative drawings	Due to on-going 150mm2 alu cable shortages, the only alternate provided by the table is a 161mm2 copper cables. In most cases copper cables are non preferred due to likely cable theft risk.	Accepted
STDCHAL-000171	13/08/2021	NR/L2/CIV/177	Buildings & Civils	Figure 1 in section 5 and Table 3 in section 6	The order of tests in figure 1 does not match the wording of section 5, and the wording in the table is unclear and is being misapplied in practice	Accepted

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
STDCHAL-000172	16/08/2021	NR NR/L2/CIV/005	Buildings & Civils	10 Post- Installation	Stdnard should: - Clearly stated requirement for post installation CCTV surveys to be undertaken. - require that copies of any discharge consent are provided to the RAM as part of the handover. - provide clarity on need to provide operation & maintenance manuals for non-standard items such as oil inceptors etc.	Not Proceed
STDCHAL-000173	17/08/2021	NR/L2/CIV/096	Mining and Tunnels	Drafting errors	The standard seems to contain some drafting errors. The challenge seeks to resolve these to improve clarity.	Accepted
STDCHAL-000174	13/09/2021	NR/L2/ELP/23001	Electrical	6.2 Environmental Conditions	COTS vs full engineered to order solution.	Accepted
STDCHAL-000175	15/09/2021	NR/L2/ELP/27550	Electrical	5.3.2 Interdisciplinary Check and Review Evidence	Issue 2 of the standard included some updates which adversely affected the clarity of cl.5.3.2.	Accepted
STDCHAL-000176	29/09/2021	NR/L2/RSE/02009	Systems Engineering	Clause 10.4.6 and all sub-clauses, Plus Module 1 Appendix B.5	Recording of competencies	Accepted
STDCHAL-000177	30/09/2021	NR/GN/CIV/202	Buildings & Civils	Guidance on information signage	The requirement for signs "on the left" side of the bridge is unclear.	Not Proceed
STDCHAL-000178	30/09/2021	NR/L2/RSE/02009	Systems Engineering	Clause 10.4.6 and all sub-clauses, Plus Module 1 Appendix B.5	Recording of competencies	Accepted
STDCHAL-000179	05/10/2021	NR/L2/RSE/02009	Systems Engineering	Clause 10.4.6 and all sub-clauses, Plus Module 1 Appendix B.5	Recording of competencies	Accepted
STDCHAL-000180	06/10/2021	NR/L2/ELP/27715	Electrical	Flexibility when positioning DEP (Designated Earthing Point) locations	Standard (and others as applicable) should not intentionally provide conflict with NR/L3/ELP/29987/07.	Not Proceed
STDCHAL-000181	07/10/2021	NR/L2/MTC/006	Quality, Health, Safety & Environment	Standard out of date	Update Standard	Accepted
STDCHAL-000182	12/10/2021	NR/L2/CIV/177	Buildings & Civils	Section 4 definition of track support zone & Section 6 table 3	Update Standard Sections	Accepted
STDCHAL-000183	13/10/2021	NR/L2/TRK/4040	Track	Design Requirements	- When installing a Level crossing system as a temporary RRAP under standard NR/L2/RMVP/0200/P301 where ballast is used instead of a road surfacing. - Devices placed centrally between the rails over a width of 300 mm & angled down at 45° to deflect anything hanging from a train which could otherwise damage or displace an end internal panel.	Not Proceed
STDCHAL-000184	25/10/2021	NR/L3/CIV/020 ISSUE 1	Buildings & Civils	Duration of time between maintenance based on whole life cost	The standard is updated to include guidance on the preferred interventions periods.	Not Proceed
STDCHAL-000185	22/10/2021	NR/L2/RSE/30041	Systems Engineering	Application of BS EN 50121-4 within the railway boundary	Limit application of BS EN 50121-4 to safety critical Signalling and Telecommunication equipment located within 3m of the nearest rail of an electrified line.	Not Proceed
STDCHAL-000186	17/11/2021	NR/L3/CIV/006/2A	Buildings & Civils	The examiner should also be required to check the height limit as shown on the bridge matches the records held in the National street Gazetteer,	An additional check is included to ensure data used for sat navs is correct	Not Proceed
STDCHAL-000187	17/12/2021	NR/L3/CIV/071	Geotechnical	Geotechnical parameters	An additional clause is added to the standard to require designers to specify additional geotechnical investigations at the start of the site works to confirm the validity of the Geotechnical parameters used in the design.	Accepted
STDCHAL-000188	16/12/2021	NR/L3/CIV/0063	Buildings & Civils	Purpose, Sections 5.1 & Appendix B	Purpose - updated doc to have commonly defined terms Section 5.1 - The hierarchy is replaced with a flow diagram and clear definition of hazards which needed assessment for possible collapse on to NR property which are not mitigated by this standard. Appendix B - Update diagrams to match requirements of standard.	Accepted
STDCHAL-000189	20/12/2021	NR/L2/CIV/003	Buildings & Civils	General issue relating to activities post issue of approved design for construction	Approval of fabrication drawings	Not Proceed
STDCHAL-000190	23/12/2021	NR/L2/ELP/40045	Electrical	6.2 performance requirements	Update of standard to include requirements for energy efficiency / heat loss prevention / use of smart control systems to avoid unnecessary running time / supervisory control and data acquisition.	Accepted
STDCHAL-000191	24/12/2021	NR/L2/RSE/02009	Systems Engineering	Various	Various changes to align with project SPEED and improve delivery by the reduction of complexity.	Not Proceed
STDCHAL-000192	29/12/2021	NR/L2/TRK/4239	Track	Re suppliers using virgin fill from a quarry (eg.Type 1), not recycled (eg 6F4).	It is proposed that the extract of cl.5.5.4.4 above be amended to clarify that recycled materials from SCO are compliant for use in the trackbed.	Accepted
STDCHAL-000193	29/12/2021	NR/L2/TRK/4239	Track	cl.6.7 Supervision and Monitoring	It would be helpful for the wider industry if NR updated their guidance and standards to provide consistency and clarity over what is considered to be a) track and b) track bed or formation, and the product approval requirements that apply to each	Not Proceed
STDCHAL-000194	04/01/2022	NR/L3/TRK/002	Track	Various - Standard "out of date"	Update Standard	In Progress
STDCHAL-000195	04/01/2022	NR/L3/ELP/29987	Electrical	3.1 Areas of Reduced Wire Height	3.1 mandates a set of requirements for a specific hazard, no requirements are provided for how the locations of the known hazard (reduce wire height) is communicated to the wider railway industry.	Accepted
STDCHAL-000196	28/01/2022	NR/L3/CIV/151	Buildings & Civils	Details on drawing NR/CIV/SD/263 issue E	Various	Not Proceed
STDCHAL-000197	04/02/2022	NR/L2/OHS/0044	Workforce Safety	L2/OHS/0044F01 L2/OHS/0044F02 L2/OHS/0044F03	Change in wording to L2/OHS/0044F01, and addition of signature box and wording to L2/OHS/0044/F02 and F03	Not Proceed
STDCHAL-000198	15/02/2022	NR/L3/TRK/003	Track	Item 14 Sleeper / Bearers	The form currently is silent with respect to longitudinal timbers and provides no prompt to specific hand back requirements for longitudinal bearers	Accepted
STDCHAL-000199	02/03/2022	NR/L2/TRK/1019	Track	General visual inspection minimum illuminance requirements	Lower the minimum illuminance requirements.	Accepted
STDCHAL-000200	07/03/2022	NR/L2/OHS/00130	Workforce Safety	Fixed Permanent and fixed temporary barriers	Update the standard to remove the 2.75m requirement but inset a requirement to risk access from the proximity to the live OLE	Not Proceed
STDCHAL-000201	07/03/2022	NR/L3/CIV/006	Buildings & Civils	6.7 Watercourses	An additional check is included to ensure trash screens are designed / working as per current best practice	Not Proceed
STDCHAL-000202	23/03/2022	NR/L2/OHS/021	Workforce Safety	Various	Update Standard	Accepted
STDCHAL-000203	30/03/2022	NR/L3/TRK/7012	Track	Various	Various	Accepted
STDCHAL-000204	04/04/2022	NR/CIV/SD/TUM/101	Buildings & Civils	3.1.3 Intrusive weeds 5.10 / 5.11/ 5.12 Cracks	Mixing of Weed killer. Update to provide requirements and details for the provision of date tabs.	Accepted
STDCHAL-000205	29/04/2022	NR/I2/TRK/2102	Track	cl.10.3.4 Ballast excavation	Provide guidance on control measures to reduce risks.	Not Proceed
STDCHAL-000206	29/04/2022	NR/L2/CIV/295	Buildings & Civils	It's not obvious how the tidal velocity should be used in Figure A.9 EX2502 calculation sheet	Clarify this, and update this standard to enable asset management teams to appropriately manage tidal scour.	Accepted
STDCHAL-000207	06/05/2022	NR/L2/INI/CP1030	Workforce Safety	Various	Scope, Requirements – types what Level 2 / How Level 3, Accessibility of forms, Requirements – restrictions from product acceptance process, Requirements – harmonisation with PAS128	Accepted
STDCHAL-000208	16/05/2022	NR/L2/CIV/044	Buildings & Civils	cl.8.4.1 Depth of Cover	Update drawings to reflect the shallower depth stated in the standard.	Accepted
STDCHAL-000209	23/05/2022	NR/L2/OHS/021	Workforce Safety	Requirement for general purpose gloves when working on site	Change requirement for gloves with a cut resistance Level 5.	Not Proceed
STDCHAL-000210	23/05/2022	NR-L2-ELP-21106	Electrical	Network Rail do not have a standard for calculation of protection settings for their Auto Transformer systems	Expand scope to include Auto Transformer Systems & bring other details up to date	Accepted
STDCHAL-000211	23/05/2022	NR-L3-ELP-21085	Electrical	Various	Improve the contents of the standard.	Accepted
STDCHAL-000212	31/05/2022	NR/L2/OHS/00130	Workforce Safety	Various	Affordability of the protection methods detailed within the standard.	Accepted
STDCHAL-000213	13/06/2022	NR/SP/ELP/27242	Electrical	Standard out of date	Complete revision	Accepted
STDCHAL-000214	14/06/2022	NR/L2/CIV/177	Buildings & Civils	Type of monitoring	Clearly define allowable methodology for monitoring the track & other types of infrastructure.	Not Proceed
STDCHAL-000215	01/07/2022	NR/L2/CIV/178	Buildings & Civils	Definition of Working Platform	Amend the definition of Working Platform.	Not Proceed
STDCHAL-000216	28/07/2022	NR/L2/TRK/2102	Track	Changes in horizontal alignment	Where track lowers are being considered for Electrification or gauge clearance allow vertical alignment changes to be coincident with horizontal transitions	Accepted
STDCHAL-000217	28/07/2022	NR/L2/TRK/2102	Track	Constant grade 30m either side of an overbridge	Where track lowers are being considered for Electrification or gauge clearance, allow vertical curves to be designed through an overbridge	Accepted
STDCHAL-000218	28/07/2022	NR/L2/TRK/2102	Track	Vertical element (constant gradient)	Where track lowers are being considered for Electrification or gauge clearance allow vertical element lengths less than 2 seconds at maximum linespeed	Accepted
STDCHAL-000219	03/08/2022	NR/L2/CTM/220	Competence & Training	Various	Various	Not Proceed
STDCHAL-000220	09/08/2022	NR/L2/ELP/21085	Electrical	Guidance for Bonding in complex areas	Clause 18.2.2 is updated to include a guidance section.	Accepted
CHL/1	30/09/2022	NR/L3/OHS/019-IP	Workforce Safety	Planned removal of standard	Removal of the requirements of NR/L3/OHS/019 ahead of the planned date of December 2022.	Accepted
