

20-009 – Revision to Vehicle Gauging Standards

Version:	4		
Purpose:	Approval to proceed to publication		
Authors:	Barry Tan – Lead Vehicle Systems Engineer Martin Osman – Lead Vehicle Dynamics Engineer Anup Chalisey – Professional Head of Infrastructure Bridget Eickhoff – Principal Infrastructure Engineer Aqeel Janjua – Senior Project Manager		
Sponsor:	Mark Oakley – Professional Head of Rolling Stock		
Lead industry committee:	Rolling Stock Standards Committee (RST SC)	Date:	11 February 2022
Supporting industry committee:	Plant Standards Committee (PLT SC)	Date:	06 January 2022
Supporting industry committee:	Infrastructure Standards Committee (INS SC)	Date:	11 January 2022
Supporting industry committee:	Energy Standards Committee (ENE SC)	Date:	13 January 2022
Supporting industry committee:	Control, Command and Signalling Standards Committee (CCS SC)	Date:	17 February 2022

Decision

The Lead Standards Committee (RST SC) is asked to:

COMMENT on the proposed responses to comments received during consultation.

APPROVE with or without modification the proposed responses to comments received during consultation.

DECIDE if the proposed new issues of GMRT2173 issue 4, RIS-2773-RST issue 2, and RIS-8273-RST issue 1 deliver its intentions.

APPROVE the proposed new issue of GMRT2173 issue 4, RIS-2773-RST issue 2, and RIS-8273-RST issue 1 for authorisation to publish and the withdrawal of GEGN8573 issue 4.

Supporting Standards Committees are asked to:

COMMENT on the proposed responses to comments received during consultation.

SUPPORT with or without modification the proposed responses to comments received during consultation.

DECIDE if the proposed new issue of GMRT2173, RIS-2773-RST, and RIS-8273-RST deliver its intentions.

SUPPORT the proposed new issue of GMRT2173 issue 4, RIS-2773-RST issue 2, and RIS-8273-RST issue 1 for authorisation to publish and the withdrawal of GEGN8573 issue 4.

20-009 – Revision to Vehicle Gauging Standards

This business case for change has been developed to support standards committees in taking decisions related to changes to standards, it includes an assessment of the predicted impacts arising from the change.

Proposed documents

Number	Title	Issue
GMRT2173	Size of Vehicles and Position of Equipment	4
RIS-2773-RST	Format and Methods for Defining Vehicle Gauging Data	2
RIS-8273-RST	Assessment of Compatibility of Rolling Stock and Infrastructure – Gauging and Stepping Distances	1

Superseded documents

Number	Title	Issue
GMRT2173	Size of Vehicles and Position of Equipment	3
RIS-2773-RST	Format for Vehicle Gauging Data	1
GERT8273	Assessment of Compatibility of Rolling Stock and Infrastructure - Gauging and Stepping Distance	1

Documents for withdrawal

Number	Title	Issue
GEEN8573	Guidance on Gauging and Platform Distances	4

Summary

Background and change

This document defines a project to review and update the gauging requirements and associated guidance in the Railway Group Standards (RGS) GMRT2173 issue three and GERT8273 issue one, the Rail industry Standard (RIS) RIS-2773-RST issue one and the guidance document GEGN8573 issue four. The RGSs contain requirements that are out of scope of RGS as they do not meet the criteria to be National Technical Rules (NTRs) and cannot therefore be retained in an RGS, however where these requirements are identified to be valid and useful to the industry they have been included in RISs. The changes to the technical requirements that were considered by this project are: the permission for the use of vehicles with an overhang length up to the value set out in the CCS NTSN (subject to a risk assessment), an improved method for pantograph gauging, the relationship between vertical stepping distance and dwell time at the platform train interface (PTI), and the use of alternative methods to determine a vehicle's swept envelope.

The guidance and rationales have been reviewed to identify where clarity and usefulness can be improved. Each requirement in an RGS or RIS are supported by rationale to provide an explanation of why the requirement is needed together with relevant guidance on its application and industry good practice.

Industry impact due to changes

The benefits presented in this table are calculated for:

Impact areas	Scale of impact	Estimated value £
A. Legal compliance and assurance	High	£200,000 over five years
B. Health, safety and security	Low	£1,008,500 over five years
C. Reliability and operational performance	Low	No benefit is claimed
D. Design and maintenance	Medium	£240,000 over five years
E. People, process and systems	Medium	Not proportionate to quantify
F. Environment and sustainability	Low	Not proportionate to quantify
G. Customer experience and industry reputation	Low	Not proportionate to quantify
Total value of industry opportunity =		£1,448,500 over five years.
The standards change contribution to the total value of industry opportunity		
<input type="checkbox"/> None or low	<input type="checkbox"/> Minor but useful	<input type="checkbox"/> Moderate
	<input checked="" type="checkbox"/> Important / essential	<input type="checkbox"/> Urgent / critical

1. What are the objectives associated with this change?

Objective 1 – To update the Railway Group Standards to align with the Standards Code

- 1.1 Currently GMRT2173 issue three and GERT8273 issue one contain requirements that are out of scope and do not meet the criteria to be included as NTRs. These out of scope requirements cannot be retained in an RGS however, where they are identified to be valid and useful to the industry, they have been included in a RIS. The guidance in GEGN8573 issue four that is relevant to gauging in relation to route compatibility will be addressed in a new RIS, RIS-8273-RST issue one, other relevant guidance have been moved to support the requirements in the GMRT2173 issue four and RIS-2773-RST issue two.
- 1.2 The documents have also been reviewed to ensure that requirements are not duplicated. For example, information related to the shoe gear and tripcock is now set out in GERT8073 issue four so these have been removed from GMRT2173 issue four.

Objective 2 – To specify a revised maximum vehicle overhang

- 1.3 Provide a value for the maximum vehicle overhang of the vehicle body nose from the leading wheelset based on the findings from research currently being undertaken by Network Rail.
- 1.4 GMRT2173 issue three currently sets out a maximum vehicle overhang value of 3.226 m while the LOC&PAS National Technical Specification Notice (NTSN) sets out a maximum vehicle overhang value of 4.2 m.
- 1.5 A revised maximum vehicle overhang value will reduce the number of deviations applied for against this requirement in the future.

Objective 3 – Update methods for pantograph gauging

- 1.6 Update the process that supports the assessment of the route compatibility of the pantograph with the overhead line equipment (OLE). The improvement to the process will be informed by the RSSB research project T1196 *'Development of a Suite of Pantograph Gauges' as a new, informative appendix in GMRT2173 issue four.*

Objective 4 – Update assessment of platform train interface for compatibility and methods to improve the accuracy of the vehicle's swept envelope.

- 1.7 Improved guidance and processes relating to the PTI have been provided based on the findings from the platform train interface working group and research project T1166 *"Minimising the impact of 'high and tight' platforms on the overall PTI step/gap dimensions"*.
- 1.8 Improvements and changes to the methods of determining a vehicle's swept envelope will be addressed to take account of the vehicle's dynamic behaviour. Alternative methods will be permitted for determining a vehicle's swept envelope.

2. How has the content in the standard changed to achieve the objectives?

Objective 1 - To update the Railway Group Standards to align with the Standards Code

- 2.1 Railway Group Standards can only contain NTRs as requirements, therefore those requirements that do not meet the criteria to be NTRs have been withdrawn. Where the requirements remain valid and useful to the industry, they have been included in a RIS or used as guidance or rationale to support requirements in an RGS or RIS as appropriate.

Objective 2 – To specify a revised maximum vehicle overhang

- 2.2 The requirement for the maximum vehicle overhang length has modified to permit the use of vehicles with an overhang length up to 4.2 m – as set out in the CCS NTSN – subject to a risk assessment being undertaken to suitably manage the hazard of a reduced reference system safety margin of 1.654 m.
- 2.3 References and guidance from RIS-0728-CCS are added to Part 3.3 in GMRT2173 issue 4 to provide additional information related to the maximum vehicle overhang value.

Objective 3 – Update methods for pantograph gauging

- 2.4 To improve pantograph gauging assessments both modelling and methods will be updated, taking into consideration outputs from research project, T1196 – “*Development of a Suite of Pantograph Gauges*”.
- 2.5 The outputs from T1196 have been included as an informative appendix in GMRT2173 issue four.

Objective 4 – Update assessment of platform train interface for compatibility and methods to improve the accuracy of the vehicle’s swept envelope

- 2.6 RIS-8273-RST issue one has been developed from the existing GERT8273 issue one, which is to be withdrawn. RIS-8273-RST issue one includes improved guidance on assessment of compatibility at the PTI including relationships between the vertical stepping distance, dwell time and the impact on train performance. The detail in the RIS is based on the findings from the platform train interface working group and research project T1166 “*Minimising the impact of ‘high and tight’ platforms on the overall PTI step/gap dimensions*”.
- 2.7 The requirements and guidance in RIS-2773-RST issue one were updated to clarify and improve the method of defining swept envelopes. Further guidance was added regarding the choice of roll datum height, which will enable the predicted vehicle movements to be more consistent and accurately determined. The specific requirement within GMRT2173 to use the ‘mean + 2.12 standard deviations’ method has been removed allowing alternative methods that offer equivalent or improved accuracy to be used.
- 2.8 It is the intention to withdraw the guidance document GEGN8573 issue four ‘*Guidance on Gauging and Platform Distances*’ and include its content to support requirements in an RGS and RIS. The guidance in GEGN8573 issue one that is relevant to gauging in relation to route compatibility is addressed in a new RIS, RIS-8273-RST issue one, and guidance on pantograph gauging and the effects of cross-wind loading in RIS-2773-RST issue two.

