



Briefing Note

New and revised documents

Document number	Document title	Issue
GM/RT2466	Railway Wheelsets	Three
GM/RC2494	Recommendations for Railway Wheelset Design	Two
GM/RC2496	Recommendations for Railway Wheelset Maintenance	Two

Standards Committee: Rolling Stock
Issue/withdrawal date: 06 February 2010
Documents come into force/cease to be in force: 03 April 2010

Background

GM/RT2466 issue 2 was published in August 2008. Soon a few errors and one omission were identified, as well as the need to identify from where the drawings referenced could be obtained. Rolling Stock Standards Committee decided that after six months there should be a review of all such instances. On receipt of the outcome of this review the committee approved the document being revised using the small scale change process to correct the errors and omissions without further consultation.

Additionally the committee approved the inclusion of material type RS8T for passenger vehicles to eliminate the need for further deviation applications, and the inclusion of a recommendation for tread chamfers in response to a deviation application.

Scope

The requirements apply to the design, manufacture and maintenance of railway wheelsets.

Key changes

The key changes in GM/RT2466 are as follows:

- Inclusion of material type RS8T for all passenger vehicles in Table 1.
- Re-instatement of requirements omitted in error for non-rim chilled monobloc wheels as new 2.9.3 and new Appendix D based on the withdrawn document UIC 812-3.
- Correction of reference in 4.9.1.1.
- Correction of wording of 4.18.1.
- Re-instatement of a clause below Table 6 which was omitted in error, as 4.18.1a.
- Revision of one drawing reference in Appendix A.
- Inclusion of a note identifying where all drawings can be obtained.



Briefing Note

The key changes in GM/RC2494 are as follows:

- Reflecting the amendments in GM/RT2466 in re-instating the requirements omitted in error for non-rim chilled monobloc wheels as new 2.9 3 and copy of new Appendix D based on the withdrawn document UIC 812-3, and the associated recommendations.

The key changes in GM/RC2496 are as follows:

- Reflecting the amendments in GM/RT2466 correcting the reference in 4.9.1.1, correcting the wording on 4.18.1 and the re-instatement of a clause below Table 6 which was omitted in error, as 4.18.1a.
- New recommendation RC163a for tread chamfers.

Compliance requirements

The requirements come into force and are to be complied with from 06 February 2010.

Impact of proposed changes to National Technical Rules (NTRs)

As published on the Department for Transport web site and dated 28 October 2009.

Open point		NTR proposed before changes notified in this Briefing Note		NTR proposed following changes notified in this Briefing Note		Reason for amendment to proposed NTR
TSI	Clause	RGS	Clause	RGS	Clause	
CR Locomotive and Passenger TSI	Unpublished	GM/RT2466 Issue 2	All	GM/RT2466 Issue 3	All	Standard revised and re-issued
CR Freight Wagons TSI	Annex E	GM/RT2466 Issue 2	Part 4	GM/RT2466 Issue 3	Part 4	Standard revised and re-issued
	Annex L	GM/RT2466 Issue 2	Part 4	GM/RT2466 Issue 3	Part 4	Standard revised and re-issued
HS RST TSI	Annex L	GM/RT2466 Issue 2	Part 2 Part 5 Appendix A Appendix C	GM/RT2466 Issue 3	Part 2 Part 5 Appendix A Appendix C	Standard revised and re-issued



Briefing Note

Deviations authorised by RSSB

The status of all authorised deviations, when this document is introduced, is as follows:

Still in force against GM/RT2466 issue 1

Deviation number	Original applicant	Topic
04/242/DGN	First Great Western	Accuracy of wheel profile
05/084/DGN	GB Railfreight Limited	Use of Association of American Railroads standards for monobloc wheels
06/075/DGN	London Underground Limited	Magnetic particle inspection of solid axles
06/103/DGN	South West Trains	Width of wheel rim tolerance to allow 126 mm
06/165/DGN	Virgin Cross Country	Use of SuperLos steel for monobloc wheels
06/191/DGN	Arriva Trains Wales Limited	Use of SuperLos steel for monobloc wheels
06/243/DGN	Serco Rail Operations	Infinite fatigue life
07/084/DGN	Virgin West Coast Trains	Use of SuperLos steel for class 390 monobloc wheels
07/097/DGN	English Welsh and Scottish Railways	Minimum hydrogen content
07/122/DGN	English Welsh and Scottish Railways	Use of P10/RD9 profile on class 66 locomotives
07/150/DGN	English Welsh and Scottish Railways	Axle body corrosion during off-vehicle wheelset profiling
07/196/DGN	Hull Trains East Midland	Use of SuperLos steel for monobloc wheels
07/198/DGN	English Welsh and Scottish Railways	Axle body corrosion
08/082/DGN	London Overground	Wheel rim width

Still in force against GM/RT2466 issue 2

Deviation number	Original applicant	Topic
08/192/DGN	Harsco Track Technologies Ltd	Retention of the original branding on the wheel for the stoneblower
08/194/DGN	First ScotRail Ltd	Wheel profile tread chamfer



Briefing Note

Deviation number	Original applicant	Topic
09/037/DGN	Freightliner Ltd	Wheel material – steel grade
09/044/DGN	Bombardier Transportation, Chiltern Railway Company Ltd, London Overground Rail Operations Ltd, London Midland	Inboard bearings
09/075/DGN	Freightliner Group	Wheel material – steel grade
09/138/DGN	London Overground Rail Operations Ltd	Wheel rim width

Not applicable to new document

Deviation number	Original applicant	Topic	Reason
09/184/TNC	Stagecoach South Western Trains Ltd	Rim edge chamfer	Temporary non-compliance expires 14 September 2010
09/184/TNC	Harsco Rail Ltd	Wheel profile with thinner flange	Temporary non-compliance expires 05 September 2010