CHL/2	03/10/2022	NR/L2/CIV/044	Buildings & Civils	Depth of UTX cover to be a minimum of 900mm between sleeper soffit and crown of pipe.	A reduction in the desirable depth of cover without additional measures to 600mm.	Not Proceed
CHL/3	04/10/2022	NR/L3/OHS/019-IP	Workforce Safety	Withdrawal of standard	Work to NR/L2/OHS/019 Issue 11 and disregard NR/L3/OHS/019-IP.	Accepted
CHL/4	04/10/2022	NR/L1/ELP/27000	Electrical	Various	EP-23 & Clause 4.5.9 to be corrected. Missing Appendices	Not Proceed

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/5						
CHL/6	24/10/2022	NR/L2/CIV/003	Buildings & Civils	RACI chart	Asset Manager responsibility	Accepted
CHL/7						
CHL/8						
CHL/9	07/11/2022	NR/L2/CIV/177	Buildings & Civils	Varous	Reference to other standards	Not Proceed
CHL/10	14/11/2022	NR/L2/OHS/00130	Workforce Safety	COSS as Site Controller	Mandatory use of a COSS on every site	Accepted
CHL/11	14/11/2022	NR/L2/RSE/02009	Systems Engineering	The mandatory requirement for IDC on simple, single discipline projects	A simpler and quicker process.	Not Proceed
CHL/12	15/11/2022	NR/L2/TRK/2102	Track	All As Built standards	A new standard to capture all the requirements of As Built information.	Accepted
CHL/13	29/11/2022	NR/L2/RMVP/0200	Rail Mounted Vehicle Plant	Approach to minimum exclusion zone for flailing works	Implement a risk-based approach to determining the minimum exclusion zone for flailing works	Not Proceed
CHL/14	30/11/2022	NR/L3/TRK/002	Track	Track Maintenance Handbook & Vegetation Clearance	A reference to NR/L2/RMVP/0200/P511 - Infrastructure Plant Manual: Vegetation Management should be added to this document & the requirements harmonised between the two documents.	Accepted
CHL/15	12/12/2022	NR/L2/OHS/00124	Health and Wellbeing	Hearing Test	Variation for those with certain hearing aids & medical test updated.	Accepted
CHL/16	16/12/2022	NR/L3/CIV/006	Buildings & Civils	Inspection of 3rd party land on either side of a structure	Defects in 3rd part land should be sent to the landowner to resolve and not undertaken by the railway.	Not Proceed
CHL/17	20/12/2022	NR/L3/CIV/006	Buildings & Civils	Recommendations related to actions to deal with identified problems	Recommendations related to actions to deal with identified problems should be removed from the standard.	Not Proceed
CHL/18	20/12/2022	NR/L3/INI/CP0036	Workforce Safety	Standard was written due to the introduction of new Legislation which is now well understood.	Delete or update standard	Accepted
CHL/19	16/01/2023	NR/L2/ELP/27224	Electrical	Various Clauses	Clauses 7.3, 8.5 and 8.9	Accepted
CHL/20	24/01/2023	NR/L3/SIG/11231	Signalling	NR/SMTH/PART 04 - Part 04 [Issue 14]	Clarification as to whether all SMTH Test Plan steps are to be considered mandatory, unless specified otherwise. Rewrite of highlighted Test Plans.	Not Proceed
CHL/21	24/01/2023	NR/L3/SIG/11231	Signalling	NR/SMTH/Part 06 - (NR/L3/SIG/11231) Part 06 [Issue 5]	Clarification as to whether all SMTH Test Plan steps are to be considered mandatory, unless specified otherwise. Rewrite of highlighted Test Plans.	Not Proceed
CHL/22	24/01/2023	NR/L3/SIG/10663	Signalling	NR/SMS/PART/B - (NR/L3/SIG/10663) (Part B) Specified Tests Index [Issue 15]	Clarification as to whether all SMS Test steps are to be considered mandatory, unless specified otherwise. Rewrite of highlighted Test Plans to clarify ambiguous wording and unnecessary steps.	Not Proceed
CHL/23	30/01/2023	NR/L2/TRK/2102	Track	Clause not output based. i.e. it sets limits on adjacent track vertical position to ensure the sixfoot ballast shoulder is self supporting.	The clause should be rewritten based on a known ballast shoulder slope that is self supporting. This would then take into account variances in sleeper (Eg47 versus G44) and ballast shoulder width (375mm versus 450mm)	Accepted
CHL/24	01/02/2023	NR/L2/RSE/100	Systems Engineering	The Product Acceptance Service Guidance Note 'How to decide what needs product acceptance' (currently at Issue 1.1)	The items listed in this guidance document and the applicability of NR/L2/RSE/100/05 is reconsidered.	Not Proceed
CHL/25	01/02/2023	NR/L3/ENV/305	Environment and Sustainability	Broken PEN conductors Guidance	Several amendments to Guidance	Not Proceed
CHL/26	16/02/2023	NR/GN/OTK/5000	Off Track	The specification for posts should be expanded to include requirements for steel posts.	Update specification to include steel posts as well as timber eg following product https://mcveighparker.com/clipex	Not Proceed
CHL/27	24/02/2023	NR/L2/TRK/2102	Track	Cant deficiency and line speed improvements	Clause 8.5.8 Cant deficiency and line speed improvements should be revised and reissued.	Accepted
CHL/28	24/02/2023	NR/L2/TRK/2102	Track	"Legacy CWR" and "modern CWR"	'Definitions' term for "modern CWR" should be revised to clarify the design intent.	Accepted
CHL/29	27/02/2023	NR/L2/RSE/02009	Systems Engineering	Requirement for engineers to demonstrate DE01 competence (via Competence Quads) plus ongoing review.	Consultants own competency system is used to assess and record competency.	Not Proceed
CHL/30	27/02/2023	NR/L2/TRK/2102	Track	Challenge against a previous issue of the standard.	Current issue addresses issues raised in the challenge.	Not Proceed
CHL/31						
CHL/32	04/04/2023	NR/L2/ELP/1007	Electrical	Wording of the existing clauses	DLR interface with the SCADA system	Accepted
CHL/33	25/04/2023	NR/L2/SIG/11201	Signalling	New MCB-CCTV crossings lighting levels	Lower the 40 lux requirement in NR/L2/SIG/11201/Mod X23.	Not Proceed
CHL/34	04/05/2023	NR/L2/OHS/00124	Health and Wellbeing	Changing to the prescribed 38 plate edition from 24 plate edition. 13.4.10 is worded incorrectly.	Permitting use of 24 plate edition and stating the permitted number of failed plates proportionately. 13.4.10 should state 14 of 17 plates read correctly are a pass and 4 or more failed plates is a fail.	Accepted
CHL/35						
CHL/36	27/05/2023	NR/L3/SIG/11303	Signalling	Module 2P10 - Signalling Installation - Track Circuits: Rail Terminations [Issue 2]	Process missing the use of over-rail mounted drills & does not clearly define some key steps to mounting the moulded TC tail to the rail in an optimal way.	Accepted
CHL/37	31/05/2023	NR/L3/CIV/0063	Buildings & Civils	Section 12.2.2	Revert to the previous methods of designing Tower Cranes & managing lifting operations.	Accepted
CHL/38	27/06/2023	NR/L2/SIG/11201	Signalling	Confusion between Mod B7 and F060 Appendix 3.	Amend Mod B7 3.7.1 text or clarify the specific, perhaps historic conditions when the Mod B7 text would override that in F060.	Accepted
CHL/39	14/07/2023	NR/L3/CIV/006	Buildings & Civils	Details of ordnance survey coordinates format to be used	Standard should be updated to ensure data is collected & presented in accordance with NR/L1/ADG/004 ISSUE 1 - Geospatial Referencing	Accepted
CHL/40	14/07/2023	NR/L2/CIV/003	Buildings & Civils	Front page tile table on all forms A to H	Update to reflect the requirements of NR/L1/ADG/004 ISSUE	Accepted
CHL/41	14/07/2023	NR/L2/CIV/003	Buildings & Civils	Sign off boxes	Should be included in the template for: Gauging Engineer & Fire Engineer, Station Security & Contingency Planning Specialist Station Pedestrian Capacity & Evacuation Review Town Planner (listed Structures)	Accepted
CHL/42	20/07/2023	NR/L2/CIV/035	Buildings & Civils	Title block	Updated to reflect the requirements of NR/L1/ADG/004 ISSUE 1 update the current requirement to provide OS grid ref	Accepted
CHL/43	20/07/2023	NR/L2/CIV/191	Buildings & Civils	Cover sheets templates	Updated to state what coordinate system is to be used as per NR/L1/ADG/004 ISSUE 1	Accepted
CHL/44	24/07/2023	NR/L2/ELP/40045	Electrical	Points heating standard drawings	Points heating standard drawings to be aligned to the current track drawings.	Accepted
CHL/45	04/08/2023	NR/L2/CIV/005	Buildings & Civils	Asset data for drainage systems	Inclusion of the requirement to include Geospatial position as part of the design output / As built drawings	Not Proceed
CHL/46	11/08/2023	NR/L2/ELP/27715	Electrical	Testing of voltage proving devices	A simple specification for test cages added to the document with desirable geographical distances between test cages.	Not Proceed
CHL/47	22/08/2023	NR/L2/SIG/11201	Signalling	Clause 5.1.3: 'Sites that are not suitable are: a) stations;'	Amend the clause to say where the station is out of sight of the crossing user	Not Proceed
CHL/48	05/09/2023	NR/L2/RMVP/40069	Rail Mounted Vehicle Plant	Issues related to global warming	Update to reflect issues from global warming	Accepted
CHL/49	06/09/2023	NR/L2/SIG/11201	Signalling	Assessment of infrastructure for climate change	Item added to the requirements in appendix A to review the placing of signalling equipment areas of known flood risk	Not Proceed
CHL/50	13/09/2023	NR/L2/CIV/003	Buildings & Civils	NR/L2/CIV/003/FormC	Rename form to avoid duplication of terminology with Overhead Line Permit Form C RSSB Form RT3116 12-18	Not Proceed
CHL/51	14/09/2023	NR/L2/SIG/11201	Signalling	Current wording states 'An entry will be made for ARS Sub-Area(s) required in manual to prevent opposing, parallel and adjoining routes.'	A definition of the three terms, 'opposing', 'parallel' and 'adjoining' is required	Accepted
CHL/52	14/09/2023	NR/L2/CIV/003	Buildings & Civils	Wording in 13.2 Temporary works operations.	Wording to be changed to give more clarity to the intention behind view on what is defined by "a" (singular in context) item of temporary works design.	Accepted
CHL/53	14/09/2023	NR/L2/TRK/3011	Track	Stressing Rollers	Standard references both traditional under roller/side arm interval requirements and Vortex Stressing Roller intervals	Accepted
CHL/54	22/09/2023	NR/L2/OHS/0047	Workforce Safety	Hazard Record Log	A common Hazard Record/Log template is created by & referenced in both NR/L2/RSE/100/02 and NR/L2/OHS/0047.	Not Proceed
CHL/55	22/09/2023	NR/L2/CIV/095	Mining and Tunnels	Repair and replacement of highway signs process	Creation of fast track process for 3rd party works which are safety critical	Not Proceed
CHL/56	03/10/2023	NR/L2/TRK/2102	Track	Quality and net zero carbon objectives.	Mention of carbon in a way that uses standards to reduce carbon throughout the design & construction process.	Accepted
CHL/57	04/10/2023	NR/L2/CIV/140	Buildings & Civils	240.001 and 240.004 and general update	The document is updated as currently it is silent with respect to the current standard designs for fencing & bonding of fencing within the OLCZ	Accepted
CHL/58	16/10/2023	NR/L1/ELP/27000	Electrical	EP-53 - Tensioning Arrangements	Clause to be changed from Amber to Green	Accepted
CHL/59	16/10/2023	NR/L2/CIV/140	Buildings & Civils	Out of Date document	Withdraw standard and use NR/GN/CIV/208 - Ground Investigation only	Accepted
CHL/60	16/10/2023	NR/L2/CIV/140	Buildings & Civils	Out of Date document	Withdraw standard and use NR/L2/OTK/5201 ISSUE 5 - Lineside Vegetation Management Manual only	Accepted