3. How urgently did the change need to happen to achieve the objectives?

- 3.1 The key benefits to industry from the proposed changes to be introduced by this project are considered to be in supporting vehicle authorisation and undertaking route compatibility assessments. The earliest publication of GMRT2173 issue four, RIS-2773-RST issue two and RIS-8273-RST issue one is sought so that industry can begin to realise these benefits.

4. What are the positive and negative impacts of implementing the change?

Justification of impact, scale and quantification for the seven impact areas

A. Legal compliance and assurance

- 4.1 The clarity provided by correctly identifying requirements as NTRs will have a beneficial impact on achieving compliance and the authorisation process. The benefits will arise in particular, in respect of refurbishment of vehicles that affects their dynamic behaviour, the introduction of new trains onto the GB mainline railway or the cascading of existing vehicles. The reduction in the number of NTRs will potentially reduce the work and costs associated with the required Design Bodies (DeBos) assessments where the Railways (Interoperability) Regulations 2011 apply to a project. On the basis that the changes affect a notional fifty DeBo assessments per annum and achieve an average reduction of a day per assessment at £800 per day then this would represent an annual cost saving of £40,000 per year which over a period of five years is equivalent to £200,000.

B. Health, safety and security

- 4.2 Improved information in RIS-8273-RST on the assessment of vertical stepping distances and the relationship with dwell times is expected to bring improved safety performance to the platform-train interface. Improvement to the PTI has the potential benefit of reducing the risk associated with slips, trips and falls. There are currently of the order of ten equivalent fatalities per year at the PTI and if the changes in this project could reduce these by up to 1% then using the 2019 value of preventing a fatality of £2,017,000 this would represent £1,008,500 over a period of five years.

C. Reliability and operation performance

- 4.3 The changes to requirements will make it easier to introduce new trains or deploy existing trains on other routes and therefore improve availability of rolling stock. However, it is not considered that the changes will have direct implications for reliability and therefore no benefit is claimed.

D. Design and maintenance

- 4.4 If the changes and guidance introduced by this project were to reduce the costs associated with compatibility assessments involving fifty platforms per year by reducing the effort needed by each by one day, at £800 per day then a saving of £40,000 per year would be achieved which represents £200,000 over a five year period.

Similarly, if it is considered that the improvements to the standards saved a day's effort on each of ten vehicle route compatibility assessments then a saving of £40,000 over five years could be achieved.

E. People, process and systems

- 4.5 The gauging calculations and assessment processes will be improved as a result of the improvements to the standards. It is likely that the revised gauging calculations and methods could involve industry in requiring minor changes to software. The costs associated with updating software has not been addressed as the complexity of the changes is unknown and it is considered not to be proportionate to price.

F. Environment and sustainability

- 4.6 Improved accuracy of gauging calculations could lead to fewer infrastructure modifications being required and therefore reduce the carbon footprint of introducing new trains to a route. However, it would be difficult and not proportionate to assign a quantified benefit that could arise from the changes to the standards owing to the complexity of the gauging related issues across the network.

G. Customer experience and industry reputation

- 4.7 The improvements to the standards will provide clear rationales for requirements which will help in applying for deviations. The content in the standards will provide the user with improved methods and processes and by addressing industry gauging issues will improve customer experience. It is not considered proportionate to define a cost benefit as it is difficult to quantify expected customer experience.

5. What is the contribution of this standards change in realising the value to industry opportunity?

- 5.1 The key contribution of this standards project is the improvements to the gauging methods and processes resulting. These changes will result in more consistent and accurate gauging calculations and assessments which will provide benefits associated with vehicle authorisation and route compatibility assessments. The changes to the standards relating to the PTI could potentially reduce the risk associated with slips, trips and falls on station platforms. It is judged that the resulting potential savings over a five-year period would be of the order of £1,448,500.

6. What was the effort required by RSSB to make the change?

- 6.1 This project will require the resources of an infrastructure technical specialist and a rolling stock technical specialist supported by a project manager and administrative support as necessary.
- 6.2 To facilitate gaining an industry agreed position on the key technical changes and identify industry good practice, RSSB will organise workshops to seek the input from industry during the definition and the development phases of the project.

7. Did RSSB deliver against industry's expected timescales?

Vehicle dynamic and infrastructure technical specialists and project management resources have been identified to work on this project. The project programme anticipates that publication of the revised standards by third quarter of 2022 subject to approval by the standards committees.

8. How will the industry implement the change?

- 8.1 The industry will use the updated standards in their gauging assessments and route compatibility assessments. The documents can be used to support specifications and contracts with suppliers. The changes are aimed at making the overall gauging process simpler, as well as more consistent.

9. How will RSSB assess whether the change is achieving the objectives?

- 9.1 In order to identify whether the published standards GMRT2173 issue four, RIS-2773-RST issue two and RIS-8273-RST issue one are delivering the objectives of the standards change project RSSB will:
- a) request feedback from interested system interface committees (SICs) and their subgroups including the V/S SIC, V/TE SIC and V/V SIC
 - b) monitor the number of deviations and enquires received against the standards
 - c) undertake twelve- and sixty-month reviews of the standards to identify whether they need to be updated.

Table 1: Disposition table for GMRT2173 issue three

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
Part 1 Purpose and Introduction	Part 1 Purpose and Introduction					
1.1 Purpose	1.1 Purpose				Title only	
1.1.1	1.1.1			Retained	Unchanged.	
1.1.2	1.1.2			Retained	Unchanged.	
1.1.3	1.1.3			Retained.	Redrafted to correct reference to NTSNs from TSIs.	1
1.2 Introduction	1.2 Introduction				Title only	
1.2.1 Background	1.2.1 Background				Title only.	
1.2.1.1	1.2.1.1			Retained	Unchanged.	
1.2.2 Key requirements	1.2.2 Key requirements				Title only.	
1.2.2.1	1.2.2.1			Retained.	Redrafted to correct references for equipment. Shoe gear and tripcocks have been moved to GERT8073, published in December 2020.	1
1.2.2.2	1.2.2.2			Retained	Unchanged.	1
1.2.3 Related requirements in other documents	1.2.5 Related requirements in other documents			Retained	Redrafted to correct references to documents.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
1.2.4 Supporting documents	1.2.6 Supporting documents			Retained	Redrafted to correct references to documents.	1
1.3 Approval and authorisation of this document	1.3 Approval and authorisation of this document			Retained	Redrafted with correct dates.	1
Part 2 Process to describe vehicle size	Part 2 Process to describe vehicle size					
2.1 Introduction	-				Title only.	
2.1.1	2.1.5			Retained.	Converted to guidance.	1
2.1.2	2.1.5			Retained.	Converted to guidance.	1
2.1.3	2.1.6			Retained.	Converted to guidance.	1
2.1.4	2.1.7			Retained.	Converted to guidance.	1
2.2 Defining the vehicle swept envelope	2.1 Defining the swept envelope				Title only.	
2.2.1 General requirements	-				Title only.	
2.2.1.1	2.1.1			Retained.	To improve clarity.	1
2.2.1.2	2.1.2			Retained.	To improve clarity.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
2.2.2 Rules to determine the vehicle swept envelope	2.2.2 Determining vehicle swept envelopes				Title only.	
2.2.2.1	G 2.2.13			Retained.	Converted to rationale.	1
2.2.2.2	2.2.12			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.2.3	2.2.1, G 2.2.18			Retained.	Redrafted as requirement and to improve clarity. Redrafted as guidance and to improve clarity.	1
2.2.2.4	2.2.2			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.2.5	2.2.3			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.2.6	G 2.2.19			Retained.	Redrafted as guidance and to improve clarity.	1
2.2.3 Vehicle swept envelopes	-				Title only.	
2.2.3.1	2.2.5			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.3.2	2.2.6			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.3.3	-			Withdrawn.	Requirements covered elsewhere.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
2.2.3.4	2.2.7			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.3.5	2.2.7			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.3.6	2.2.8			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.3.7	G 2.2.15, G 2.2.16			Retained.	Redrafted as rationale.	1
2.2.4 Requirements for the lower sector	2.3 The lower sector				Title only	
2.2.4.1	2.3.2			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.4.2	2.3.1			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.4.3	-			Withdrawn.	Requirement covered elsewhere.	1
2.2.4.4	2.3.3			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.4.5	2.3.4			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.4.6	2.3.5			Retained.	Retained as requirement. Redrafted to improve clarity.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
2.2.5 Requirements for the upper sector	2.4 The upper sector				Title only	
2.2.5.1	2.4.1			Retained.	Retained as requirement. Redrafted to improve clarity.	1
2.2.5.2	2.4.3			Retained.	Redrafted as rationale.	1
2.2.5.3	G 2.4.4			Retained.	Redrafted as guidance and to improve clarity.	1
2.2.6 Use of standard vehicle gauges	-				Title only	
2.2.6.1	G 2.2.23			Retained.	Redrafted as guidance.	1
2.2.6.2	G 2.2.22			Retained.	Redrafted as guidance.	1
2.2.7 Use of comparator vehicle	2.5 Use of comparator vehicle				Title only	
2.2.7.1	2.5.1			Retained.	Retained as requirement.	1
2.2.7.2	2.5.2, G 2.5.6			Retained.	Redrafted as requirement and guidance to improve clarity.	1
2.2.7.3	2.5.3, 2.5.4, G 2.5.7			Retained.	Redrafted as requirement and guidance to improve clarity.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
2.2.8 Use of absolute gauging	-				Title only	
2.2.8.1	G 2.2.24			Retained.	Redrafted as guidance.	1
2.2.8.2	G 2.2.25			Retained.	Redrafted as guidance.	1
2.2.9 Use of hybrid gauging	-				Title only	
2.2.9.1	G 2.2.27			Retained.	Redrafted as guidance.	1
2.3 Vehicle loading	2.6 Guidance on vehicle loading				Title only	
2.3.1	G 2.6.1, G 2.6.3			Retained.	Redrafted as guidance.	1
Part 3 Rules for components required to interface with the infrastructure	Part 3 Equipment required to interface with the infrastructure				Title only	
3.1 Generic requirements for new build	-				Title only	
3.1.1	-			Withdrawn.	Requirements covered elsewhere.	1
3.2 Footsteps	3.1 Footsteps				Title only	

