

Proposed amendment to Appendix 10 to the GCU

Record of amendments

Amended by	Date	Module	Amendment
André Brozy	18/09/2023	M00.002	First draft
WG MNT	30-31/01/2024	M00.002	Update
WG MNT decision	09-10/04/2024	M00.002	Update
WU SG decision	14/05/2024	M00.002	Approved by WU SG
GCU JC decision	04/06/2024	M00.002	Approved by GCU JC

Title	M00.002*: Additional inspections by the workshop M00.002*: Examens supplémentaires par l'atelier M00.002*: Zusatzprüfungen durch die Werkstatt
Proposed amendment made by RU/keeper/other:	
Proposed amendment to:	<input checked="" type="checkbox"/> Appendix 10 <input type="checkbox"/> Annex 6 (appendix 10)
Proposer:	A.Brozy
Location, date:	18/09/2023
Concise description:	

1. Starting point (current situation):

1.1. Introduction
The task of the working group for the modularization 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
1.2. Mode of operation
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
1.3. Anomaly/description of problem
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.
1.4. Does this concern a recognised code of practice* (e.g. ISO, EN)?
<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

2.1. Elimination of anomaly/problem (solution sought)
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.

Damage code Appendix 9	Measures to restore the fitness to run
0.Measures with other modules to execute	
at every workshop stay	M00.002*: Additional inspections by the workshop
Code d'anomalie Annexe 9	Mesures pour rétablir l'aptitude à la circulation
0.Mesures avec d'autres modules à réaliser	
à chaque passage en atelier	M00.002*: Examens supplémentaires par l'atelier
Schadcode Anlage 9	Maßnahmen zur Wiederherstellung Lauffähigkeit
0. Maßnahmen zusammen mit anderen Modulen ausführen	
bei jedem Werkstattaufenthalt	M00.002*: Zusatzprüfungen durch die Werkstatt

EN

M00.002*: Additional inspections by the workshop

Technical requirements:	None
Organisational preparations:	<input checked="" type="checkbox"/> None
No.	Work tasks, technical target state and additional notes
1.	<p>Wheelsets fitted with LL blocks must be inspected and dealt with as follows:</p> <ul style="list-style-type: none"> Inspect running surfaces →1.6.1 Inspect the wheels visually in accordance with the criteria for thermal overload →1.18 <p><i>Note: for non-permissible deviations, possibly carry out brake test to determine cause of damage →M03.002 and replace the damaged wheelsets →M01.001</i></p>
2.	<p>Wagons with tyred wheels must be inspected and dealt with as follows:</p> <ul style="list-style-type: none"> Check that the tyre is firmly in place on the wheel body. The date, as well as that of the previous inspection, are recorded in the plate along with the initials of the RU and the workshop that performed the inspection → Appendix 11, 7.5 <p><i>Note: for non-permissible deviations, possibly carry out a brake test to determine the cause of the damage →M03.002 and replace the damaged wheelsets →M01.001</i></p>
3.	<p>Inspection of the wheelsets: Inspection against EVIC →M01.002</p>
4.	<p>Inspection of the buffing gear according to the following points:</p> <ul style="list-style-type: none"> →5.3.2 (<i>Note: for non-permissible deviations, the affected buffers/missing fixing bolts are to be replaced according to →M05.003</i>) →5.7 (<i>Note: for non-permissible deviations, the affected buffers are to be replaced according to →M05.003/missing rivets or fixing bolts on the buffer heads are to be replaced according to →M00.001</i>) →5.8 (<i>Note: if necessary, lubricate buffer according to →M05.001</i>) <p>→5.9.1 and →5.9.2 (<i>Note: for non-permissible deviations, the affected buffers are to be replaced according to →M05.003/the buffer heads are to be grinded in consultation with the keeper →M00.001</i>)</p>
5.	<p>Inspection of RID tank wagons according to followings points:</p> <ul style="list-style-type: none"> →6.28, →6.29, →6.30, →6.31, →6.32, →6.34, →6.35 and →6.37 <p><i>Note: for non-permissible deviations, the keeper shall implement further measures →M00.001</i></p>

1.6.2 * ~~Reserved~~ Wheelsets fitted with LL blocks must be inspected and dealt with as follows:

~~Inspect running surfaces in accordance with 1.6.1~~

~~Visual inspection of the wheels in accordance with the criteria for thermal overload as set out in 1.18.~~

1.15.2 * ~~Reserved~~ The prescriptions of Annex 3 are to be applied.

1.16 * ~~Reserved~~ Each time the wagon is in the workshop, the wheel+tyre assembly of all wagons fitted with tyres must be checked. The dates on which this verification and the one before it takes place are entered in the maintenance plate specified in Appendix 11, point 7.5 against the initials of the RU and workshops that conducted the check in question.