CHL/61	23/10/2023	NR/L2/TRK/6001	Track	Consideration of climate change and flood risk within problem statements	Section 8.3 list a) item 5 & appendix A "known problems" should be expanded to include flood risk to signalling assets affected by the planned renewal.as defined by NR/L1/SIG/50021/04 item 3.4	Accepted
CHL/62	26/10/2023	NR/GN/OTK/5000	Off Track	Use of timber fence posts	Mandate the use of recycled plastic fence posts	Not Proceed

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/63	03/11/2023	NR/L3/OPS/0064	Operations Principles and Standards	Definition of integrated work plan clause 4.1	The duties as defined by the CDM regs are added to the Roles & Responsibilities RACI matrix in section 3. Section 6.6.2 and Section 6.6.4 are updated.	Not Proceed
CHL/64	21/11/2023	BR 943	Signalling	Out of Date document	A stakeholder review to identify and develop a modern standard that reflects current practice regarding the use of BR943 relays.	Accepted
CHL/65	22/11/2023	NR/L3/TEL/30175	Telecommunications	RAMP Test	The VIAVI approach is to test the circuit at CIR for the configured time and then IF ONLY IF the test fails will a RAMP test be performed	Accepted
CHL/66	30/11/2023	NR/L3/CIV/006	Buildings & Civils	Detailed Examination Requirements	The common requirements for all bridges should include the need to record differing depths of ballast at the ends of each span as a indicator to slow progressive settlement of the structure or uneven loading of the structure	Not Proceed
CHL/67	21/12/2023	BR 829	Signalling	Out of Date document	What is being proposed? A stakeholder review to develop a modern standard that reflects current practices and test methods.	Accepted
CHL/68	07/02/2024	NR/L2/CIV/191	Mining and Tunnels	Provision of mining reports	Add list of exclusions for types of work where stage 1 reports are not required	Not Proceed
CHL/69	09/02/2024	NR/L2/OHS/019	Workforce Safety	Accountabilities and Responsibilities	Expand the clause to include that the PIC sentinel sponsor is to provide Mobile information technology apparatus for use with planning system when staff are on or near the line.	Not Proceed
CHL/70	20/02/2024	NR/L2/OHS/019	Workforce Safety	Responsibilities for planning and working in a possession	Default use of points operators within possessions	Not Proceed
CHL/71	21/02/2024	NR/L2/ELP/CTM015	Electrical	Medical restrictions for colour blindness	A separate module for reading drawings where blue, red and green are used to define the cable for scope of works.	Accepted
CHL/72	27/02/2024	NR/L2/SIG/19609	Signalling	Section updates not reflected in other standards	Confirm that the clauses from NR/L2/SIG/19609, 10.1.3 are still valid & they will be updated in NR/L2/SIG/30009 F060 &/or RIS-0703-CCS. Or they are confirmed as no longer being valid requirements & hence their omission in the current standards.	Not Proceed
CHL/73	04/03/2024	NR/L2/SIG/11201	Signalling	Signal Route and Aspect 27B(M)	The example should include track 'BB' in the OCC column to reflect that the signal is restricted to a yellow aspect until this track is occupied.	Accepted
CHL/74	11/03/2024	NR/L3/TRK/003	Track	Clearances for Non structure apparatus stored lineside	Appendix 2 should be updated to include required clearances for scrap / stored rails and other apparatus such as tools which are left lineside	Accepted
CHL/75						
CHL/76	14/03/2024	NR/L3/CIV/151	Buildings & Civils	Handrail	The handrail at the last step should protrude 300mm on the horizontal	Accepted
CHL/77	21/03/2024	NR/L3/TRK/003	Track	Use of undefined acronyms in declaration	The current numerous undefined acronyms in declaration are updated with full text or properly written defined acronyms	Accepted
CHL/78	28/03/2024	NR/L2/TEL/31107	Telecommunications	VL/VT testing	Either increase the sampling ratio to 100 kS/s for all scenarios, or clearly state that the 10 S/s can be used if the monitoring device has the capability to do the high sampling post-processing internally	Accepted
CHL/79	28/03/2024	NR/L2/ELP/27238	Electrical	Insulation (2Mohm) and continuity tests of all strips.	All the assets to now be monitored using RCM	Not Proceed
CHL/80	28/03/2024	NR/L2/TEL/30084	Telecommunications	Redundant telephones on platforms	Remove telephones from stations.	Not Proceed
CHL/81	28/03/2024	NR/L2/TRK/3100	Track	References to the out-dated, Signalling Asset Survey Data Specification (GRD016)	References to the outdated GRD016 (Signalling Asset Survey Data Specification) to be removed.	Accepted
CHL/82	28/03/2024	NR/L2/TRK/2102	Track	Relative position of adjacent tracks	Update the standard to include a diagram showing where the measurement is taken.	Accepted
CHL/83	28/03/2024	NR/L2/OHS/00124	Health & Wellbeing	Inconsistency between 7.1 and 6.4 & 6.5.	Notes added to show employees can meet level with restrictions.	Not Proceed
CHL/84	23/04/2024	NR/L2/OHS/019	Workforce Safety	Line No 2 of 'Fenced site of work' states in the description column sub table that the netting distance of 0.40mph is 'at least 2m'.	This is incorrect and should read 1.25m as per the handbook 7 issue 8 page 11	Accepted
CHL/85	24/04/2024	NR/L2/SIG/30009	Signalling	Shunt unrestricted has been used with calling-on class route for a lot of the examples.	Change the entry to refer to the correct class of route, Shunt Occupied (SO).	In Progress
CHL/86	24/04/2024	NR/SP/ELP/27242	Electrical	Clause 9.3.2 states that any cable operating at a voltage in excess of 110v shall be installed in under track crossings at a minimum depth of 1.2 metres below rail level. However, when reviewing the cable management standard (NR/L2/SIG/19812), table 3 states that mains cables for track category 3, 4, 5 & 6 should first be installed in hollow bearers.	Amend in line with the requirements of NR/L2/SIG/19812. This would then prevent the requirement to apply for a derogation every time that a CAT 3, 4, 5 & 6 track requires a cable operating at a voltage in excess of 110v to be placed in a hollow bearer.	Accepted
CHL/87						
CHL/88						
CHL/89	15/05/2024	NR/L2/TRK/001	Track	8.3 TEF3227 Report The TEF adds little value and is onerous to review for the section managers department on a 4 weekly interval as PLPR regimes stipulates.	Removing this review will allow more time for section managers team to carry out other more justified maintenance works or data analysis	Accepted
CHL/90	16/05/2024	NR/L2/CIV/193	Buildings & Architecture	Reliability improvement for lifts in an external environment	A 2D infra-red safety edge curtain to the the full height of the car doors	Not Proceed
CHL/91	16/05/2024	NR/L2/CIV/193	Buildings & Architecture	Space restrictions or long step over point with a fixed wall-mounted ladder and manual handling issues with a folding ladder fixed to the floor.	A wall fixed ladder that be can unfolded to be accessed safely. This will come with an electrical interlock that will prevent the lift running unless returned to its stored position.	Not Proceed
CHL/92	16/05/2024	NR/L2/CIV/193	Buildings & Architecture	Removal of secondary alarm and flashing strobe	Advice of alarm through telecommunication. Utilisation of the remote monitoring system to negate hard-wiring	Not Proceed
CHL/93	16/05/2024	NR/L2/RSE/0005	Systems Engineering	No Clear path or graduation for when NR have designed the product and defined standards that define the level of testing and control of the part.	Additional paths that cover NR developed and full defined production controlled sections. Suggested title "Proof of Manufacture to NR Design".	Accepted
CHL/94	20/05/2024	NR/L2/ELP/27716	Electrical	Sketch could introduce an element of uncertainty due to misalignment with BS EN 50119 (definition of HCW is defined i.e. as measured to datum point in standard but perpendicular to plane in BS EN 50119)	Minor revision to sketch	Accepted
CHL/95						
CHL/96	29/05/2024	NR/L2/SIG/19812	Signalling	Clause 8.1, Clause 8.3 and Appendix B (Figure 3) is ambiguous	Clear and unambiguous text and correct cross referencing will reduce confusion, enhance understanding and avoid expensive design errors in detailed track designs	Accepted
CHL/97	04/06/2024	NR/L2/SIG/10160	Signalling	Clause 4.2.2	It is proposed to either: - change this clause from amber to green - allow a review with the PRE (similar to those being appointed as Responsible Signal Engineer) - re-write this clause to allow other controls	Not Proceed
CHL/98	07/06/2024	NR/L3/SIG/11231	Signalling	Test Plan EL22 Replace a Howells LED SL35 Light Engine	Update SMTH/EL22 to include conversion of SL35 to Howells Light Engine	Not Proceed
CHL/99	10/06/2024	NR/L2/CIV/191	Mining & Tunnels	Clause 2	For temporary works and construction compounds, particularly those constructed 'off' railway land and those away from operational railway, then the requirements of CIV/191 are difficult to fully apply in the timescales that are available. Where the location of the proposed temporary works/construction compound is not covered already in a permanent works MRA, then align CIV/191 with the Form C requirements in CIV/003 issue 8 Clause 13.2.	Not Proceed
CHL/100	12/06/2024	NR/L3/CIV/020	Buildings & Civils	11 General Loading requirements	The bullet points for General Loading requirements as presented in section 11 should be updated to omit the generic listing for "maintenance activities" which should be added to with specific works which are foreseeable in the life of the structure	Not Proceed
CHL/101	20/06/2024	NR/L3/CTM/306 [Issue 3]	Competence & Training	Skills Assessment Scheme: Competence assurance process	For regime 2 and 3 to 5 amendment to expiration processes	Accepted
CHL/102	26/06/2024	NR/L2/CIV/1000	Buildings & Civils	Competence Management for Structures	Table 6 shows "the required frequency of practice to support maintenance of the competence". No guidance is provided for situations where Network Rail have not employed a individuals employer to undertaken the works & thus the required frequency of practice to support maintenance of the competence cannot be achieved.	Not Proceed
CHL/103	05/07/2024	NR/L3/TRK/3510	Track	Frequency to maintain and inspect and refill the lubrication asset.	To extend the frequency on CAT 1A,1 & 2, from 56 days to 84 days.	Accepted
CHL/104	08/07/2024	NR/L2/SIG/30081	Signalling	NR/L2/SIG/11201/Mod A3-3 Issue 3 Discrepancy between the two standards about axle counter 10m clearance and what the notes on scheme plan should include.	Given symbols '% ' and '@ ' are generally used on scheme plans, would expect Mod A3-3 be updated to include these as part of the scheme plan notes.	Accepted

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/105	11/07/2024	NR/L3/CIV/030	Buildings & Architecture	Clause 4.3	Tactile surfaces are detectable to the visually impaired, the tactile profiles must be above 3mm to be detected. A change in colour or geometry at the 3mm threshold is required to alert maintenance that the tactile surface is unsafe.	Not Proceed
CHL/106	22/07/2024	NR/L2/SIG/11201	Signalling	Number of requirements in Appendix H are also applicable to non SSI installations & so including them in Appendix H may mean the requirements/ guidance is not followed on non SSI schemes.	Review Appendix H & move some content to Appendix A. (note there is an error in section H6, the text for columns 1 and 2 is transposed compared to the example table in Table H.6.1)	In Progress