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
3.2.1	3.1.1, G 3.1.3, G 3.1.4, G 3.1.6, G 3.1.7, G 3.1.8, G 3.1.9			Retained.	Redrafted as requirement and guidance to improve clarity.	1
3.3 Compatibility with train detection systems	3.3 Compatibility with train detection systems				Title only	
3.3.1	G 3.3.5			Retained.	Redrafted as guidance.	1
3.3.2	3.3.1, 3.3.2			Retained.	Redrafted as requirement to improve clarity.	2
3.4 Pantograph sway	3.2 Pantographs				Title only	
3.4.1	3.2.1			Retained.	Retained as requirement.	1
3.4.2	3.2.1			Retained.	Retained as requirement.	1
3.4.3	3.2.3, G 3.2.5, G 3.2.6			Retained.	Redrafted as requirement and guidance to improve clarity.	1
3.5 Pantograph encroachment		3.1 Pantograph encroachment			Title only	

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
3.5.1		G 3.1.1		Retained.	Moved to RIS-2773-RST issue two.	1
3.5.2		G 3.1.2		Retained.	Moved to RIS-2773-RST issue two.	1
3.5.3		G 3.1.3		Retained.	Moved to RIS-2773-RST issue two.	1
3.5.4		G 3.1.4		Retained.	Moved to RIS-2773-RST issue two.	1
3.5.5		G 3.1.5		Retained.	Moved to RIS-2773-RST issue two.	1
3.5.6		G 3.1.6		Retained.	Moved to RIS-2773-RST issue two.	1
3.5.7		G 3.1.7		Retained.	Moved to RIS-2773-RST issue two.	1
3.6 Shoegear			4.3.1 Swept envelope for shoegear		Title only	
3.6.1			4.3.1.1, 4.3.1.2	Retained.	Moved to GERT8073 issue four published in December 2020.	1
3.7 Tripcocks			4.3.2 Location of tripcocks		Moved to GERT8073 issue four published in December 2020.	1
3.7.1			4.3.2.1, G 4.3.2.2, G 4.3.2.3	Retained.	Moved to GERT8073 issue four published in December 2020.	1
Part 4 Recording vehicle data	Part 4 Recording vehicle data for the gauging portfolio				Title only	

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
4.1 Vehicle data for gauging compatibility	4.1 Information required for creating the gauging portfolio				Title only	
4.1.1 Introduction	-				Title only	
4.1.1.1				Withdrawn.	Requirement is covered by requirements in the new issue.	1
4.1.2 Information required for gauging compatibility assessment	4.1 Information required for creating the gauging portfolio				Title only.	
4.1.2.1	4.1.1			Retained.	Retained as requirement.	1
4.1.2.2	4.1.2			Retained.	Retained as requirement.	1
4.1.2.3	G 4.1.2.3			Retained.	Redrafted as guidance.	1
4.1.2.4	G 4.1.2.4			Retained.	Redrafted as guidance.	1
4.1.3 Vehicle diagram	4.2 Vehicle diagram				Title only.	
4.1.3.1	4.2.1			Retained.	Retained as requirement.	1
4.1.3.2	4.2.2			Retained.	Retained as requirement.	1
4.1.3.3	4.2.3			Retained.	Redrafted as requirement.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
4.1.3.4	4.2.4, G 4.2.6			Retained.	Redrafted as requirement and guidance.	1
4.1.3.5	G 4.2.7			Retained.	Redrafted as guidance.	1
4.1.4 Vehicle summary drawing	4.3 Vehicle summary drawing				Title only.	
4.1.4.1	4.3.1			Retained.	Redrafted as requirement.	1
4.1.5 Vehicle body plan view	4.4 Vehicle body plan view				Title only.	
4.1.5.1	4.4.1, 4.4.2, 4.4.3			Retained.	Redrafted as requirement.	1
4.1.6 Vehicle cross sectional profiles	4.5 Vehicle cross sectional profiles				Title only.	
4.1.6.1	4.5.1			Retained.	Redrafted as requirement.	1
4.1.6.2	4.5.2			Retained.	Redrafted as requirement.	1
4.1.6.33	4.5.3			Retained.	Redrafted as requirement.	1
4.1.7 Vehicle swept envelopes	4.6 Vehicle swept envelopes				Title only.	
4.1.7.1	4.6.1			Retained.	Redrafted as requirement.	1
4.1.7.2	4.6.2			Retained.	Redrafted as requirement.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
4.1.7.3	4.6.3, 4.6.4, 4.6.5			Retained.	Redrafted as requirements to improve clarity.	1
Part 5 Application of this document					Title only.	
Appendix A Footstep position	-				Title only.	
A.1	-			Withdrawn	Title only.	
A.1.1	3.1.1			Retained.	Incorporated into 3.1.1 as a requirement.	1
Appendix B Swept envelope for shoegear			4.3.1 Swept envelope for shoegear	Retained.	Title only.	
B.1 Swept envelope for shoegear			-		Title only.	
B.1.1			Figure 4	Retained.	Moved to GERT8073 issue four published in December 2020.	1
Appendix C Location of tripcock			4.3.2	Retained. Title only.		
C.1 Location of tripcock			-			

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
C.1.1			Figure 5	Retained.	Moved to GERT8073 issue four published in December 2020.	1
Appendix D Vehicle diagram format			-	Removed.		
D.1 Vehicle diagram format			-		Title only.	
D.1.1	4.2, Figure 2			Retained	Incorporated into 4.2 as guidance.	1
Appendix E Method of assessment for pantograph sway	Appendix A Method of assessment for pantograph sway				Title only.	
E.1 Basic principle	A.1 Basic principle				Title only.	
E.1.1	A.1.1, A.1.4			Retained.	Redrafted as requirement and rationale.	1
E.1.2	A.1.2			Retained.	Redrafted as requirement.	1
E.1.3	A.1.2			Retained.	Redrafted as requirement.	1
E.1.4	G A.1.5			Retained.	Redrafted as guidance.	1
E.2 Dynamic simulation	A.2				Title only.	

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
E.2.1 Vehicle model	A.2				Title only.	
E.2.1.1	A.2.1.1, A.2.1.2, A.2.1.3			Retained.	Redrafted as requirement.	1
E.2.2 Track irregularity files (track roughness)	A.2.2 Track irregularity files (track roughness)				Title only.	
E.2.2.1	A.2.2.1, A.2.2.2, G A.2.2.5			Retained.	Redrafted as requirements to improve clarity.	1
E.2.2.2	G A.2.2.3			Retained.	Redrafted as rationale.	1
E.2.3 Track design files (installed cant)	A.2.3 Track design files (installed cant)				Title only.	
E.2.3.1	A.2.3.1, A.2.3.2			Retained.	Redrafted as requirements to improve clarity.	1
E.2.4 Contact conditions	A.2.4 Contact conditions				Title only.	

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
E.2.4.1	A.2.4.1, A.2.4.2, A.2.4.3, A.2.4.4, A.2.4.5, G A.2.4.7			Retained.	Redrafted as requirements and guidance to improve clarity.	1
E.2.5 Vehicle speed	A.2.5 Vehicle speed				Title only.	
E.2.5.1	A.2.5.1, A.2.5.2			Retained.	Redrafted as requirements and guidance to improve clarity.	1
E.2.6 Wind modelling	A.2.6 Wind modelling				Title only.	
E.2.6.1	A.2.6.1			Retained.	Retained as requirement.	1
E.2.6.2	A.2.6.2			Retained.	Retained as requirement.	1
E.2.6.3	A.2.6.3			Retained.	Retained as requirement.	1
E.2.6.4	A.2.6.4, A.2.6.5			Retained.	Redrafted as requirements.	1
E.2.7 Aerodynamic coefficient data	A.2.7 Aerodynamic coefficient data				Title only.	
E.2.7.1	A.2.7.1			Retained.	Retained as requirement.	1
E.2.8 Matrix of run cases	A.2.8 Matrix of run cases				Title only.	
E.2.8.1	A.2.8.1			Retained.	Retained as requirement.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
E.2.8.2	A.2.8.2			Retained.	Retained as requirement.	1
E.2.8.3	A.2.8.3			Retained.	Retained as requirement.	1
E.2.8.4	A.2.8.4			Retained.	Retained as requirement.	1
E.2.9 Required predictions	A.2.9 Required predictions				Title only.	
E.2.9.1	A.2.9.1			Retained.	Retained as requirement.	1
E.2.9.2	A.2.9.2			Retained.	Retained as requirement.	1
E.2.9.3	A.2.9.3			Retained.	Retained as requirement.	1
E.2.10 Post- processing	A.2.10 Post- processing				Title only.	
E.2.10.1	A.2.10.1, A.2.10.2			Retained.	Redrafted as requirements.	1
E.2.11 Benchmark limit values	A.2.11 Benchmark limit values				Title only.	
E.2.11.1	A.2.11.1			Retained.	Retained as guidance.	1
E.2.12 Comparison of pantograph sway	A.2.12 Comparison of pantograph sway				Title only.	
E.2.12.1	A.2.12.1			Retained.	Redrafted as requirement.	1
E.2.12.2	G A.2.12.3			Retained.	Redrafted as guidance to improve clarity.	1

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
E.2.13 Limited compatibility for less wind exposed routes	A.2.13 Limited compatibility for less wind exposed routes				Title only.	
E.2.13.1	A.2.13.1			Retained.	Redrafted as requirement.	1
E.2.13.2	A.2.13.2			Retained.	Redrafted as requirement.	1
E.2.14 Comparative pantograph sway assessment using other existing vehicles	A.2.14 Comparative pantograph sway assessment using other existing vehicles				Title only.	
E.2.14.1	A.2.14.1, A.2.14.2, A.2.14.3			Retained	Redrafted as requirements to improve clarity.	1
E.2.14.2	A.2.14.4, A.2.14.5			Retained	Redrafted as requirements to improve clarity.	1
E.2.14.3	A.2.14.6			Retained	Retained as requirement.	1
E.2.15 Benchmark vehicle characteristics	A.2.15 Benchmark vehicle characteristics				Title only.	

