

## Proposed amendment to Appendix 10 to the GCU

### Record of amendments

Amended by	Date	Module	Amendment
Burkhard Lerche	06/01/2023	M03.003	First draft
AG Neandertal	04/09/2023	M03.003	Update
WG MNT	30-31/01/2024	M03.003	Update
WG MNT decision	09-10/04/2024	M03.003	Update
WU SG decision	14/05/2024	M03.003	Approved by WU SG
Editorial check	16/05/2024	M03.003	Hints from UIC legal service
GCU JC decision	04/06/2024	M03.003	Approved by GCU JC after minor rewordings

<b>Title</b>	M03.003: Replace brake blocks on wagons without compact brakes M03.003: Remplacer les semelles de frein sur les wagons sans frein compact M03.003: Bremssohlen an Wagen ohne Kompaktbremse ersetzen
<b>Proposed amendment made by RU/keeper/other:</b>	Working group on Modularisation
<b>Proposed amendment to:</b>	<input checked="" type="checkbox"/> Appendix 10 <input type="checkbox"/> Annex 6 (appendix 10)
<b>Proposer:</b>	Working group on Modularisation
<b>Location, date:</b>	Mainz, 06/01/2023
<b>Concise description:</b>	

## 1. Starting point (current situation):

<b>1.1. Introduction</b>
The task of the working group for the modularisation of appendix 10 of the GCU is to describe new modules containing the measures to restore fitness to run and to create a link to the damage codes of appendix 9 as well as to the coding of the works of appendix 10 annex 6
<b>1.2. Mode of operation</b>
The results of the working group are submitted as amendment to the working group Appendix 10 and so introduced in the regular process for validation of amendments
<b>1.3. Anomaly/description of problem</b>
Appendix 10 does not currently provide a comprehensive package of works to be carried out in order to restore the fitness to run. By introducing modularisation, this problem is solved. Modularisation supports the further digitalisation.
<b>1.4. Does this concern a recognised code of practice* (e.g. ISO, EN)?</b>
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (state which): <small>* "a written set of rules that, when correctly applied, can be used to control one or more specific hazards." (Source: Regulation (source: Regulation EC 402/2013, Article 3)</small> <small>"Technical provisions laid down in writing or conveyed verbally and pertaining to procedures, equipment and modes of operation which are generally agreed by the populations concerned (specialists, users, consumer and public authorities) to be suitable for achieving the objective prescribed by law, and which have either proven their worth in practice or, it is generally agreed, are likely to within a reasonable period of time". (Source: BMJ Handbuch der Rechtsförmlichkeit – guide published by German Ministry of Justice)</small>

## 2. Target situation

<b>2.1. Elimination of anomaly/problem (solution sought)</b>
See below point 3

## 3. Additional text (relates only to proposed amendments to GCU Appendix 10):

Colour codes for amendment proposals:

**Black:** Currently applicable text; provides information and remains unchanged

**Red:** New text

**Blue:** (may be crossed out): Text to be deleted

Symbols are used as follows:

→ Link to other section of the GCU

✉ Communication between keeper and workshop

📄 Documentation of the work acc. to app. 10 annex 6

Note: if changes of the annex 6 are required, they have to be named below.

The damage codes of section 2 of this amendment proposal will be updated in the three languages in table in the introduction.

<b>Damage code Appendix 9</b>	<b>Measures to restore the fitness to run</b>
<b>Code d'anomalie Annexe 9</b>	<b>Mesures pour rétablir l'aptitude à la circulation</b>
<b>Schadcode Anlage 9</b>	<b>Maßnahmen zur Wiederherstellung Lauffähigkeit</b>

**EN****M03.003: Replace brake blocks on wagons without compact brakes**

<b>Technical requirements:</b>	-
<b>Organisational preparations:</b>	For wagons with compact brakes, obtain keeper instructions →M00.001
<b>No.</b>	<b>Work tasks, technical target state and additional notes</b>
1.	Check brake blocks →3.7.1 or →3.8.1, →3.8.2, →Annex 4
2.	Remove brake blocks: <ul style="list-style-type: none"> <li>Loosen brake rigging by widening the slack adjuster</li> </ul>
3.	Install brake blocks <i>Additional notes: Only brake blocks written on the freight wagon may be used →3.7.2 or →3.8.3, →3.8.4</i>
4.	Adjust the brake rigging
5.	Carry out a functional check of the brake →M03.001

M01.003: Handling of wagons after signs of thermal overload of wheelsets

4. Check the brake blocks in accordance with →3.7 or 3.8

Additional notes: where appropriate, replace the brake blocks →M03.003 (*in creation*)