CHL/107	22/07/2024	NR/L2/SIG/30014	Signalling	30014/A110 requires the timescales for issue of the closure list to be included in the design specification (see page 21, 2nd para). However the standard on signalling design specifications has no requirement.	Remove the requirement for the Design Specification to include timescales for the issue of the closure list as this is stated in the test plan and should be determined by the testing organisation.	Accepted
CHL/108	25/07/2024	NR/L3/CIV/006	Buildings & Civils	Add date photograph was taken	Photographs are often reused in reports where no change to the defect. This can present a misleading view to report checkers and people trying to find the defect as other things may have changed eg vegetation growth etc	Accepted
CHL/109	29/07/2024	NR/L2/CIV/295	Buildings & Civils	Clause 6.1 currently requires the asset engineer to record in the corporate scour management database assets based on subjective criteria.	Scour Risk assessment for all structures over water	Accepted
CHL/110	09/08/2024	NR/SP/TRK/1110	Track	Reduce the amount of industrial NDT experience required, having attended the UT - U1 (including U16) course for Level 1.	Following training of UT - U1 (including U16), Level 1 would require 6 experience days instead of 35 currently required.	Accepted
CHL/111	19/08/2024	NR/L2/CIV/140	Buildings & Civils	BS EN 1090-2 has been published but NR/L2/CIV/140/1800C still refers to the former now superseded version of BS EN 1090-2	Update to align with the 2018+A1:2024 standard	Accepted
CHL/112	20/08/2024	NR/L3/TRK/3402	Track	Requirement to U18 test all HRW	Removal of the requirement to U18 test all HRW. This was introduced in lieu of historical data at the point of product approval.	Accepted
CHL/113	21/08/2024	NR/L2/TRK/2102	Track	Requirement to provide 2 sleepers of the same material and depth on each side of an ordinary fishplated joint.	Needs to be clear that it is not only insulated fishplates which require 2 sleepers of the same material and depth on each side, and that ordinary fishplated joints also carry this requirement.	Accepted
CHL/114	23/08/2024	NR/L2/SIG/11201	Signalling	Appendix D D1.1	Appendix mandates depiction of controls to be followed when modifying existing control centres. This creates confusion when partial modifications will be carried out. Either change the text or RAG status of the Appendix D.	Accepted
CHL/115	29/08/2024	NR/L2/OHS/019	Workforce Safety	Clause 5.1.1 A Change in Person In Charge	Clause refers to the PIC & COSS always being the same individual. The wording to be amended to demonstrate that when there is 'suitable competence/experience/knowledge to delegate specific task risks' then this can be done so. Operational and Site can remain the same.	Not Proceed
CHL/116	11/09/2024	NR/L2/TRK/2102	Track	Clause 12.1	Adjust Clause 12.1 so that it no longer makes reference to a minimum number of sleepers per length. Rather it should stipulate a minimum sleeper spacing that is required as part of the conversion. Clause 12.2 can remain with the minimum rail length required.	Not Proceed
CHL/117	25/09/2024	NR/L3/TRK/2049	Track	Discrepancy in the way highways level crossings are categorised from 1-3. IE: in 2049 the level crossing is categorised based on the number of vehicle crossings per day whereas TRK/4041 stipulates the category as being determined by the type of vehicle to use the crossing.	Both standards to be aligned in how level crossings are categorised and for TRK/2049 to reference the process of categorisation with regard to NR LX stakeholder engagement as per TRK/4041	Accepted
CHL/118	09/10/2024	NR/L2/TRK/2102	Track	1) Phrasing of the standard is ambiguous which makes abiding by it difficult. The way the overlap is defined is unclear. 2) Reason given behind the clause is out of date.	1) 'changes in horizontal alignment should not overlap with changes in vertical alignment', should be rephrased as 'horizontal transition elements or horizontal virtual transitions should not overlap with vertical curves'. 2) 'this is to aid with setting out and the implementation of tamping designs', should be rephrased as 'this is related to passenger comfort'. Clause should be expanded to state when an overlap is present the Rate of change of cant & deficiency for the horizontal transition & the change in %g for the vertical curve should be in line with maximum values stated in TRK/2102 & TRK/2049.	Accepted
CHL/119	09/10/2024	NR/L2/TRK/2102	Track	Contradiction between clause 8.5.7 & 8.5.10.	Clause 8.5.7 & 8.5.10 are better aligned to remove the contradiction. Clause 8.5.10 to state that cant deficiency & rate of change of cant deficiency are to adhere to the limits of Table 12 & Table 13 in clause 8.5.7. However if there is a specific reason why the cant deficiency must be limited to 55/75mm above cant for line speed improvement schemes, the reason be explained more clearly.	Not Proceed
CHL/120						
CHL/121	18/10/2024	NR/L2/MTC/089	Maintenance	AMP deliverables to include a EMC DoC as a deliverable.	Addition of EMC DoC to Form 8.	Not Proceed
CHL/122	23/10/2024	NR/L2/SIG/11201	Signalling	Missing description relating to Buffer stop example symbol (d)	Include the appropriate description for the symbol.	Accepted
CHL/123	24/10/2024	NR/L3/TRK/7013	Track	Table 6, Inspection frequencies	Table 6 is amended in line with TRK/001 Module 4 Clause 11.2 that only requires follow up inspections for clamped joints.	Not Proceed
CHL/124	24/10/2024	NR/SP/ELP/21014	Electrical	Very Low Frequency (VLF) testing of High Voltage XLPE cables instead of DC testing.	A Technical (TI) or Special Change (LI) to clarify that VLF testing should be carried out instead of DC testing as this can shorten the life span of the cables.	More Information Required
CHL/125	25/10/2024	NR/L3/TRK/1020 - Track Hand Back for Projects: Confirming track is safe for opening at the selected line speed after projects engineering work [Issue 1]	Track	Table 7	The Authority level required for Activity 3 is not consistent with the levels shown on the Certificate of Competence TEF3306. Clarification as to whether it is required to hold Authority Level 1 or Level 2-4 for this activity	Accepted
CHL/126	31/10/2024	NR/L2/RSE/100 - Network Rail Assurance Panel Processes [Issue 8]	Systems Engineering	Reference to 'National Supply Chain' which no longer exists. Clause refers to PE-MS-005 which is incorrect. The reference should be to NR/L3/SCO/311/04	Amend to 'Route Services'. Amend the wording to the following Clause.	Accepted
CHL/127	08/11/2024	NR/L2/SIG/14201 - Signalling Risk Assessment Handbook [Issue 5]	Signalling	The SORAT programme.	Propose amending the programme to focus on risk based reassessment rather than time based.	In Progress
CHL/128	11/11/2024	NR/L2/RSE/02009 - Engineering Management for Projects [Issue 8]	Systems Engineering	Standard mandates using a specific form, not an electronic version or supplier created equivalent. F0042 needs to be used, where an electronic capture and display option would reduce duplication but still offer the assurance.	Propose electronic versions equivalent to F0042 are acceptable.	Accepted
CHL/129	11/11/2024	NR/L2/RSE/02009 - Engineering Management for Projects [Issue 8]	Systems Engineering	Standard mandated form (F0039,F0040)	Allow the use of a contractor produced form as they have already done the same checks before proposing the individual, then NR can review and countersign to accept saving the need to copy data to the NR forms	Accepted
CHL/130	18/11/2024	NR/L3/CIV/151 - Application of Standard Designs and Details for Building and Civil Engineering Works [Issue 8]	Buildings & Civils	6.4.3 (Secondary Containment) 6.2 Fuse Connection- Form 6.3 Fuse Load Factors Clause 5.2-Use of Packing Shims 6.4.1 & 6.4.4-Enabling Safer Inspections Section 8- Repair/Maintenance	Various changes proposed. See Challenge for full list.	In Progress
CHL/131	18/11/2024	NR/L3/CIV/006 - Structures, Tunnels and Operational Property Examinations Manual [Issue 12]	Buildings & Civils	CPBs. Particular points of concerns are: -Beam -bracket bolted connections -Grouted anchors -Beam (Where designed as a fuse as per BD65/97 & BD65/14).	Examination Requirements for bridges with CPBs should be reflected in NR/L3/CIV/006/1A, NR/L3/CIV/006/1B and NR/L3/CIV/006/2D- Section 7. . NR/L3/CIV/076/02 (As a requirement of Rapid Response Exams- CPB primary connections and any 'Structural Fuse' requires at least a visual examination)	Accepted
CHL/132	19/11/2024	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Confusion around documentation under FED.	Clarification in alignment with Testing and Design Standards, the exact copies required for site to avoid any deviations between different Routes.	In Progress
CHL/133	20/11/2024	NR/L2/RMVP/27035 - Depot Protection Systems [Issue 2]	Rail Mounted Vehicle Plant	Entire depot protection system has to be brought up to compliance with the latest version of standard if any change is made.	Reword the scope so that only the changes made to the system need to comply with the current requirements of the standard. Also review some of the language used for example 'fitted for new'.	In Progress
CHL/134	22/11/2024	NR/L2/ELP/40068 - Principal Supply Point (DNO + DG) Specification [Issue 1]	Electrical	The autonomy time of 10mins is excessive and drives additional capital and operational costs for batteries and battery enclosures/rooms.	Reduction in autonomy figure either to a project specific value to be determined on a site by site basis considering the whole system, e.g. the supply and the operational load. Alternatively a revised figure of 5mins.	Accepted

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/135	04/12/2024	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Form A' is a RED clause.	Design Remit Form A' should be removed from the red clause and made amber or green. This allows for proposed alternative forms to be produced.	Accepted
CHL/136	05/12/2024	NR/L2/TRK/3204 - Gauging Management [Issue 1]	Track	The use of manually propelled track trollies with rotary laser profilers together with bespoke software to be used for gauging structures and platforms.	That the list of survey methods be expanded to include the use of approved track measuring devices (TMDs).	Not Proceed
CHL/137	09/12/2024	NR/L3/TRK/3510 - Rail Friction Management [Issue 3]	Track	Initial and final inspection frequencies.	Allow lubrication inspection frequencies to be set by risk, assessing the assets based on usage, maintenance history and reservoir capacity. The inspection frequencies can be pushed out from 56 or 91 to a maximum of 182 days when the evidence supports a longer inspection frequency.	Accepted