From GMRT2173 issue three	To GMRT2173 issue four	To RIS-2773-RST issue two	To GERT8073 issue four	Way forward	Comments	Objective
E.2.15.1	A.2.15.1, G A.2.15.2, G A.2.15.5			Retained	Redrafted as requirements and guidance to improve clarity.	1
Definitions				Revised		1
References				Revised		1

Table 2: Disposition table for GMRT2173 issue four - new clauses

From N/A	To GMRT2173 issue four	Way forward	Comments	Objective
N/A	1.2.3	New	Standard text	1
N/A	1.2.4	New	Standard text	1
N/A	G 2.1.4	New	Rationale added	1
N/A	G 2.1.6	New	Guidance added	1
N/A	G 2.1.7	New	Guidance added	1
N/A	G 2.1.8	New	Guidance added	1
N/A	G 2.1.9	New	Guidance added	1
N/A	2.2.10	New	Requirement added	1
N/A	G 2.2.17	New	Rationale added	1
N/A	G 2.2.26	New	Guidance added	1
N/A	G 2.3.7	New	Rationale added	1
N/A	G 2.3.8	New	Guidance added	1
N/A	G 2.3.9	New	Guidance added	1
N/A	G 2.5.5	New	Rationale added	1
N/A	G 2.6.2	New	Guidance added	1
N/A	G 2.6.4	New	Guidance added	1
N/A	G 2.6.5	New	Guidance added	1
N/A	G 2.6.6	New	Guidance added	1
N/A	G 2.6.7	New	Guidance added	1
N/A	G 3.1.2	New	Rationale added	1
N/A	G 3.1.5	New	Guidance added	

From N/A	To GMRT2173 issue four	Way forward	Comments	Objective
N/A	G 3.2.4	New	Rationale added	1
N/A	G 3.2.6	New	Guidance added	1
N/A	G 3.2.7	New	Guidance added	1
N/A	G 3.2.8	New	Guidance added	1
N/A	G 3.2.9	New	Guidance added	1
N/A	G 3.3.3	New	Rationale added	1
N/A	G 3.3.4	New	Rationale added	2
N/A	G 3.3.6	New	Guidance added	2
N/A	G 3.3.7	New	Guidance added	2
N/A	G 3.3.9	New	Guidance added	N/A
N/A	G 4.1.3	New	Rationale added	N/A
N/A	G 4.3.2	New	Rationale added	N/A
N/A	G 4.3.3	New	Guidance added	N/A
N/A	G 4.4.4	New	Rationale added	N/A
N/A	G 4.4.5	New	Guidance added	N/A
N/A	G 4.5.4	New	Rationale added	N/A
N/A	G 4.5.5	New	Rationale added	N/A
N/A	G 4.5.6	New	Guidance added	N/A
N/A	G 4.6.6	New	Rationale added	N/A
N/A	G 4.6.7	New	Guidance added	N/A
N/A	G 4.6.8	New	Guidance added	N/A
N/A	G 4.6.9	New	Guidance added	N/A

From N/A	To GMRT2173 issue four	Way forward	Comments	Objective
N/A	G A.2.1.4	New	Rationale added	N/A
N/A	G A.2.2.4	New	Rationale added	N/A
N/A	G A.2.3.3	New	Rationale added	N/A
N/A	G A.2.4.6	New	Rationale added	N/A
N/A	G A.2.5.3	New	Rationale added	N/A
N/A	G A.2.6.6	New	Rationale added	N/A
N/A	G A.2.7.2	New	Rationale added	N/A
N/A	G A.2.8.5	New	Rationale added	N/A
N/A	G A.2.9.4	New	Rationale added	N/A
N/A	G A.10.3	New	Rationale added	N/A
N/A	G A.2.12.2	New	Rationale added	N/A
N/A	G A.2.13.3	New	Rationale added	N/A
N/A	G A.2.14.7	New	Rationale added	N/A
N/A	G A.2.15.2	New	Rationale added	N/A
N/A	G A.2.15.4	New	Guidance added	N/A
N/A	Appendix B	New	Informative appendix added as a summary of outputs of RSSB Research Project T1196 – Development of a Suite of Pantograph Gauges	N/A
N/A	Appendix C	New	Informative appendix added as outputs of RSSB Research Project T1109 – Benchmark Suspension Characteristics	N/A

