

Our Ref: 2022-STN-011

19 May 2025

Dear Stakeholder

Consultation on the revision, new issue and superseding of the following documents:

Number	Title	Issue	Status
GLRT1212	DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	2 (Draft)	Revision
GMRT2113	Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem	2 (Draft)	Revision
RIS-1852-ENE	DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	1 (Draft)	New issue
RIS-2716-RST	Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem	1 (Draft)	New issue
GLGN1612	Guidance on DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem	1	Superseded
GMGN2613	Guidance on Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem	1	Superseded

The Rolling Stock and Energy Standards Committees have considered the business case for change and are consulting on the documents, as listed above. They would welcome your comments on these proposed changes.

This consultation concerns documents containing requirements, rationale and guidance mainly addressing technical compatibility between rolling stock subsystem and the dc conductor rail energy subsystem and aspects of electrical safety related to these subsystems. These documents are used along with Locomotive and Passenger Rolling Stock NTSN and Energy NTSN. These documents should be brought to the attention of relevant persons within project entities, assessment bodies, infrastructure managers and railway undertakings, electrification suppliers and designers and rail vehicle manufacturers, designers and owners. Draft briefing notes have also been provided which provide a concise overview for each of the new and revised documents.

If you have any comment on the content that is not within the scope of this project, your comment will be considered but the committee may choose to log your comment for a future revision, or suggest you submit a Request for Help form.

As part of this consultation, I would specifically draw your attention to the following:

- Proposal for new open points which would replace existing requirements. GLRT1212 contains open points for the following aspects: -

- Short circuit fault levels
- Electrical protection coordination
- Loss of line voltage and reclosure sequence
- Conductor rail layout
- Current at standstill
- GMRT2113 contains open points for following aspects:
 - The short circuit fault current characteristics at the conductor rail
 - The reclosure sequence of the track feeder circuit breakers
 - Train set current at standstill
 - The minimum spacing between interconnected current collectors
- For specific attention of infrastructure managers, a requirement (para 2.4) in RIS-1852-ENE regarding tunnel pinch wires. Please indicate if this requirement is still relevant and needs to be retained.

I have provided comments forms for you to use. This consultation closes on **17 June 2025**. All comments submitted by that date will be considered. However, comments received after that date are unlikely to be responded to. Your comments and personal information (name, job title and organisation) will be recorded on the consultation comments and response form, which is shared with standards committees and other interested parties in the rail industry, to help RSSB respond to your comments. If you do not want your personal information published, please let me know.

The consultation comments and response form will be published on the standards consultations portal <https://consultations.rssb.co.uk/>.

I look forward to hearing from you.

Yours faithfully

Consultations Manager
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Attached:

Business case for change

Briefing notes for new and revised documents

Comments forms

Draft documents:

GLRT1212 Issue two (Draft) - DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem

GMRT2113 Issue two (Draft) - Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem

RIS-1852-ENE Issue one (Draft) - DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem

RIS-2716-RST Issue one (Draft) - Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem

Superseded documents:

GLGN1612 Issue one - Guidance on DC Conductor Rail Energy Subsystem and Interfaces to Rolling Stock Subsystem

GMGN2613 Issue one - Guidance on Rolling Stock Subsystem and Interfaces to DC Conductor Rail Energy Subsystem