CHL/138	09/12/2024	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Clause 10.1.2.	Clause be amended/updated to remove the requirement of 'SIL1 safety related' for the auto lower strike-in function. Or alternatively clear rationale is provided to demonstrate that the function is required to be safety related and at least SIL1.	Accepted
CHL/139	09/12/2024	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Clause 21.5.1 - ASM design.	Clause should be amended/updated to be more generic, specifying the objective of ensuring down detection integrity, reflecting the fact that there are multiple methods of achieving this.	Accepted
CHL/140	10/12/2024	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Current definition of a green clause.	Update to the definition of green guidance .	Not Proceed
CHL/141	12/12/2024	NR/L2/RMVP/0200 - Infrastructure Plant Manual [Issue 13]	Rail Mounted Vehicle Plant	Crane Operator competence training.	An extension to the implementation of this clause to enable time for compliance requirements to be met.	Not Proceed
CHL/142	12/12/2024	NR/L2/TRK/0032 - Joining Of Rails By Aluminothermic Welding [Issue 7]	Track	Aluminothermic welds shall be inspected within 4 weeks of casting by a qualified inspector.	Reduce the requirement for the final weld inspection for ALL cast welds, only 50 % of welds cast require a final inspection.	Accepted
CHL/143	17/12/2024	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	TSR/ESR designs being carried out by NR staff with a central register for UK wide designs. There is a danger that TSRs are issued with a duplicate number.	Standard is overly prescriptive, should state that each TSR and ESR design is given a unique number.	In Progress
CHL/144	17/12/2024	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Nature of the requirements for an equipment table on TSR and ESR designs.	Some flexibility in the requirements for and equipment list that would allow TSR and ESR designs to be relevant to a client's requirements. The layout provides the running order, intent and mileages, so it should be unnecessary to repeat this in the equipment list.	In Progress
CHL/145	17/12/2024	NR/L3/CIV/020 - Design of Bridges [Issue 1]	Buildings & Civils	Contradiction this standard and TRK/2102 re minimum ballast depth.	1) Update CIV/020 to align with minimum ballast depths required in TRK/2102; OR 2) Update TRK/2102 to quote minimum ballast depth required by CIV/020 at new underline structures.	Accepted
CHL/146	19/12/2024	NR/L2/OHS/003 - Fatigue Risk Management [Issue 9]	Workforce Safety	Use of a calculator as part of fatigue management.	Allow contractors to maintain their own RISQS approved methodology as per the guidance issued by the ORR - the calculator is neither specific to rail nor the individual nature of contractor works (all jobs are different levels of risk, which by law the employer MUST be assessing anyway (this is identified in the new ORR guidance too)	Not Proceed
CHL/147	27/12/2024	NR/L2/RMVP/0200 - Infrastructure Plant Manual [Issue 13]	Rail Mounted Vehicle Plant	Clause Numbering	Minor improvement to clause numbering, clause 4.1 has two sets of clauses both with similar identities	Not Proceed
CHL/148	27/12/2024	NR/L2/ELP/27716 - Electrical and mechanical clearances on overhead electrified railways [Issue 1]	Electrical	Unnecessary complexity	Refers to a standard that is not available for general access and the value in question therefrom (3925mm) as quoted is not relevant to standard NR infrastructure. Also, EHQ/ST/O/003 & NR/L2/ELP/2721 could be superseded or merged (as appropriate) into 21088 mod 06.	Not Proceed
CHL/149	03/01/2025	NR/L2/TRK/2500 - Engineering Assurance Arrangements for the Design and Construction of Track [Issue 4]	Track	Acceptance of single option at end of ES3.	NR/L2/TRK/2500 be updated to include a mandatory requirement for Regional Engineer acceptance of the selected option at ES3 and an associated Track Engineer Form (TEF) to record the acceptance.	Accepted
CHL/150	06/01/2025	NR/L2/OTK/5100 - Boundary Measure Management Manual [Issue 5]	Off Track	Alternative approach - improvement of design by providing an environmentally friendly and reduced manual handling weight option to the current standard concrete foundation.	A hydrophobic polyurethane foam, to be identified as an alternative option to the standard postmix concrete that is currently identified.	Not Proceed
CHL/151	07/01/2025	NR/L2/OHS/020 - Track Visitor Permits (formerly RT/LS/S/020) [Issue 5]	Workforce Safety	Section 8c) and Section 8b) - live conductor rails.	Section 8c) Minor work in Red Zones states "here shall be no live conductor rails at the site of work;" There may be scenarios within Section 8b) Specialist or Minor work in Green Zones where there is a live DC Floater present within a green zone. Section 8b should additionally state that no work should take place in and around the live DC Floater where staff are undertaking an activity.	Accepted
CHL/152	08/01/2025	NR/L2/ELP/27716 - Electrical and mechanical clearances on overhead electrified railways [Issue 1]	Electrical	Magnetic field limit of 360uT	Clarify that the 360uT shall be used only in areas where general public has access to. In all other areas, where only occupational exposure is expected the 1000 uT limit (from the RSSB document) should be used.	Accepted
CHL/153	10/01/2025	NR/L3/ELP/27720 - Test Before Touch for Overhead Line Equipment [Issue 1]	Electrical	Change of Method (2) requested (to Method 4) on planned works without consultation with supplier.	Method 4 should either be removed or made more robust and stipulate that it is only to be used in emergencies or if anything has changed on the shift and not for planned work.	In Progress
CHL/154	14/01/2025	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Guidance for designers regarding the provision of dark mode control circuits.	Standard to include guidance as follows: For level crossings with continuous train detection conditions b) and c) are appropriate ie. controls require b) or c). For level crossings without continuous train detection conditions a) and b) are appropriate ie. controls require a) or b).	Accepted
CHL/155	17/01/2025	NR/L3/SIG/10663 - Signal Maintenance Specifications [Issue 18]	Signalling	Red Clause - Gearbox must be replaced following run through before the HPSA is returned to service.	Consideration is made for trailing points, provided some criteria are met relating to management of related defects, to allow for a time bound return to service ahead of gear box replacement	Accepted
CHL/156	29/01/2025	NR/L2/RSE/02009 - Engineering Management for Projects [Issue 8]	Systems Engineering	NR Specific forms.	The use of NR Specific forms means duplicating a Contractor form that has the same info as the NR forms. Use the best form for the job from either organisation, with NR countersigning for acceptance if the Contractor Forms are used	Accepted
CHL/157	04/02/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Definition of the Principle of Virtual Transition.	The definition makes reference to "angular velocity". This parameter is not used in Track Design and has no relevance for the variation of the lateral acceleration (and hence of the cant deficiency) around the point of spot curvature change. The definition is misleading and geometrically incorrect. Replacement of this rule with EN norm equivalent.	Accepted
CHL/158	04/02/2025	NR/GN/CIV/200 - Station Design Manual [Issue 10]	Buildings & Architecture	Guidance contradicts with the requirements of the Persons of Reduced Mobility National Technical Specification Notice (PRM NTSN (2021)).	Grid sizes are mandated by BS EN 12464, not 'recommended' as stated, and the guidance should include that 'if the ratio of the longer to the shorter side is 2 or more then becomes the shorter dimension of the area as stated in BS EN 12464 parts 1 and 2. The implications of this are significant as for a 100 m long platform (4 m wide), then the grid size would be 5 m incorrectly using d = 100 m instead of the maximum grid size being 0.4 m using d = 4 m. The final paragraph of 6.2.3 states: For platforms, it is recommended that illuminance measurements should be taken using a 1.0 m x 1.0 m grid across a platform and along its length. This is contradictory to the earlier NR guidance on grid sizes and is non-compliant with the requirements of the PRM NTSN as the platform width would be required to be at least 10 m wide for a 1.0 m grid size.	In Progress
CHL/159	04/02/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Math rules introduced in 2015 from the old handbook No 3, referring to how to manage short segments of elements between curves.	Removal of the entire section of the standard that was copied from Handbook No 3 and were not present in the previous version of TRK2049 - issue 12 - June 2010.	Accepted
CHL/160	04/02/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 12]	Track	Section 5.11 Switches and crossings	Cant deficiency. Removal of Note 4.	Accepted
CHL/161	05/02/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	The Tables that define the Standard Circular Curve turnouts.	Reconsider limits and align with international practice.	Accepted

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/162	05/02/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 12]	Track	Virtual Transition.	The standard should make a clear difference between the alignment element where the curvature changes - the spot radius change - and the calculation method.	Accepted
CHL/163	06/02/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Switches - Effective Radius	Remove the section Switches - Effective Radius from the standard. Remove any reference to calculating a "theoretical cant deficiency" using this method.	Accepted
CHL/164	10/02/2025	NR/L3/TRK/1300 - Re-profiling and Grinding of Running Rails, including Switches and Crossings [Issue 1]	Track	Switches & Crossings have been included in this clause.	Removal of the text "Switches and Crossings" from the clause	More Information Required
CHL/165	13/02/2025	NR/L3/SIG/10064 - General Instructions to Staff Working on S&T Equipment [Issue 12]	Signalling	Document requires that structures have to be multiple colours as per section 5.3 but can be a single colour for Newly galvanised surfaces clause 5.5	Reduction in the number of colours which will simplify the painting process to omit black foundation bases, handrails, railings, safety hoops and brackets see clause 5.3 item c Signal structures should be painted in one colour, this is already permitted under clause 5.5 for newly galvanised surfaces	Not Proceed
CHL/166	13/02/2025	NR/L2/OHS/022 - Working Safely at Height [Issue 2]	Workforce Safety	Use of harnesses in scissor lifts	IPAF (International Powered Access Federation) and other industry standards, advocate for risk-based assessments rather than blanket requirements. A revised risk based approach could enhance both safety and operational efficiency.	Not Proceed