Table 3: Disposition table for RIS-2773-RST issue one

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
Part 1 Purpose and Introduction				Retained	Title only	1, 4
1.1		1.1		Retained	Title only	1, 4
1.1.1		1.1.1		Retained	Redrafted to improve clarity	1, 4
1.1.2		1.1.2, 1.1.3		Retained	Redrafted as 2 different clauses to improve clarity	1, 4
1.1.3		-		Withdrawn	Withdrawn as no longer applicable to issue two.	1, 4
1.1.4		-		Withdrawn	Withdrawn as no longer applicable to issue two.	1, 4
1.1.5		-		Withdrawn	Withdrawn as no longer applicable to issue two.	1, 4
1.2		-		Retained	Title only – Format changed to record related documents at end of document.	1, 4
1.2.1		-				1, 4
1.2.2		-				1, 4
1.2.3		-				1, 4
1.3		1.2		Retained	Title only – Format changed	1, 4
1.3.1		-				1, 4
1.3.2		-				1, 4
1.3.3		-				1, 4
1.4		1.3		Retained	Title only – Format changed	1, 4
1.4.1		1.3.1		Retained	Retained as information	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
1.5		-		Withdrawn	Copyright No longer used	1, 4
1.5.1		-		Withdrawn	Copyright No longer used	1, 4
1.5.2		-		Withdrawn	Copyright No longer used	1, 4
1.5.3		-		Withdrawn	Copyright No longer used	1, 4
1.6		1.5		Retained	Title only	1, 4
1.6.1		1.5.1		Retained	Retained as information	1, 4
1.6.2		1.5.2		Retained	Retained as information	1, 4
Part 2 Requirements for Completing Worksheets				Retained	Title only	1, 4
2.1 Data media				Retained	Title only	1, 4
2.1.1		2.1.1		Retained	Retained as requirement	1, 4
G 2.1.1.1		G 2.1.7		Retained	Redrafted to highlight each worksheet within the workbook	1, 4
G 2.1.1.2		G 2.1.8		Retained	Retained as guidance	1, 4
G 2.1.1.3		G 2.1.9		Retained	Retained as guidance	1, 4
G 2.1.1.4		G 2.1.11		Retained	Retained as guidance	1, 4
G 2.1.1.5		G 2.1.3		Retained	Retained as rationale	1, 4
G 2.1.1.6		2.1.2		Retained	Redrafted as a requirement	1, 4
2.2 General worksheet		2.2 General worksheet		Retained	Title only.	1, 4
G 2.2.1.1		G 2.2.1		Retained	Retained as guidance.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
2.3 Cross section worksheets		2.3 Cross section worksheets		Retained	Title only.	1, 4
2.3.1 Cross section points		2.3.1 Cross section points		Retained	Title only.	1, 4
2.3.1.1		2.3.1.1, 2.3.1.2, 2.3.1.3		Retained	Redrafted as 3 individual requirements to improve clarity.	1, 4
G 2.3.1.1.1		G 2.3.1.7, G 2.3.1.8, G 2.3.1.9 G 2.3.1.10		Retained	Redrafted as 4 individual guidance clauses to improve clarity.	1, 4
G 2.3.1.1.2		G 2.3.1.13		Retained	Retained as guidance.	1, 4
G 2.3.1.1.3		G 2.3.1.14		Retained	Retained as guidance.	1, 4
2.3.1.2		2.3.1.4		Retained	Retained as requirement.	1, 4
2.3.1.3		2.3.1.5		Retained	Retained as requirement.	1, 4
2.3.2 Bogies		2.3.2 Bogies		Retained	Title only.	1, 4
2.3.2.1		2.3.2.1		Retained	Redrafted to improve clarity.	1, 4
G 2.3.2.1.1		G 2.3.2.2		Retained.	Redrafted as rationale.	1, 4
2.3.3 Use of gauge lines or actual vehicle profiles		2.3.3 Use of gauge lines or actual vehicle profiles		Retained	Title only.	1, 4
2.3.3.1		2.3.3.1		Retained	Redrafted to improve clarity.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
G 2.3.3.1.1		G 2.3.3.2, G 2.3.3.3		Retained	Redrafted as rationale and requirement to improve clarity.	1, 4
2.4 Layers worksheet		2.4 Layers worksheet		Retained	Title only.	1, 4
G 2.4.1.1		G 2.4.1		Retained	Retained as guidance.	1, 4
2.5 Overthrow worksheet		2.5 Overthrow worksheet		Retained	Title only	1, 4
2.5.1		2.5.1		Retained	Redrafted to improve clarity.	1, 4
G 2.5.1.1		G 2.5.2		Retained	Redrafted to improve clarity and changed to rationale.	1, 4
G 2.5.1.2		G 2.5.3		Retained	Retained as guidance.	1, 4
G 2.5.1.3		G 2.5.4, G 2.5.5		Retained	Redrafted as 2 individual clauses to improve clarity.	1, 4
2.6 Dynamic analysis		2.6 Dynamic analysis		Retained	Title only	1, 4
2.6.1 Dynamic analysis worksheets		2.6.1 Dynamic analysis worksheets		Retained	Title only	1, 4
2.6.1.1		2.6.1.1		Retained	Retained as requirement, example added to improve clarity.	1, 4
G 2.6.1.1.1		G 2.6.1.3		Retained	Redrafted as guidance.	1, 4
G 2.6.1.1.2		2.6.2.6, G 2.6.2.8, G 2.6.2.9		Retained	Redrafted as a requirement and further guidance added to explain what parameters are considered.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
2.6.2 Dynamic analysis fundamentals		2.6.2 Dynamic analysis fundamentals		Retained	Title only	1, 4
2.6.2.1		2.6.2.1		Retained.	Retained as requirement.	1, 4
G 2.6.2.1.1		G 2.6.2.16		Retained	Retained as guidance	1, 4
2.6.2.2		2.6.2.2		Retained	Redrafted to correct reference.	1, 4
2.6.2.3		2.6.2.3		Retained	Retained as requirement.	11, 4
G 2.6.2.3.1		G 2.6.2.11		Retained	Retained as guidance.	11, 4
2.6.2.4		2.6.2.4		Retained	Retained as requirement.	1, 4
G 2.6.2.4.1		G 2.6.2.13		Retained	Redrafted as guidance to correct reference.	1, 4
G 2.6.2.4.2		G 2.6.2.14		Retained	Retained as guidance.	1, 4
G 2.6.2.4.3		G 2.6.2.15		Retained	Retained as guidance.	1, 4
2.6.2.5		2.6.2.5		Retained	Redrafted to improve clarity.	1, 4
2.6.3 Ruling case vehicles		2.6.3 Ruling case vehicles		Retained	Title only.	1, 4
G 2.6.3.1		G 2.6.3.1		Retained	Retained as guidance.	1, 4
G 2.6.3.2		G 2.6.3.2		Retained	Retained as guidance.	1, 4
2.6.4 Inputs for dynamic analysis – track analysis		2.6.4 Inputs for dynamic analysis – track analysis		Retained	Title only.	1, 4
2.6.4.1		2.6.4.1		Retained	Redrafted to improve clarity.	1, 4
G 2.6.4.1.1		G 2.6.4.8		Retained	Retained as guidance.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
2.6.4.2		2.6.4.2		Retained	Retained as requirement.	1, 4
2.6.4.3		2.6.4.3		Retained	Retained as requirement.	1, 4
2.6.4.4		2.6.4.4		Retained	Retained as requirement.	1, 4
G 2.6.4.4.1		G 2.6.4.9		Retained	Retained as guidance.	1, 4
G 2.6.4.4.2		G 2.6.4.10		Retained.	Redrafted to improve clarity on how to find the files.	1, 4
2.6.5 Inputs for dynamic analysis – installed cant		2.6.5 Inputs for dynamic analysis – installed cant		Retained	Title only	1, 4
2.6.5.1		2.6.5.1		Retained	Retained as requirement.	1, 4
2.6.5.2		2.6.5.2		Retained	Retained as requirement.	1, 4
G 2.6.5.2.1		G 2.6.5.22		Retained	Redrafted to improve clarity.	1, 4
2.6.5.3		2.6.5.3		Retained	Retained as requirement.	1, 4
G 2.6.5.3.1		G 2.6.5.20		Retained	Redrafted as rationale.	1, 4
G 2.6.5.3.2		G 2.6.5.22		Retained	Redrafted to improve clarity (combined with G 2.6.5.2.1.)	1, 4
2.6.5.4		2.6.5.4		Retained	Retained as requirement.	1, 4
G 2.6.5.4.1		G 2.6.5.21		Retained	Retained and converted to rationale.	1, 4
G 2.6.5.4.2		G 2.6.5.23		Retained	Retained as guidance.	1, 4
2.6.5.5		2.6.5.5		Retained	Retained as requirement.	1, 4
2.6.5.6		2.6.5.7		Retained	Redrafted to improve clarity.	1, 4
G 2.6.5.6.1		G 2.6.6.1.5		Retained	Redrafted to improve clarity.	1, 4
2.6.5.7		2.6.5.8		Retained	Retained as requirement.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
G 2.6.5.7.1		G 2.6.5.24		Retained	Redrafted to improve clarity.	1, 4
2.6.5.8		2.6.5.9		Retained	Retained as requirement.	1, 4
2.6.5.9		2.6.5.10		Retained	Retained as requirement.	1, 4
2.6.5.10		2.6.5.12		Retained	Retained as requirement	1, 4
G 2.6.5.10.1		G 2.6.5.25		Retained	Retained as guidance.	1, 4
2.6.5.11		2.6.5.13		Retained.	Redrafted to improve clarity.	1, 4
G 2.6.5.11.1		G 2.6.5.26		Retained.	Retained as guidance.	1, 4
G 2.6.5.11.2		NA		Withdrawn	Industry deemed the guidance no longer useful.	1, 4
2.6.5.12		2.6.5.14		Retained.	Retained as requirement.	1, 4
G 2.6.5.12.1		2.6.5.17		Retained.	Redrafted as a requirement.	1, 4
G 2.6.5.12.2		G 2.6.5.27		Retained.	Redrafted to correct reference.	1, 4
2.6.5.13		2.6.5.15		Retained.	Retained as requirement.	1, 4
G 2.6.5.13.1		G 2.6.5.28		Retained	Retained as guidance.	1, 4
2.6.5.14		2.6.5.16		Retained.	Retained as requirement.	1, 4
G 2.6.5.14.1		G 2.6.5.29		Retained.	Retained as guidance.	1, 4
2.6.5.15		2.6.5.17, 2.6.5.18		Retained.	Redrafted as 2 requirements for improved clarity.	1, 4
2.6.5.16		2.6.5.19		Retained.	Retained as requirement.	1, 4
G 2.6.5.16.1		G 2.6.5.30		Retained.	Retained as guidance.	1, 4
G 2.6.5.16.2		G 2.6.5.31		Retained.	Redrafted to improve clarity.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
2.6.6 Curving analysis of wheelset movements		2.6.6 Curving analysis of wheelset movements		Retained	Title only.	1, 4
2.6.6.1		G 2.6.6.9, G 2.6.6.10		Retained.	Redrafted and split between other requirements and rationale.	1, 4
G 2.6.6.1.1		G 2.6.6.11		Retained.	Retained as guidance.	1, 4
G 2.6.6.1.2		G 2.6.6.12		Retained.	Retained as guidance.	1, 4
2.6.6.2		2.6.6.1, 2.6.6.2		Retained.	Redrafted as two separate requirements to improve clarity.	1, 4
2.6.6.3		2.6.6.3		Retained.	Retained as requirement.	1, 4
2.6.6.4		2.6.6.5		Retained.	Retained as requirement.	1, 4
G 2.6.6.4.1		G 2.6.6.13		Retained.	Redrafted as guidance to improve clarity.	1, 4
2.6.6.5		2.6.6.6		Retained.	Redrafted to improve clarity.	1, 4
G 2.6.6.5.1		G 2.6.6.14		Retained.	Retained as guidance.	1, 4
G 2.6.6.5.2		G 2.6.6.16		Retained.	Retained as guidance.	1, 4
G 2.6.6.5.3		G 2.6.6.17		Retained.	Retained as guidance.	1, 4
G 2.6.6.5.4		G 2.6.6.18		Retained.	Retained as guidance.	1, 4
2.6.6.6		2.6.6.7		Retained.	Redrafted to improve clarity.	1, 4
G 2.6.6.6.1		G 2.6.6.19		Retained.	Retained as guidance.	1, 4
G 2.6.6.6.2		G 2.6.6.20		Retained.	Redrafted to improve clarity.	1, 4
G 2.6.6.6.3		G 2.6.6.21		Retained.	Redrafted to improve clarity.	1, 4
2.6.6.7		2.6.6.8		Retained.	Retained as requirement.	1, 4

From RIS-2773-RST issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
G 2.6.6.7.1		G 2.6.6.22		Retained	Redrafted and combined with G 2.6.6.7.2.	1, 4
G 2.6.6.7.2		G 2.6.6.22		Retained.	Redrafted to improve clarity.	1, 4
2.6.7 Curving analysis of wheelset movements – wheelset lateral movement table		2.6.7 Curving analysis of wheelset movements – wheelset lateral movement table		Retained	Title only.	1, 4
2.6.7.1		2.6.7.1		Retained.	Redrafted to improve clarity	1, 4
G 2.6.7.1.1		G 2.6.7.4		Retained.	Redrafted to improve clarity.	1, 4
G 2.6.7.1.2		G 2.6.7.5		Retained.	Redrafted to improve clarity.	1, 4
G 2.6.7.1.3		G 2.6.7.6		Retained.	Retained as guidance.	1, 4
2.6.7.2		2.6.7.2		Retained.	Redrafted to improve clarity.	1, 4
2.7 The tolerances worksheet		2.7 The tolerances worksheet		Retained	Title only.	1, 4
2.7.1		2.7.1		Retained.	Redrafted to improve clarity.	1, 4
G 2.7.1.1		G 2.7.4		Retained.	Redrafted to improve clarity.	1, 4
Definitions				Revised.		1
References				Revised.		1