M01.001: point 3: Examine brake blocks in accordance with →3.7 or →3.8, where appropriate, replace →M03.003

**FR****M03.003 Remplacer les semelles de frein sur les wagons sans frein compact**

<b>Conditions techniques :</b>	-
<b>Mesures préparatoires :</b>	Pour les wagons avec frein compact, demander les instructions au détenteur →M00.001
<b>n°</b>	<b>Contenu de l'intervention, état technique théorique et autres indications</b>
1.	Vérifier les semelles de frein →3.7.1 ou →3.8.1, →3.8.2, →Appendice 4
2.	Démonter les semelles de frein : <ul style="list-style-type: none"> <li>Desserrer la timonerie au niveau du régleur de la timonerie</li> </ul>
3.	Monter les semelles de frein <i>Indications complémentaires : Monter uniquement les semelles inscrites sur le wagon →3.7.2 ou →3.8.3, →3.8.4</i>
4.	Régler la timonerie
5.	Réaliser le test de fonctionnement du frein →M03.001

M01.003: Traitement des wagons après sollicitation thermique élevée des essieux montés

4. Inspection des semelles selon → 3.7 ou 3.8

Autres indications : ~~le cas échéant~~ si nécessaire, remplacer les semelles de frein →M03.003 (*en cours de création*)

M01.001: Point 3 : examiner les semelles de frein selon →3.7 ou →3.8, si nécessaire, remplacer →M03.003

DE

**M03.003 Bremssohlen an Wagen ohne Kompaktbremse ersetzen**

<b>Technische Voraussetzungen:</b>	-
<b>Organisatorische Vorbereitungen:</b>	Bei Wagen mit Kompaktbremse, Halteranweisungen einholen →M00.001
<b>Nr.</b>	<b>Arbeitsinhalt, technischer Sollzustand und sonstige Hinweise</b>
1.	Bremssohlen prüfen →3.7.1 oder →3.8.1, →3.8.2, →Anhang 4
2.	Bremssohlen ausbauen: <ul style="list-style-type: none"> <li>• Bremsgestänge am Bremsgestängesteller aufdrehen</li> </ul>
3.	Bremssohlen einbauen <i>Sonstige Hinweise: nur die am Güterwagen angeschriebenen Bremssohlen dürfen verbaut werden →3.7.2 oder→3.8.3, →3.8.4</i>
4.	Bremsgestänge einstellen
5.	Funktionsprobe der Bremse durchführen →M03.001

M01.003: Wagen nach thermischer Überbeanspruchung der Radsätze behandeln

4. Bremsklotzsohlen prüfen gemäß →3.7 oder 3.8

Sonstige Hinweise: ggf. Bremssohlen ersetzen →M03.003 *(in-Erstellung)*

M01.001: Punkt 3: Bremssohlen untersuchen nach →3.7 oder →3.8, ggf. ersetzen →M03.003

**4. Reason:**

Transforming the measures of GCU Appendix 10 into the new modular design

<b>5. Assess potential positive/negative impacts</b>
<p><i>Assess the possible positive and negative effects (operations, costs, administration, interoperability, safety, competitiveness, etc.) on a scale of 1 (very low) to 5 (very high):</i></p> <p><i>Reasoning behind amendment:</i></p> <p>This measure describes the good practice in maintenance and should not have a positive or negative effect on operations, costs, administration, interoperability, competitiveness, but presents an increase on safety.</p>

## 6. Safety appraisal of proposed amendment

Description of actual/target system, and scope of change to be made (see points 1 and 2).

Performance of risk analysis is unnecessary where only recognised standards are implemented.

Risk analysis conducted by:

<b>6.1. Does the change have an impact on safety?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason: No change in the process	
<b>6.2. Is the change significant?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason: No change in the process	
<b>6.3. Determining and classifying risk</b>	<input checked="" type="checkbox"/> N/A
6.3.1. Effect of change in normal operation:	
6.3.2. Effect of change in the event of disruption/deviation from normal operation:	
6.3.3. Potential misuse of system:	
<input type="checkbox"/> No	
<input type="checkbox"/> Yes (describe possible misuse):	
<b>6.4. Have safety measures been applied?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
For each type of risk, one of the following risk acceptance criteria is to be selected:	
<ul style="list-style-type: none"> <li>• Code of practice</li> <li>• Use of reference system</li> <li>• Explicit risk assessment</li> </ul>	
<b>6.5. Has a risk analysis been submitted to the assessment body?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Assessment body:	
Attach the verdict reached by the assessment body	[Appendix]