



Briefing note

New documents

Document number	Document title	Issue number
GL/RT1212	DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	One
GL/GN1612	Guidance on DC conductor rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	One
GM/RT2113	Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem	One
GM/GN2613	Guidance on Rolling Stock Subsystem and Interfaces to DC Energy Subsystem	One

Withdrawn documents

GE/RT8025	Electrical Protective Provisions for Electrified Lines	One
GL/RT1254	Electrified Lines Traction Bonding	One
GM/RT2304	Equipotential Bonding of Rail Vehicles to Running Rail Potential	Three
GM/RC2514	Recommendations for Equipotential Bonding of Rail Vehicles to Running Rail Potential	Three
GM/RT1041	Warning Signs and Notices for Electrified Lines	One

Standards Committees:	Energy (ENE) Infrastructure (INS) Plant (PLT) Rolling Stock (RST)
Issue date:	05 September 2015
Document comes into force:	05 December 2015
Compliance dates:	GL/RT1212 05 December 2015 GM/RT2113: 04 June 2016 03 June 2017 for previously authorised designs

Withdrawal dates:	<p>GE/RT8025: Part B5.5.is superseded by GL/RT1212 issue one.</p> <p>Part B5.6. is superseded by GM/RT2113 issue one.</p> <p>Other parts were previously superseded by GL/RT1210 issue one on 07 March 2015.</p> <p>The final withdrawal date of this document is 03 June 2017 due to compliance requirements associated with GM/RT2111 and GM/RT2113.</p> <p>GM/RC2514 05 December 2015.</p> <p>GM/RT1041 05 December 2015.</p> <p>GM/RT1254 05 December 2015.</p> <p>GM/RT2304 Parts of B4.1, part of B4.3, and B4.8 are superseded by GM/RT2113 on 05 December 2015.</p> <p>The final withdrawal date of this document is 03 June 2017 due to compliance requirements associated with GM/RT2111 and GM/RT2113.</p>
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1 Background

Railway Group Standards (RGSs) GL/RT1212 and GM/RT2113 originated from proposal 09/013 'Energy Subsystem – Revised standard to reflect the Standards Strategy'. The aim of the project was to address a gap in the requirements which establish the compatibility between the energy subsystem and the rolling stock subsystem. A comprehensive suite of instructions were developed by incorporating in-scope requirements from other standards, which would be withdrawn as part of the updating process. In addition, new controls would be added having been identified as good industry practice by the cross-industry drafting group.

The project was split into two parts. The first part, 09/013a, dealt with the functional and technical requirements of the interface between the energy subsystem and the rolling stock subsystem in relation to AC electrified lines and trains which travel over those routes. These were published in December 2014. The remaining part, 09/013b, which this document addresses, deals with the DC energy subsystem and the rolling stock subsystem.

GL/RT1212 and GM/RT2113 also have associated guidance notes (GNs) which include rationale and guidance on the requirements.

2 Key changes

Requirements which were deemed out of scope have been withdrawn from GE/RT8025 issue one, GL/RT1254 issue one, GM/RT2304 issue three and GM/RT1041 issue one.

Relevant requirements have been transferred to RGSs GL/RT1212 issue one and GM/RT2113 issue one, as identified in the impact assessment.

The new requirements which have been included in GL/RT1212 issue one and GM/RT2113 issue one, to establish compatibility, take into account values which are currently in existence on the GB infrastructure and rolling stock in regards to the 750 V DC conductor rail energy subsystem.

GL/RT1212 issue one consolidates existing practice for UK electrification, where appropriate, and sets out requirements to support migration towards an ENE technical specification for interoperability (TSI) compliant electrification infrastructure.

Approved deviation 09/020/DGN against GM/RT2304, clause B1, is now addressed by GM/RT2113, clauses 2.1.1 and 2.1.2.

3 Compliance requirements

The requirements of GL/RT1212 issue one come into force on 05 December 2015 and are to be complied with from 05 December 2015.

The requirements of GM/RT2113 issue one come into force on 05 December 2015 and are to be complied with from 05 December 2015.

The disposition of superseded, withdrawn and retained clauses from GE/RT8025 issue one, GM/RT1254 issue one, GM/RT2304 issue three, GM/RC2514 issue three and GM/RT1041 issue one are detailed in the 'withdrawal dates' section of this briefing note and in appendices 1 to 4 of the impact assessment.