CHL/167	13/02/2025	NR/L2/SIG/30014 - Signal Works Testing Handbook [Issue 23]	Signalling	Naming convention used for the axle counter strike-in & Strike-out detection units.	D120/TS14-42 (Typical two track Schweizer Electronic Vamos System) is amended to suit the typical layout design presented by the typical Vamos template, used in the SOD design.	Accepted
CHL/168	13/02/2025	NR/L2/XNG/30020 - Level Crossings Design Handbook [Issue 4]	Level Crossings	This document is now being produced by Designers/ Project delivery teams outside of NR. As such the producer, and audience (Reviewers etc.) has changed.	G22/F01 and G22/F02 reviewed and amended considering the changes in the documents use.	Accepted
CHL/169	13/02/2025	NR/L2/XNG/30020 - Level Crossings Design Handbook [Issue 4]	Level Crossings	Standards (30020/R03 & 11201_X40) are in direct conflict with each other. R03 states - "Where MSLs are provided on the approach side then the decision point from which the MSL is visible to users before they decide to pass it" X40 states - "When positioned on the approach side of the crossing, the position of the MSL visual indicator is the decision point".	The standards are reviewed, and a consistent approach should be agreed with the correct document being amended to suit.	In Progress
CHL/170	18/02/2025	NR/L3/SCO/311 - Supply Chain Operations, T&RS and OTM Engineering and Management Manual [Issue 5]	Supply Chain Operations	Clause 6 prescribes "The Asset Engineer shall establish and regularly review and update a risk record covering all risks associated with the fleets Operation and Maintenance".	This is unachievable. The ownership of risk identification, risk management and risk mitigation needs to be more intelligently thought through, allocated and applied between the business, engineering and production services community and assigned to posts that hold the relevant competence and authority changing the organisation structure as and where may be necessary.	In Progress
CHL/171	20/02/2025	NR/L2/SIG/30009 - Signalling Principles Handbook [Issue 29]	Signalling	Platform OFF indicator. Banner Repeaters	Prove the Main Signal alight in the OFF indicator controls. Prove the Banner controlling relay energised in the signal OFF indication, where the Banner is associated with a Main Signal.	Not Proceed - DECISION APPEALED
CHL/172	21/02/2025	NR/L2/SIG/30009 - Signalling Principles Handbook [Issue 29]	Signalling	Standard is ambiguous about what point controls should be used to condition out overlap track clear tests.	An update to the principle is required to clarify the controls required. The result could affect other standards (especially SSI).	Accepted
CHL/173	21/02/2025	NR/L2/CIV/003 - Engineering and Architectural Assurance of Building and Civil Engineering Works [Issue 8]	Buildings & Civils	There is ambiguity about the use of the simplified Technical Approval process (aka Form H) for simple design submissions.	DCC0 defines a simple design to be submitted under a Form H, but the use of a Form H for such designs is then heavily caveated in various other parts of the standard in terms of other risks or permissions that may apply. This is particularly so for DCC0 temporary works designs. The wording in the standard should be amended to provide a consistent thread for DCC0 submissions, to explain that the use of the Form H is to manage the assurance of simple designs where there is a risk to the operational railway.	Accepted
CHL/174	03/03/2025	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	Clause 9.2	Proposal to amend a 'red' clause to be 'amber'	Accepted
CHL/175						
CHL/176	05/03/2025	NR/L2/RMVP/0200 - Infrastructure Plant Manual [Issue 15]	Rail Mounted Vehicle & Plant	5.2 Placing Road Rail Access Points	Clarity on why rail joints are permitted in sidings under risk assessment, but aluminothermic welds are not, given that welds are typically stronger than rail joints?	Not Proceed
CHL/177	10/03/2025	Form RT3199 - Work-site Certificate [Issue Dec-20]	Operations Principles and Standards	THE REMOVAL OF THE SENTENCE "a separate certificate must be completed for each affected by the work" FROM THE RT3199 FORM	AS HB12 DOES NOT STIPULATE THAT A SEPERATE CERTIFICATE IS REQUIRED FOR EACH LINE IN THE WORKSITE, THE SENTENCE NEEDS TO BE REMOVED FROM RT3199.	In Progress
CHL/178	11/03/2025	NR/L3/SCO/311 - Supply Chain Operations, T&RS and OTM Engineering and Management Manual [Issue 5]	Supply Chain Operations (SCO)	Clause 4.3	Rail vehicle engineering, knowledge and fleet experience should be available as an alternative means to determine the review frequency without the introduction of a risk assessment that carries little or no material value.	In Progress
CHL/179	13/03/2025	NR/L2/OHS/00130 - Creating a Site of Work Segregated from the Railway [Issue 3]	Workforce Safety	'General' (2 Scope, 4 Definitions, 6 Applicability / Figure 1 Decision Tree)	Section - 2 Scope - The Manual applies, clause b) change to: b) all works where Network Rail is the promoter or client under CDM. Section 4 definitions, add: Definition for "Promoter & CDM Client"; Promoter = The organisation the finances the project. CDM Client = The organisations for whom a construction project is carried out. Add to NRMI definition: NRMI (add to existing) = Franchised (Train Operator Company) controlled train stations platforms shall be considered NRMI when Network Rail is the Promoter or Client. Section 6 Applicability - add Note at bottom of paragraph.	Accepted
CHL/180	18/03/2025	NR/L2/OHS/020 - Track Visitor Permits (formerly RT/LS/S/020) [Issue 5]	Workforce Safety	Applying for a TVP via the NCCA website	Update to reference the new process for obtaining a TVP	Accepted
CHL/181	18/03/2025	NR/L2/RSE/02009 - Engineering Management for Projects [Issue 8]	Systems Engineering	Aligning the the use of Technical Queries and Requests for Information with NEC 3/4 contracts.	NR/L2/RSE/02009 is not aligned with NEC 3 or 4 contracts which are now the main type of contract utilised on Network Rail projects.	More Information Required
CHL/182	25/03/2025	NR/L2/RSE/100 - Network Rail Assurance Panel Processes [Issue 9]	Systems Engineering	Reviewing above the standards it is implicit that projects that do not make changes to railway system compatibility, operation or maintenance are not required to make an NRAP application, no not require SRP review and sit outside of the CSM regulations.	Better definition of 'change' as 'Any modification(s) to the railway system functionality or compatibility following temporary or permanent EIS.' Clarification that 'Manging, maintaining and integrating with existing system interfaces is not a system change.'	In Progress
CHL/183	27/03/2025	NR/L2/TEL/30185 - Principles for Operational Telecommunications, Signalling and E&P Sub-Access Internet Protocol Networks [Issue 1]	Telecommunications	Clauses 12d, 12e and 12f make reference to a NRT (now DDaT) central system for the remote management of devices. Currently, this central system is not available as an offering from DDaT.	The requirement to manage devices on the DDaT network is the correct approach and should be implemented however, as the central management system is not currently in place and it is unclear when this will be introduced, we do not believe it reasonable to have a mandated clause that cannot be complied with.	In Progress
CHL/184	31/03/2025	NR/L2/OHS/00120 - Drugs and Alcohol Standard [Issue 8]	Health and Wellbeing	Issue 8 introduces sweeping restrictions on medications by redefining "legitimate medical reason" to exclude all unlicensed treatments or medications.	A retraction & thorough review - incorporating subject matter experts, medical, legal, and employee insights.	In Progress
CHL/185	31/03/2025	NR/L2/OHS/00120 - Drugs and Alcohol Standard [Issue 8]	Health and Wellbeing	Conflict with the Equality Act (2010) arising from the "legitimate medical reason" definition and blanket bans described within the standard, as well as planned suspensions from duty with predicable non-negative test results where impairment has already been assessed and the more general poor wording with unclear means of monitoring for compliance.	The update is withdrawn, redrafted with the support of suitable subject matter experts to reduce the risk of discrimination, smooth non-negative test result management with clear English clauses and controls.	In Progress
CHL/186	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Provision of a Track Engineering Form (TEF)	To provide a TEF for the assessment of sites for guard rails	In Progress
CHL/187	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Remove or modify the amber and green clauses related to the modelling of curvature and cant (Vehicle track interaction modelling software)	Replace with guidance for cant / deficiency ratios and for the selection of premium grade rails.	In Progress
CHL/188	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Challenge in line with MVP	Remove the requirements of this section for horizontal alignment requirements for new construction or change from amber to green clauses.	In Progress

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CHL/189	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Challenge in line with PACE	Change the definition of new construction to "construction of a new railway where no railway has previously existed. The provision of additional track(s) alongside an existing railway shall not be considered as new construction. The reinstatement of track(s) on a previously abandoned or mothballed formation shall not be considered as new construction". • Current definition also includes the term abandoned formation. When reinstating track(s) on a mothballed route, it may not be possible or reasonable to comply with some of the new requirements of section 7, particularly horizontal alignment requirements (section 7.2) and the stiffness of the track system (section 7.7) which are more onerous than the requirements for renewals.	In Progress
CHL/190	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Relaxation of requirements in line with SPEED principles.	Relax the 60mph maximum speed for jointed rails less than 60ft.	In Progress
CHL/191	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Recent changes to the rule book allow for the provision of 'A boards' where there are permissible speed changes.	As a consequence, the infrastructure in front of the speed board may be subjected to higher speeds than currently designed and signed for and the attainable speed in front of the speed board may be higher than at present. Requirements and / or guidance are required for how this is managed in inspection, maintenance and design in order to realise these performance opportunities. Alternatively/in addition we could try can prove that the increased is attainable speed is negligible in terms of its effect on infrastructure and therefore no changes to inspection or design requirements are required however, this is likely to be untrue the longer the train is.	In Progress