Table 4: Disposition table for RIS-2773-RST - new clauses

From N/A	To RIS-2773-RST issue two	Way forward	Comments	Objective
N/A	G 2.1.4	New	Rationale added	1, 4
N/A	G 2.1.5	New	Guidance on compliance added	1, 4
N/A	G 2.1.6	New	Guidance on ruling case vehicles added	1, 4
N/A	G 2.1.10	New	Guidance on how to find the Standard Vehicle Gauging Data Worksheets.	1, 4
N/A	G 2.3.1.6	New	Rationale on cross-sections added	1, 4
N/A	G 2.3.1.11	New	Guidance on the 'Step' attribute added	1, 4
N/A	G 2.3.1.12	New	Guidance on the longitudinal datum added	1, 4
N/A	G 2.3.2.3	New	Guidance on bogie movements added	1, 4
N/A	G 2.4.2	New	Guidance on static movements added	1, 4
N/A	G 2.5.6	New	Guidance on range of curve radii added	1, 4
N/A	G 2.6.1.2	New	Rationale on running conditions added	1, 4
N/A	G 2.6.1.4	New	Guidance on bogie movements added	1, 4
N/A	G 2.6.2.7	New	Rationale on MBS modelling added	1, 4
N/A	G 2.6.2.10	New	Guidance on deflated suspension cases added	1, 4
N/A	G 2.6.2.12	New	Guidance on loading definitions added	1, 4
N/A	2.6.4.5	New	Requirement to record details of track data added	1, 4
N/A	G 2.6.4.6	New	Rationale on track data added	1, 4
N/A	G 2.6.4.7	New	Guidance on track data added	1, 4
N/A	G 2.6.4.11	New	Guidance on track data added	1, 4
N/A	2.6.5.6	New	Requirement to record the coefficient of friction added	1, 4

From N/A	To RIS-2773-RST issue two	Way forward	Comments	Objective
N/A	2.6.5.11	New	Requirement for datum points added	1, 4
N/A	2.6.6.4	New	Requirement for wheel / rail profiles added	1, 4
N/A	G 2.6.7.3	New	Rationale on wheelset curving added	1, 4
N/A	G 2.7.3	New	Rationale on tolerances and allowances added	1, 4
N/A	G.2.7.4	New	Guidance on non-standard distributions added	1, 4
N/A	G 4.4.5	New	Guidance on intermediate β values added	1, 4
N/A	G 4.4.6	New	Guidance on tabulated coefficient values added	1, 4

Table 5: Disposition table for GERT8273 issue one

From GERT8273 issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
1.1 Purpose					Title only	
1.1.1					Standard text	
1.1.2			1.1.2	No change		
1.1.3			1.1.3	Redrafted	Reflects change from RGS to RIS	1
1.1.4			2.1.1 & 2.1.2	Redrafted	Redrafted for clarity	1
1.1.5			1.1.4	No change		
1.2 Introduction					Title only	
1.2.1 Background					Title only	
1.2.1.1			G 2.1.6	Convert to guidance		1
1.2.1.2				Withdrawn	Covered elsewhere	1
1.2.1.3				Withdrawn	Covered elsewhere	1
1.2.2 Related requirements in other documents					Title only	
1.2.2.1				Withdrawn	Covered elsewhere	1

From GERT8273 issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
1.2.3 Supporting documents					Title only	
1.2.3.1				Withdrawn	Covered elsewhere	1
1.3 Approval and authorisation of this document					Title only	
1.3.1				Withdrawn	Reflects change from RGS to RIS	1
1.3.2				Withdrawn	Reflects change from RGS to RIS	1
Part 2 Processes for the Assessment of Gauging Compatibility for Rolling Stock and Infrastructure					Title only	
2.1 Introduction					Title only	
2.1.1			2.1.3	No change		
2.1.2			2.1.4	Redrafted		1

From GERT8273 issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
2.1.3			G 2.1.7	Convert to guidance		1
2.2 Gauging processes					Title only	
2.2.1 Using standard vehicle gauges					Title only	
2.2.1.1			G 2.2.4	Convert to guidance		1
2.2.1.2			2.2.1	No change		
2.2.1.3			2.2.2	Redrafted	Redrafted for clarity	1
2.2.1.4			G 2.2.3	Convert to rationale		1
2.2.2 Absolute gauging					Title only	
2.2.2.1			2.3.1	Redrafted	Redrafted for clarity	1
2.2.3 Comparative gauging					Title only	
2.2.3.1			2.4.1	Redrafted	Redrafted for clarity	1

From GERT8273 issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
2.2.3.2			2.4.2	Redrafted	Redrafted for clarity	1
2.2.3.3				Withdrawn	Guidance from GEGN8573 incorporated in RIS-8273-RST directly	1
2.2.3.4			2.4.3	Redrafted	Redrafted for clarity.	1
2.2.3.5			2.4.4 & 2.4.5	Redrafted	Redrafted for clarity	1
2.2.3.6			2.4.6	Redrafted	Redrafted for clarity	1
2.2.4 Hybrid gauging					Title only	
2.2.4.1			2.5.1 & 2.5.2	Redrafted	Redrafted for clarity	1
Part 3 Platform stepping distances					Title only	
3.1 Assessment of platform stepping distances					Title only	
3.1.1			3.1.1	Redrafted	Redrafted for clarity	1
3.1.2			3.1.2	Redrafted	Redrafted for clarity	1
3.1.3			3.1.3, 3.2.1, 3.3.1, 3.4.1	Redrafted	Separated into different stages	1

From GERT8273 issue one	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue one	Way forward	Comments	Objective
3.1.4				Withdrawn	Guidance from GEGN8573 incorporated in RIS-8273-RST directly	1
Part 4 Application of this document				Revised	Whole section changed because of move from RGS to RIS	1
Definitions				Revised		1
References				Revised		1

Table 6: Disposition table for RIS-7016-INS issue 1.1

From RIS-7016-INS issue 1.1	To RIS-8273-RST issue 1	Way forward	Comments	Objective
Appendix D Platform gap fillers			Title only	
D.1 Platform gap fillers			Title only	
D 1.1	G B.1.1	No change		4
D.1.2	G B.1.2	No change		4
D.1.3	G B.1.3	No change		4
D.1.4	G B.1.4	No change		4
D.1.5	G B.1.5	No change		4
D.1.6	G B.1.6	Redrafted		4
D.1.7	G B.1.7	Redrafted		4
D.1.8	G B.1.8	No change		4
D.1.9	G B.1.9	No change		4
D.1.10	G B.1.11	No change		4
D.1.11	G B.1.12	No change		4
D.1.12	G B.1.13	No change		4
D.1.13	G B.1.14	No change		4

Table 7: Disposition table for RIS-8273-RST issue one - new clauses

From NA	To RIS-8273-RST issue 1	Way forward	Comments	Objective
NA	1.2	New	Standard text	1
NA	1.3	New	Standard text	1
NA	1.4	New	Standard text	1
NA	1.5	New	Standard text	1
NA	G 2.1.5	New	Rationale added	1
NA	G 2.1.8	New	Explain background	1
NA	G 2.1.9	New	Explain background	1
NA	G 2.1.11	New	Reference to Appendix B on Gap Fillers	1
NA	G 2.2.6	New	Additional guidance for clarity	1
NA	G.2.2.7	New	Additional guidance for clarity	1
NA	G 2.3.4	New	Explain background	1
NA	G 2.3.12	New	Reference to Appendix A for Guidance on Clearance	1
NA	G 2.4.8	New	Rationale added	1
NA	G 2.4.9	New	Additional guidance for clarity	1
NA	G 2.4.10	New	Additional guidance for clarity	1
NA	G 2.5.3	New	Rationale added	1
NA	G.2.5.5	New	Additional guidance for clarity	1
NA	G 3.1.4	New	Rationale added	1

From NA	To RIS-8273-RST issue 1	Way forward	Comments	Objective
NA	G 3.1.5	New	Reference to related document	1
NA	G 3.1.6	New	Additional guidance for clarity	4
NA	G 3.1.12	New	Reference to Appendix B on Gap Fillers	4
NA	G 3.2.2	New	Rationale added	1
NA	G 3.2.3	New	Additional guidance for clarity	4
NA	G 3.2.4	New	Additional guidance for clarity	4
NA	G 3.2.5	New	Additional guidance for clarity	4
NA	G 3.2.6	New	Additional guidance for clarity	4
NA	G 3.2.7	New	Additional guidance for clarity	4
NA	G 3.2.8	New	Additional guidance for clarity	4
NA	G 3.2.9	New	Additional guidance for clarity	4
NA	G 3.2.10	New	Additional guidance for clarity	4
NA	G 3.2.11	New	Additional guidance for clarity	4
NA	G 3.2.12	New	Additional guidance for clarity	4
NA	G.3.2.13	New	Additional guidance for clarity	4
NA	G.3.2.14	New	Additional guidance for clarity	4
NA	G 3.3.2	New	Rationale added	1
NA	G 3.3.3	New	Additional guidance for clarity	4
NA	G 3.3.5	New	Additional guidance for clarity	4
NA	G 3.4.2	New	Rationale added	1

From NA	To RIS-8273-RST issue 1	Way forward	Comments	Objective
NA	G 3.4.3	New	Additional guidance for clarity	4
NA	G 3.4.5	New	Additional guidance for clarity	4
NA	G 3.4.6	New	Additional guidance for clarity	4
NA	G 3.4.7	New	Additional guidance for clarity	4
NA	G 3.4.8	New	Additional guidance for clarity	4
NA	G 3.4.9	New	Additional guidance for clarity	4
NA	G 3.4.10	New	Additional guidance for clarity	4
NA	G 3.4.11	New	Additional guidance for clarity	4
NA	G 3.4.12	New	Additional guidance for clarity	4
NA	G 3.4.13	New	Additional guidance for clarity	4
NA	G 3.4.14	New	Additional guidance for clarity	4
NA	G 3.4.15	New	Additional guidance for clarity	4
NA	G A.4.1.1	New	New guidance referencing related RGS	1
NA	G A.4.1.2	New	New guidance referencing related RGS	1
NA	G B.1.10	New	Additional guidance for clarity	

Table 8: Disposition table for GEGN8573 issue four

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
Part 1				Retained		
Part 2 Guidance on the Gauging Principles Used in Railway Group Standards				Retained		
G 2.1 Gauging principles					Title only	
G 2.1.1				Withdrawn	Covered elsewhere	1
G 2.1.2			G 2.1.10	Redrafted	Redrafted for clarity	1
G 2.1.3			G 2.1.12, G 2.1.14	Redrafted and split	Redrafted for clarity	1
G 2.1.4			G 2.1.13	Redrafted	Redrafted for clarity	1
G 2.1.5			G 2.1.15	Redrafted	Redrafted for clarity	1
G 2.2 Ownership of tolerances and parameters					Title only	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 2.2.1 Tolerances and parameters manged by the infrastructure manager					Title only	
G 2.2.1.1			G 2.1.16	No change		1
G 2.2.1.2			G 2.1.17	No change		1
G 2.2.2 Tolerances and parameters managed by the railway undertaking					Title only	
G 2.2.2.1			G 2.1.20	No change		1
G 2.2.3 Protocols used in development of historic gauges					Title only	
G 2.2.3.1				Withdrawn	Covered elsewhere	1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
Part 3 Guidance on Gauging Processes					Title only	
G 3.1 Guidance on absolute gauging					Title only	
G 3.1.1			G 2.3.2, G 2.3.7	Redrafted	Part rationale, part guidance	1
G 3.1.2			G 2.3.6, G 2.3.8	Redrafted		1
G 3.1.3			G 2.3.5, G 2.3.8	Redrafted		1
G 3.1.4			G 2.3.3	Redrafted		1
G 3.1.5			G 2.3.10	Redrafted		1
G 3.1.6				Withdrawn	Covered elsewhere	1
G 3.1.7			G 2.3.11	No change		1
G 3.2 Guidance on comparative gauging					Title only	
G 3.2.1 Introduction					Title only	
G 3.2.1.1			G 2.4.7	Redrafted	Convert to rationale	1
G 3.2.1.2			G 2.4.11	No change		1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 3.2.1.3			G 2.4.12	Redrafted	Redrafted for clarity.	1
G 3.2.1.4			G 2.4.13	Redrafted	Redrafted for clarity.	1
G 3.2.2 Guidance on assessment of suitability of comparator vehicle					Title only	
G 3.2.2.1			G 2.4.14	Redrafted		1
G 3.2.2.2				Withdrawn	Covered elsewhere	1
G 3.2.3 Guidance on the consideration of significant and regular traffic					Title only	
G 3.2.3.1			G 2.4.15	Redrafted		1
Part 4 Clearance					Title only	
G 4.1 The purpose of clearance					Title only	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 4.1.1			G A.1.1	No change		1
G 4.1.2			G A.1.2	Redrafted		1
G 4.2 The nature of clearance					Title only	
G 4.2.1			G A.2.1	Redrafted		1
G 4.2.2			G A.2.2	No change		1
G 4.2.3			G A.2.3	No change		1
G 4.3 Clearance regimes					Title only	
G 4.3.1			G A.3.1	Redrafted	To take account of revised clearances in platform areas	1
G 4.3.2			G A.3.2	No change		1
G 4.3.3			G A.3.3	No change		1
G 4.3.4			G A.3.4	Redrafted		1
G 4.3.5			G A.3.5	Redrafted		1
G 4.3.6			G A.3.6	Redrafted		1
G 4.3.7			G A.3.7	No change		1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 4.4 Equipment that needs to be in close proximity or be in contact					Title only	
G 4.4.1 Types of equipment that need to be in close proximity or contact					Title only	
G 4.4.1.1			G A.4.2.1	Redrafted	Reference to GIRT7073	1
G 4.4.2 equipment requiring continuous contact					Title only	
G 4.4.2.1			G A.4.3.1	No change		1
G 4.4.2.2			G A.4.3.2	No change		1
G 4.4.3 Installation arrangements					Title only	
G 4.4.3.1			G A.4.4.1	No change		1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 4.4.3.2			G A.4.4.2	No change		1
G 4.4.3.3			G A.4.4.3	No change		1
G 4.4.4 Control, command and signalling equipment					Title only	
G 4.4.4.1			G A.4.5.1	No change		1
G 4.4.4.2			G A.4.5.2	No change		1
G 4.4.5 Check rails					Title only	
G 4.4.5.1			G A.4.6.1	No change		1
G 4.4.5.2			G A.4.6.2	Redrafted		1
G 4.4.6 Conductor rail					Title only	
G 4.4.6.1			G A.4.7.1	No change		1
Part 5 Positioning of New and Altered Infrastructure Adjacent to the Tracks				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 5.1 Requirements of GI/RT7073				Retained		
G 5.1.1 Positioning of new and altered infrastructure				Retained		
G 5.1.2 Alterations to infrastructure				Retained		
G 5.1.2.1				Retained		
G 5.1.2.2				Retained		
G 5.1.3 Temporary infrastructure				Retained		
G 5.1.3.1				Retained		
G 5.1.3.2				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 5.1.4 Guidance on determining the relative positions of tracks and structures				Retained		
G 5.1.4.1				Retained		
G 5.1.4.2				Retained		
G 5.1.4.3				Retained		
G 5.1.4.4				Retained		
G 5.2 Interface between GI/RT7073 and other Railway Group Standards				Retained		
G 5.2.1				Retained		
G 5.2.2				Retained		
G 5.3 Track system requirements				Retained		
G 5.3.1				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 5.3.2				Retained		
G 5.4 Personal safety				Retained		
G 5.4.1				Retained		
G 5.5 Electrical protective provisions				Retained		
G 5.5.1				Retained		
G 5.5.2				Retained		
G 5.5.3				Retained		
G 5.5.4				Retained		
G 5.5.5				Retained		
G 5.6 Signal positioning and visibility				Retained		
G 5.6.1				Retained		
G 5.7 Station platforms				Retained		
G 5.7.1				Retained		
G 5.7.2				Retained		
G 5.7.3				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 5.7.4				Retained		
G 5.8 Provision for the future				Retained		
G 5.8.1				Retained		
Part 6 structure Gauges				Retained		
G 6.1 National structure gauges				Retained		
G 6.1.1				Retained		
G 6.1.2				Retained		
G 6.1.3				Retained		
G 6.2 Lateral clearances				Retained		
G 6.2.1 Basis for lateral clearances				Retained		
G 6.2.1.1				Retained		
G 6.2.2 Allowance for access				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 6.2.2.1				Retained		
G 6.2.3 Allowance for platforms				Retained		
G 6.2.3.1				Retained		
G 6.2.3.2				Retained		
G 6.2.4 Allowance for tilting trains				Retained		
G 6.2.4.1				Retained		
G 6.2.5 Allowance for electrification				Retained		
G 6.2.5.1				Retained		
G 6.2.5.2				Retained		
G 6.3 Vertical clearances				Retained		
G 6.3.1 Basis for vertical clearances				Retained		
G 6.3.1.1				Retained		
G 6.3.1.2				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 6.3.2 Routes where 25 kV overhead electrification is not foreseeable				Retained		
G 6.3.2.1				Retained		
G 6.3.2.2				Retained		
G 6.3.3 Existing routes with 25 kV overhead electrification				Retained		
G 6.3.3.1				Retained		
G 6.3.3.2				Retained		
G 6.3.3.3				Retained		
G 6.3.3.4				Retained		
G 6.3.3.5				Retained		
G 6.3.4 Factors to be allowed for on 25 kV overhead line equipment routes				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 6.3.4.1				Retained		
G 6.3.4.2				Retained		
G 6.3.5 Allowance for vertical deflections of bridges				Retained		
G 6.3.5.1				Retained		
Part 7						
G 7.1 Static pantograph gauges					Title only	
G 7.1.1		G 3.3.1		No change		
G 7.1.2		G 3.3.2		No change		
G 7.1.3		G 3.3.3		No change		
G 7.1.4		G 3.3.4		No change		
G 7.1.5		G 3.3.5		No change		
G 7.1.6		G 3.3.6		No change		
G 7.2 Dynamic pantograph gauging				No change	Title only	1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 7.2.1		G 3.2.1		No change		1
G 7.2.2		G 3.2.2		No change		1
G 7.2.3		G 3.2.3		No change		1
G 7.2.4		G 3.2.4		No change		1
G 7.2.5		G 3.2.5		No change		1
G 7.2.6		G 3.2.6		No change		1
G 7.2.7		G 3.2.7		No change		1
G 7.2.8		G 3.2.8, G 3.2.9		Retained	Note transferred to a new clause	1
G 7.2.9		G 3.2.10		No change		1
Part 8 Guidance on Platform Stepping Distances					Title only	
G 8.1 Industry practice on calculating platform stepping distances					Title only	
G 8.1.1.1				Withdrawn	Covered elsewhere	1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 8.1.1.2			G 3.3.4	No change		1
G 8.1.1.3			G 3.1.7	No change	Wrongly numbered in GEGN8573	1
G 8.1.2 Guidance on calculation of stepping distances					Title only	
G 8.1.2.1			G 3.3.6	Redrafted		1
G 8.1.2.2			G 3.3.7, G 3.4.4	Redrafted		1
G 8.1.2.3			G 3.3.8	No change		1
G 8.1.2.4			G 3.1.8	Redrafted		1
G 8.1.2.5			G 3.1.9	No change		1
G 8.1.2.6			G 3.1.10	No change		1
G 8.1.2.7			G 3.3.9	Redrafted		1
G 8.1.2.8			G 3.3.10	No change		1
G 8.1.2.9			G 3.1.11	No change		1
G 8.2 Guidance on assessing platform stepping distances					Title only	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 8.2.1			G 3.1.13	No change		1
G 8.2.2			G 3.1.14	No change		1
G 8.2.3			G 3.1.15	No change		1
G 8.2.4			G 3.1.16	Redrafted	Reference to NTSN in place of TSI	1
G 8.2.5			G 3.1.17	No change		1
G 8.2.6			G 3.4.16	No change		1
G 8.2.7			G 3.1.18	No change		1
G 8.2.8			G 3.1.19	No change		1
Part 9 Standard Vehicle Gauges					Title only	
G 9.1 Standard vehicle gauges					Title only	
G 9.1.1			G 2.2.5	Redrafted		1
G 9.1.2				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.1.3				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.2 Vehicle designations				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.2.1				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.3 Special vehicle gauges				Redrafted	Moved to GERT8073 issue four published in December 2020	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 9.3.1				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.3.2				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.3.3				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.3.4				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.4 Wagon- load combinations				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.4.1				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5 Guidance on application to railway undertakings				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.1				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.2				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.3				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.4				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.5				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.6				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.5.7				Redrafted	Moved to GERT8073 issue four published in December 2020	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 9.6 Guidance on application to infrastructure managers				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.1				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.2				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.3				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.4				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.5				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.6				Redrafted	Moved to GERT8073 issue four published in December 2020	
G 9.6.7				Redrafted	Moved to GERT8073 issue four published in December 2020	
Part 10 Guidance on Considerations for Development of New Vehicle Gauges				Retained		
G 10.1 An introduction to gauges				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 10.1.1 Introduction				Retained		
G 10.1.1.1				Retained		
G 10.1.1.2				Retained		
G 10.1.2 What is a gauge?				Retained		
G 10.1.2.1				Retained		
G 10.2 Developing an appropriate gauge				Retained		
G 10.2.1				Retained		
G 10.2.2				Retained		
G 10.2.3				Retained		
G 10.2.4				Retained		
G 10.3 Specifying vehicle gauges				Transferred	Moved to GERT8073 in a separate RSSB project	
G 10.3.1				Transferred	Moved to GERT8073 in a separate RSSB project	
G 10.3.2				Transferred	Moved to GERT8073 in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
Part 11 Vehicle Gauging Data associated with GE/RT8073				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1 Introduction to vehicle gauging data				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.6				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.7				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.1.8				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2 Calculation of dynamic movements using RIS-2773-RST data				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 11.2.1 Background				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3 Worked example of dynamic calculation				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.6				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.7				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.3.8				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.4 Wheelset data format				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 11.2.4.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.4.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.4.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.5 Worked example of wheelset calculation				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.5.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.5.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 11.2.5.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
Part 12 Method to Determine the Effects of Cross-Wind Loading when Determining Swept Envelopes						
G 12.1 Introduction					Title only	
G 12.1.1		G 4.1.1		No change		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 12.1.2		G 4.1.2		No change		
G 12.1.3		G 4.1.3		No change		
G 12.2 Basic principle					Title only	
G 12.2.1		G 4.2.1				
G 12.2.2		G 4.2.2				
G 12.3 Dynamic simulation					Title only	
G 12.3.1		G 4.3.1		Redrafted	To update reference to GMRT2173	
G 12.4 Aerodynamic coefficient data					Title only	
G 12.4.1		G 4.4.3		Redrafted	To improve clarity and correct reference.	
G 12.4.2		G 4.4.1		No change		
G 12.4.3		G 4.4.2		Redrafted	To improve clarity and correct reference.	
G 12.4.4		G 4.4.4		No change		
G 12.4.5		G 4.4.5		No change		
G 12.5 Matrix of run cases					Title only	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 12.5.1		G 4.5.1		No change		
G 12.5.2		G 4.5.2		Redrafted	To improve clarity and correct reference.	
G 12.5.3		G 4.5.3		Redrafted	To improve clarity and correct reference.	
G 12.6 Required predictions		4.6 Predictions			Title only	
G 12.6.1		G 4.6.1		No change		
G 12.6.2		G 4.6.2		No change		
G 12.6.3		G 4.6.3		No change		
G 12.7 Post- processing		4.7 Post- processing			Title only	
G 12.7.1		G 4.7.1, G 4.7.2		Redrafted	To improve clarity	
G 12.7.2		G 4.7.3				
Part 13 Miscellaneous Technical Issues				Retained		
G 13.1 Introduction				Retained		
G 13.1.1				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 13.1.2						
G 13.2 Calculation of overthrow on curves (infrastructure)				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1 Detailed formula for the calculation of overthrow				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.6				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.1.7				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.2 Simplified formulae for the calculation of overthrow				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 13.2.2.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.2.2.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.3. Calculation of width reduction (vehicles)				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.3.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.3.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.3.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.3.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.4 Infrastructure measurement tolerances				Retained		
G 13.4.1 Philosophy				Retained		
G 13.4.1.1				Retained		
G 13.4.1.2				Retained		
G 13.4.1.3				Retained		
G 13.4.1.4				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 13.4.1.5				Retained		
G 13.4.2 Defining accuracy				Retained		
G 13.4.2.1				Retained		
G 13.4.2.2				Retained		
G 13.5 Uncertainty analysis in gauging calculations				Retained		
G 13.5.1 Basis of uncertainty analysis				Retained		
G 13.5.1.1				Retained		
G 13.5.2 Uncertainty analysis for the calculation of clearances				Retained		
G 13.5.2.1				Retained		
G 13.5.2.2				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 13.5.3 Uncertainty analysis for defining the swept envelope				Retained		
G 13.5.3.1				Retained		
G 13.5.3.2				Retained		
G 13.5.3.3				Retained		
G 13.5.3.4				Retained		
G 13.5.3.5				Retained		
G 13.5.3.6				Retained		
G 13.6 Guidance on speed to be used for calculation of clearances					Title only	
G 13.6.1			G 2.1.21	No change		1