CHL/192	02/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Simplify the process for converting from mph to kph associated with ETCS introduction	Update 2102 and revise / derogate against 5021 and the NTSN INF to say that even an exceedance of the geometry limits or limits on components occurs as a result of the conversion, that this is acceptable.	In Progress
CHL/193	10/04/2025	NR/L3/CIV/151 - Application of Standard Designs and Details for Building and Civil Engineering Works [Issue 8]	Buildings & Civils	SSD section A-A shows excavation sides to use slopes / benching which allows for a gradual change in track bed stiffness to reduce hard spots.	Create a new SSD section which shows straight excavation of UTX (no benching / sloped sides).	Accepted
CHL/194	17/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	The requirement to extend premium grade rail in compound curves which are showing no wear of RCF by Track Ex	Premium grade rail would not be required on curves with a radius greater than 2500m and which are not showing side wear or RCF where the vehicle track interaction modelling software shows it is not required. Normal grade 260 R to be used.	In Progress
CHL/195	17/04/2025	NR/L3/SIG/11303 - Signalling Installation (Formerly RT/E/S/11303) [Issue 9]	Signalling	Bead labelling is not easily compatible with the complex nature of more modern equipment terminals.	The inclusion within the standard to allow the use of the alternative methods for the labelling of wiring, including for example self adhesive wire wrap or heat shrink printed labels, however other potentially suitable methods and products exist.	Accepted
CHL/196	23/04/2025	NR/L1/TEL/30102 - Network Rail Asset Management Policy - Telecommunications Engineering [Issue 2]	Telecommunications	Renewals shall provide a centrally monitored lineside telephone solution.	Change to standard requirement to "optional"	Accepted
CHL/197	23/04/2025	NR/L2/TRK/053 - Inspection and Repair to Control the Risk of Derailment at Switches [Issue 10]	Track	Clause 4.12 for a gauge 2 failure within 40mm of switch toe - states MAC 9F - immediate ban to facing moves and weld repair switch TEF3029 for this failure - states MAC 9F - immediate ban to facing moves, weld repair within seven days NR/L2/TRK/001 Module 7 has the list of all MACs - 9F does not exist	Clause 4.12 is correct TEF 3029 - amend wording, removing 'within seven days' TRK/001 Mod 07 - add MAC 9F to table of MAC codes	Accepted
CHL/198	28/04/2025	NR/L2/SIG/30009 - Signalling Principles Handbook [Issue 29]	Signalling	Clause 8.2.1.2.2: <i>Where ARFR is provided then it shall be applied following successful reset of the section, is not considered suitable (on safety grounds) for relay logic based applications.</i>	Once a section has been selected for reset and successfully confirmed, aspect restriction is to be applied. Only then, with both these former conditions proved, a conditional reset pulse is sent to the FAdC. This is considered a safer design for relay based logic, as unlike the well developed and applied CBI data based logic, the potential failure modes of relay circuits can have significant differences (e.g. high resistance contact or a wire disconnected) that must be taken into consideration. Strictly following this clause in the standard could result in a successful reset (TR picks) and aspect restriction not subsequently being applied (potentially allowing the protecting signal to clear for a sweep train).	Accepted
CHL/199	28/04/2025	NR/L2/SIG/30009 - Signalling Principles Handbook [Issue 29]	Signalling	Clause 9.2, para 5 b). "The interlocking shall reject a request to apply EPR to a section unless the following pre-requisites are met: a) the section does not already have an EPR applied; b) all routes into and out of the section are normal;	Specifically, the challenge relates to the proving of routes normal reading "...out of the section...". Removal of the apparent conflict in requirements between SSIDS-112 and K210 and consistency of application design across the Network for both relay and computer based interlockings.	In Progress
CHL/200	29/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Re-evaluate the way we calculate the rate of change of cant deficiency.	Impose a limit of 25 - 30mm cant deficiency below which the RcD should not be calculated. Consider the impact of the transition shift in track design.	In Progress
CHL/201	29/04/2025	NR/GN/CIV/300 - Compliance Design Manual [Issue 8]	Buildings & Architecture	General on Telecoms system including Section 8.2.3, Section Section 8.6. Module contains incorrect statements.	Amend all incorrect information related to telecoms.	In Progress
CHL/202	30/04/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Module 3 does not contain details of the latest S&C designs available. Similarly module 4 does not detail all the latest sleeper types etc.	Most of the details within module 03 already exists on RE/PE drawings. Use RE/PW drawings to communicate these details rather the company standard.	In Progress
CHL/203	30/04/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Table 2 out of date.	Remove table 2 as the majority of this information is detailed on RE/PW's and the selection of Points Operating Equipment is governed by NR/L2/SIG/19809.	In Progress
CHL/204	30/04/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	Table 1 out of date.	Remove table 1. NR/L2/TRK/2102 details the requirements for which suite of S&C and S&C type to use along with guidance in NR/GN/TRK/058. NR/L2/TRK/2500 issue 4 removed the terms 'preferred', 'non-preferred,' 'withdrawn,' and 'obsolete' S&C within the checking and acceptance criteria with the intention to allow greater flexibility to designers to select the most appropriate geometry for each particular location and encourages the use of standard RE/PW designs (as does NR/L2/TRK/2102)	In Progress
CHL/205	30/04/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	To ensure consistency and best practice in the construction of ballast ramps.	To provide a set of standard details for the construction of ballast ramps and a hierarchy of preferences and supporting guidance	In Progress
CHL/206	01/05/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Relax the requirements for 'modelling of operational capacity'	Add additional clause to section 7.4: 'Modelling of operational capacity shall not be required if it can be demonstrated that: a) the same services (i.e. same train type, class, consist and loading) using the proposed alignment already operate over similar curvature with similar gradients; or b) modelling of other locations using trains of similar characteristics, similar curves with similar gradients has already demonstrated that such an alignment already achieves compliance with section 7.4. Should there be any existing mitigations, prohibitions or restrictions on the existing alignment due to similar curvature and gradients with the proposed alignment, then these shall apply to the new alignment also unless subsequent modelling and / or designers risk assessment demonstrates otherwise.'	In Progress

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/207	02/05/2025	NR/L2/ELP/27716 - Electrical and mechanical clearances on overhead electrified railways [Issue 1]	Electrical	Clause 8.8.1.1 Requirements.	Revise to historic practice of 200mm as specified with 27715. 200mm is the appropriate minimum value for in span clearance. In span clearance of 600mm is specified for RC conductors referenced against reference system and historic practice from standards but neither quoted standard specifies 600mm as in span clearance. This clause contradicts 27715 which specifies 200mm and is understood to be the correct value.	Not Proceed - DECISION APPEALED
CHL/208	06/05/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	Clauses 5 & 10	Standard limits use to a restricted set of track criteria not reflective of current practice nor excellent sleeper performance. Updating the standard would address this anomaly and allow wider use of spade ended steel sleepers with significant installation and whole life financial benefits for the network.	In Progress
CHL/209	08/05/2025	NR/L2/SIG/30021 - Alterations to Authorised Line Speeds [Issue 2]	Systems Engineering	The Rulebook now allows the use of 'A-boards' which allow trains to accelerate to a higher speed as soon as the front of their train passes the speedboard rather than waiting until the rear of the train has passed the speedboard.	Currently the standard does not acknowledge A-boards	In Progress
CHL/210	09/05/2025	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	NR/L2/SIG/11201/ModX23 - Signalling Design: Module X23 - Level Crossings: Manually Controlled Barriers With Closed Circuit Television [Issue 1]	The Standard wording restricts the use of separate CCTV columns/cameras and specifies a certain type of column which is no longer available/used Use of a Product approved Assisted Lift Trunnion, Column and CCTV Bracket to mount each camera on a separate post at the LC	Not Proceed
CHL/211						
CHL/212	12/05/2025	NR/L2/TRK/1054 - Inspection and Maintenance Procedures for Crossings in Track [Issue 6]	Track	3.2.5 Track Condition	Agreement within each route on which crossings require the installation of void monitoring equipment (manual or remote), based on risk of asset failure or operational criticality. Dip angle checks (either using track geometry data or straight edge measurements on site) will remain as requirements. Underside crack inspections to be carried out on assets not monitored by void meters.	In Progress
CHL/213	13/05/2025	NR/L2/TRK/001 - Inspection and Maintenance of Permanent Way [Issue 25]	Track	NR/L2/TRK/001/Mod14 - Managing track in hot weather [Issue 9] Table 6 - CRT adjustment for various track configurations and conditions - Track curvature	The NR standard should include furthermore values for tight radius, to keep the safe margin from the ERRI research results. Suggested amendment: Radius between 500m and 350m subtract 9°C Radius between 350m and 250m subtract 12°C For radius below 250m subtract 14°C	Accepted
CHL/214	09/06/2025	NR/GN/OTK/5000 - Index of Off-Track and Drainage Drawings [Issue 4]	Off Track	Incorrect details provided for posts 3m Spec states c) posts • steel o section; 3925mm long 127×76×13mm UB/RSJ pointed at top this is incorrect the steel section size this should read 127mm×76mm×13 Kg per M Kg/m	Amend steel section size to 127mm×76mm×13 Kg/m	In Progress
CHL/215	11/06/2025	NR/L2/TRK/0032 - Joining Of Rails By Aluminothermic Welding [Issue 7]	Track	Extend the timescale of which Non-compliant welds should be inspected.	Inspect welds in the timescale given below. NC welds reported as 2/3C defects we would have 2 weeks to inspect. NC welds reported as 2H defects we would have 7 days to inspect. NC welds reported worse than 2H (2B, 2A, 1A, 2BW1, 1BW1) defects inspect within 48 hours as per current standard.	Accepted
CHL/216	11/06/2025	NR/L2/OHS/00120 - Drugs and Alcohol Standard [Issue 8]	Health and Wellbeing	Clause 10.8.4	Clause 10.8.4 restricts disclosure of the drug identified at the POCT stage, even to the donor. However, the collection of this information constitutes processing of special category data (health data), and as such is subject to the principles of lawfulness, fairness, and transparency under Article 5(1)(a) of the UK GDPR and the Data Protection Act 2018.	In Progress
CHL/217	14/06/2025	NR/L3/TRK/3510 - Rail Friction Management [Issue 3]	Track	Clause 8.1 mandates the requirement to decommission traction gel applicators by 31st January each year	Proposed amend wording to 'TGA systems should be decommissioned by 31st January'	Accepted
CHL/218	17/06/2025	NR/L2/CIV/035 - Management of Structures [Issue 2]	Buildings & Civils	NR/L2/CIV/035/Mod02 - Carry Out Structural Assessment [Issue 1] Clause 6.8 Risk Assessment	The clause makes reference to NR/L3/CIV/021, which has not been published and is no longer planned to be.	Accepted
CHL/219	17/06/2025	NR/L2/ELP/21088 - General Maintenance Parameters for Overhead Line Electrification Equipment [Issue 4]	Electrical	NR/L2/ELP/21088/02 - Mark 1 Maintenance Parameters [Issue 1] Clause 10	Update Table 7 to reflect the minimum stagger data in live standard NR/L2/ELP/27212 and explain that the data provided for A660, A660A, A665 and A665A arms is for the pull off condition.	In Progress
CHL/220	18/06/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	There is very little in NR standards which documents the roles, responsibilities and requirements in respect of assessing existing assets for a change in use, for example linespeed increases, changes in EMGTPA or track cat, changes in rolling stock type or length.	A new standard of requirements and guidance for assessing the impact of changes on existing infrastructure to either a) demonstrate suitability or b) identify where intervention is required.	Not Proceed
CHL/221	18/06/2025	NR/L2/SIG/11201 - Signalling Design Handbook [Issue 20]	Signalling	NR/L2/SIG/11201/ModX21 - Level Crossings: Manually Controlled Barriers With Obstacle Detector [Issue 5] Issue 3 - 2.1.3: "Where the route has not been set beyond the signal, the barriers shall not descend, and the RTLs shall automatically extinguish after a time (default of 30 seconds)."	Stowmarket controls should initiate a full level crossing closure sequence (i.e. upon detection of a train at the Stowmarket Strike-In, the sequence will be initiated, illuminating the amber road traffic lights for 3 seconds, subsequently extinguishing and illuminating the red road traffic lights for 5 seconds, and then proceeding to lower the barriers if the crossing is set to AUTO). The proposed solution shall maintain the barriers raised in the above circumstances if the Signaller has his controls set in the raised position. This appears to be compliant with MOD X21 iss.3. Where MOD X21 iss.3 stipulates a default time of 30s, the deviation proposes to time the approaching train to a stand (based on project specific calculations done during scheme development) before normalising the Stowmarket locking on the crossing.	In Progress
CHL/222	19/06/2025	NR/L3/TRK/2049 - Track Design Handbook [Issue 14]	Track	NR/L3/TRK/2049/mod05 - System Interfaces [Issue 2] 2049 - E.4.3: Level Crossing Road Profiles – 1	Where green clauses within TRK/2049 can not be met, it is reasonable to use comparison to the maintenance standard to assess risk. However the different methodologies used in both standards means this comparison cannot be drawn.	Accepted
CHL/223	20/06/2025	NR/L3/TRK/1020 - Track Hand Back for Projects: Confirming track is safe for opening at the selected line speed after projects engineering work [Issue 2]	Track	6.3- Table 7	It is proposed to incorporate the TEF3203 Form F extract into the 019 process to comply with the spirit of the standard, without having to complete Form A-G & issue ATW's for L1 Hand-Backs without additional training. AMCO are looking to up-skill all civils supervisors where OTP is used for works which do not traditionally require appointed hand-back engineers.	Accepted to Revise Standard
CHL/224	20/06/2025	NR/L2/ELP/27716 - Electrical and mechanical clearances on overhead electrified railways [Issue 1]	Electrical	Module 01 clause 5.1.1.1 and Module 03 clause 4.3	When specified by this standard, electrical clearances shall be classified to identify the electrical insulation categories in accordance with Table 3.	Accepted to Revise Standard
CHL/225	23/06/2025	NR/L2/CSG/STP001 - Standards and Controls Management [Issue 9]	Company Standards and Controls Group		The standard prohibits the numbering of each paragraph Allow the numbering of individual paragraphs	Decision Appealed
CHL/226	24/06/2025	NR/L2/TRK/7014 - Standardised Risk Based Maintenance Regime (RBM) for the Inspection and Maintenance of the Permanent Way [Issue 2]	Track	Table 1 - Requirements to inspect in the 4ft by foot	With the introduction of AIVR, Track access being restricted due to increased services. A financial and efficiency target being sought from the business. The decision to utilise new technology meets all of these aims Utilise the AIVR platform to undertake RBM Themed Inspections	Not Proceed
CHL/227	25/06/2025	NR/PS/ELP/00021 - Product Specification for Standby Diesel Generators for Signalling Supplies (formerly RT/E/PS/00021) [Issue 2]	Electrical	Section 5.2	Clause 5.2 is out of data to current equipment and contradicts NR/L2/ELP/40068 iss01 section 9.3. Clause 5.2 should be removed to reflect the current equipment proven starter motor reliability.	More Information Required

ID	Date Received	Standard Challenged	Primary Standards Steering Group	Subject	Simplified Summary of Challenge	Current Process Stage
CHL/228	25/06/2025	NR/L2/TRK/2102 - Design and Construction of Track [Issue 13]	Track	8.5.11 Curving design values - cant deficiency switches and crossings	The limits defined in Table 15 - Abrupt change of cant deficiency limits at switch toes The normal limits of 110mm for speed of upto 40mph and 100mm for above 40mph, place all the NR60MK1 in the exceptional range. As we already know that the MK1 H switch (with an abrupt change at the toes of 110mm) required a speed restriction, that means that for the NR60MK1 design at least, the limit of 110mm might be too high, especially for the higher speed turnouts.	Accepted to Revise Standard
CHL/229	26/06/2025	NR/L3/SIG/10663 - Signal Maintenance Specifications [Issue 19]	Signalling	NR/SMS/AX40-41/RC01	The record card no longer reflects current practice for RSR123 wheel sensor installation. Update record card to reflect current installation practices (including use of NordLock washers)	Accepted to Revise Standard
CHL/230	26/06/2025	NR/L2/CIV/005 - Drainage Systems Manual [Issue 2]	Buildings & Civils	General	The standard for drainage needs updating as it contains EGI Codes which are now obsolete in Ellipse.	In Progress
CHL/231	26/06/2025	NR/L2/CSG/STP001 - Standards and Controls Management [Issue 9]	Company Standards and Controls Group	General	Easy identification of changes of in new issues of existing standard. Utilise black lines in the margin function of word	In Progress
CHL/232	27/06/2025	NR/L3/CIV/006 - Structures, Tunnels and Operational Property Examinations Manual (Formerly Handbook for the Examination of Structures) [Issue 13]	Buildings & Civils	Table 1	Under Visual Examination for Stations, states that Table 1 of CIV/006/3B should be consulted for scope. There is no Table 1 in CIV/006/3B. Believe this should be referring to CIV/006/3C.	Accepted to Revise Standard
CHL/233	27/06/2025	NR/L2/CIV/171 - Examinations, Inspections and Assessments of Buildings & Architecture Assets: Structures and Fabric [Issue 3]	Buildings and Architecture	Clause 6.4	The second and third paragraph say the same thing in different language. The third paragraph only refers to canopies and trainsheds. The second paragraph includes more elements. One of these paragraphs should be removed for clarity.	In Progress
CHL/234	27/06/2025	NR/L2/CIV/171 - Examinations, Inspections and Assessments of Buildings & Architecture Assets: Structures and Fabric [Issue 3]	Buildings and Architecture	Clause 6.5	Clause 6.5 denotes that the RAM should instruct structural inspections and or assessments in line with Table 4 (of NR/L2/CIV/171) and NR/L1/CIV/032. Table 4 does not dictate this timescale. NR/L1/CIV/032 does not exist. NR/L2/CIV/032, nor any of its modules, dictate the timescales for structural inspection for assessment. Propose that the reference to Table 4 is removed. Propose that NR/L1/CIV/032 reference is amended to NR/L2/CIV/035/MOD01	In Progress
CHL/235	30/06/2025	NR/L3/TRK/003 - Index of Track Engineering Forms [Issue 51]	Track	Module: NR/L3/TRK/003/TEF3220 - Form A - APPROVAL IN PRINCIPLE [Issue 2]	The standard does not require the CRE to sign off the Form A, B or C and the TEF's do not have a specific box for CRE sign off. Propose that CRE's are to be held more accountable for design submissions and to actually have to sign an updated version of the Form which either a) replaces the designers submission box with the CRE sign off box or b) has both designer and CRE sign off boxes.	In Progress
CHL/236	30/06/2025	NR/L3/TRK/003 - Index of Track Engineering Forms [Issue 51]	Track	Module: NR/L3/TRK/003/TEF3221 - Form B - APPROVAL OF DETAILED DESIGN AND CHECKING [Issue 2]	The standard does not require the CRE to sign off the Form A, B or C and the TEF's do not have a specific box for CRE sign off. Propose that CRE's are to be held more accountable for design submissions and to actually have to sign an updated version of the Form which either a) replaces the designers submission box with the CRE sign off box or b) has both designer and CRE sign off boxes.	In Progress
CHL/237	30/06/2025	NR/L3/TRK/003 - Index of Track Engineering Forms [Issue 51]	Track	Module: NR/L3/TRK/003/TEF3222 - Form C - APPROVAL OF MANUFACTURING DRAWINGS [Issue 2]	The standard does not require the CRE to sign off the Form A, B or C and the TEF's do not have a specific box for CRE sign off. Propose that CRE's are to be held more accountable for design submissions and to actually have to sign an updated version of the Form which either a) replaces the designers submission box with the CRE sign off box or b) has both designer and CRE sign off boxes.	In Progress
CHL/238	30/06/2025	NR/L3/ELP/27237 - Overhead Line Work Instructions [Issue 26]	Electrical	Module C11 , clause 3.1,3.2 & section 4.	Clause 3.1 - The cyclical correlation should not be necessary providing the OLE depot can provide evidence that the correlation exercise has been completed once before and any required changes to the bonding drawings have been undertaken. Clause 3.2 - This activity is not necessary as examination of Bonds at Key Locations is undertaken through the depots RBM inspection regime with other work instructions. Clause 4 - The RSC gets tested every time a train goes through a section - why test it separately, fix on failure, which is very, very rare.	In Progress