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G 13.7 Considerations for assessing single vehicles or when forming part of a train				Retained		
G 13.7.1				Retained		
G 13.7.2				Retained		
G 13.8 Track data for use in gauging calculations					Title only	
G 13.8.1			G 2.1.18	No change		1
G 13.8.2			G 2.1.19	No change		1
G 13.9 Appendices of GM/RT2173 relating to shoegear and tripcock positions				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G 13.9.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
Appendix A W6a Freight Lower Gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G A.1 W6a freight lower gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G A.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G A.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G A.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G A.1.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G A.1.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
Appendix B Lower Sector Vehicle Gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1 Lower sector vehicle gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.1 Background				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G B.1.2 Application of overthrow				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.2.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.2.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.3 Application of tolerances and allowances				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.3.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.4 Application to infrastructure				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.4.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.5 Application to infrastructure				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G B.1.5.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
Appendix C Freight Upper Gauges				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1 General Information				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G C.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1.6				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.1.7				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.2 Specific information for W6a upper gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.2.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.2.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.3 Specific information for W7 upper gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.3.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.3.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G C.4 Specific information for W8 upper gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.4.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.4.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.5 Specific information for W9 upper gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.5.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.5.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.6 Specific information for W9Plus upper gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.6.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.6.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.7 Specific information for W10 gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.7.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G C.7.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.7.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.8 Specific information for W10a gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.8.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.8.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.8.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.9 Specific information for W12 gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.9.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.9.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.9.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.9.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G C.9.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
Appendix D Passenger Gauge 1 (20 m) PG1 and Passenger Gauge 2 (23 m) PG2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.1 Introduction				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.2 Origin and purpose of the Passenger Gauge 1 (20 m) PG1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.2.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.2.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.3 Origin and purpose of the Passenger Gauge 2 (23 m) PG2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G D.3.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.3.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.4 Dynamic movements				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.4.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.4.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.4.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.4.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.5 Wheel / rail flange clearances				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.5.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.6 Application of tolerances and allowances				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.6.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.6.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.6.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G D.7 Route opportunities and exceptions list				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.7.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.7.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.8 PG1 and PG2 interaction with LSVG				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G D.8.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
Appendix E Locomotive Gauge – Vehicle Gauge for Locomotives				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.1 Origin and purpose of locomotive gauge				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.1.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G E.1.3				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.1.4				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.1.5				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.2 Corrections applied				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.2.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.3 Dynamic movements				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.3.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.4 Clearance calculations				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.4.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.5 Wheel / rail flange clearances				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G E.5.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
Appendix F C3 and C4 Designation						

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G F.1 Requirement for C3 (and C4) designation				Retained		
G F.2 Standards defining C3 designation				Retained		
G F.3 Standards defining C4 designation				Retained		
Appendix G Class 373/X (Eurostar) Gauge				Retained		
G G.1 Standards defining Class 373/X (Eurostar) gauge				Retained		
G G.1.1				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G G.2 Class 373/X (Eurostar) gauge				Retained		
G G.2.1				Retained		
G G.2.2				Retained		
G G.2.3				Retained		
G G.2.4				Retained		
G G.3 Guidance on application to the infrastructure				Retained		
G G.3.1				Retained		
G G.3.2				Retained		
G G.3.3				Retained		
G G.3.4				Retained		
G G.3.5				Retained		
G G.3.6				Retained		
G G.3.7				Retained		

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G G.4 Lower sector infrastructure gauge defined in GI/RT7073				Retained		
G G.4.1				Retained		
G G.4.2				Retained		
G G.4.3				Retained		
G G.4.4				Retained		
G G.4.5				Retained		
G G.5 Guidance on application by railway undertakings				Retained		
G G.5.1				Retained		
G G.6 Notes				Retained		
G G.6.1				Retained		
Appendix H Freight Load Unit Heights and Profile Codes				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	

From GEGN8573 issue four	To GMRT2173 issue four	To RIS-2773-RST issue two	To RIS-8273-RST issue 1	Way forward	Comments	Objective
G H.1 Purpose				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G H.1.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G H.2 Notes				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G H.2.1				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
G H.2.2				Redrafted	Moved to GERT8073 issue four in a separate RSSB project	
Definitions				Retained		
References				Retained		