M00.002*: Examens supplémentaires par l'atelier

Conditions techniques :	Aucune
Mesures préparatoires :	<input checked="" type="checkbox"/> Aucune
n°	Contenu de l'intervention, état technique théorique et autres indications
1.	<p>Les essieux montés sous les wagons équipés de semelles LL doivent être examinés et traités comme suit :</p> <ul style="list-style-type: none"> • Examen de la table de roulement →1.6.1 • Examen visuel des roues au regard des critères de surcharge thermique →1.18 <p><i>Indications complémentaires : en cas d'écarts non admissibles, réaliser éventuellement un essai de frein pour déterminer la cause du dommage →M03.002 et remplacer les essieux concernés →M01.001.</i></p>
2.	<p>Les wagons équipés de roues bandagées doivent être contrôlés et traités comme suit :</p> <ul style="list-style-type: none"> • Vérifier le positionnement du bandage sur le corps de la roue. • Les dates de cet examen et de l'examen précédent sont inscrites dans le cartouche → annexe 11, point 7.5 à côté du sigle de l'EF et de l'atelier qui a effectué cet examen. <p><i>Indications complémentaires : en cas d'écarts non admissibles, réaliser éventuellement un essai de frein pour déterminer la cause du dommage →M03.002 et remplacer les essieux concernés →M01.001.</i></p>
3.	<p>Contrôle des essieux montés :</p> <ul style="list-style-type: none"> • Examen EVIC →M01.002
4.	<p>Examen des organes de choc conformément aux points suivants :</p> <ul style="list-style-type: none"> • →5.3.2 (<i>Indications complémentaires : en cas d'écarts non admissibles, le remplacement des tampons concernés et/ou des vis de fixation manquantes s'effectue selon →M05.003</i>) • →5.7 (<i>Indications complémentaires : en cas d'écarts non admissibles, le remplacement des tampons concernés s'effectue selon →M05.003 et/ou le remplacement des rivets ou vis de fixation manquant des plateaux de tampons selon →M00.001</i>) • →5.8 (<i>Indication : si nécessaire, lubrifier le tampon selon → M05.001</i>) • →5.9.1 et →5.9.2 (<i>Indications complémentaires : en cas d'écarts non admissibles, le remplacement des tampons concernés s'effectue selon →M05.003 et/ou meulage des plateaux de tampon après consultation du détenteur →M00.001</i>)
5.	<p>Examen des wagons-citernes RID conformément aux points suivants :</p> <ul style="list-style-type: none"> • →6.28, →6.29, →6.30, →6.31, →6.32, →6.34, →6.35 et →6.37 <p><i>Indications complémentaires : en cas d'écarts non admissibles, le détenteur détermine les mesures supplémentaires à prendre →M00.001.</i></p>

1.6.2 * ~~Réservé Les essieux montés de wagons équipés de semelles LL doivent être examinés et traités comme suit: – examen de la table de roulement selon le point 1.6.1 – inspection visuelle des roues au regard des critères de surcharge thermique selon le point 1.18~~

1.15.2 * ~~Réservé Il y a lieu d'appliquer les prescriptions de l'appendice 3~~

1.16 * ~~Réservé Lorsqu'un contrôle de la distance entre les faces intérieures des bandages ou de jante –bandage sur les roues monobloc des essieux est exigé, celle-ci doit être mesurée à la jauge au niveau des rails, en trois points au moins, distants l'un de l'autre de 120 °.~~

M00.002 * Zusatzprüfungen durch die Werkstatt

Technische Voraussetzungen:	Keine
Organisatorische Vorbereitungen:	<input checked="" type="checkbox"/> Keine
Nr.	Arbeitsinhalt, technischer Sollzustand und sonstige Hinweise
1.	Die Radsätze von mit LL-Sohle ausgerüsteten Wagen müssen wie folgt geprüft und behandelt werden: <ul style="list-style-type: none"> • Prüfung der Lauffläche der Radsätze →1.6.1 • Sichtprüfung der Räder hinsichtlich der Kriterien thermischer Überbeanspruchung →1.18 <i>Hinweis: bei unzulässigen Abweichungen ggf. eine Bremsprüfung zur Schadensursachenfeststellung durchführen →M03.002 und betroffene Radsätze tauschen →M01.001.</i>
2.	Wagen mit bereiften Rädern müssen wie folgt geprüft und behandelt werden: <ul style="list-style-type: none"> • Sitz des Radreifens auf dem Radkörper prüfen. • Die Daten dieser und der vorangegangenen Prüfung werden in das Raster → Anlage 11, Ziffer 7.5 neben dem Kurzzeichen des EVU und der Werkstatt eingetragen, die diese Prüfung durchgeführt hat. <i>Hinweis: bei unzulässigen Abweichungen ggf. eine Bremsprüfung zur Schadensursachenfeststellung durchführen →M03.002 und betroffene Radsätze tauschen →M01.001.</i>
3.	Prüfung der Radsätze: <ul style="list-style-type: none"> • Prüfung EVIC →M01.002
4.	Prüfung der Stoßeinrichtungen gemäß folgender Punkte: <ul style="list-style-type: none"> • →5.3.2 (<i>Hinweis: bei unzulässigen Abweichungen erfolgt der Ersatz der betroffenen Puffer bzw. fehlenden Befestigungsschrauben gemäß →M05.003</i>) • →5.7 (<i>Hinweis: bei unzulässigen Abweichungen erfolgt der Ersatz der betroffenen Puffer nach →M05.003 bzw. der Ersatz fehlender Befestigungsnieten oder Befestigungsschrauben von Puffertellern gemäß →M00.001</i>) • →5.8 (<i>Hinweis: ggf. Puffer gemäß →M05.001 schmieren</i>) • →5.9.1 und →5.9.2 (<i>Hinweis: bei unzulässigen Abweichungen erfolgt der Ersatz der betroffenen Puffer gemäß → M05.003 bzw. das Schleifen der Pufferteller nach Rücksprache mit dem Halter gemäß → M00.001</i>)
5.	Prüfung von RID-Kesselwagen gemäß folgender Punkte: <ul style="list-style-type: none"> • →6.28, →6.29, →6.30, →6.31, →6.32, →6.34, →6.35 und →6.37 <i>Hinweis: bei unzulässigen Abweichungen legt der Halter →M00.001 die weiteren Maßnahmen fest →M00.001.</i>

1.6.2 * ~~Bleibt frei~~ Die Radsätze von mit LL-Sohle ausgerüsteten Wagen müssen wie folgt geprüft und behandelt werden:

~~– Prüfung der Lauffläche der Radsätze gemäß 1.6.1~~

~~– Sichtprüfung der Räder hinsichtlich der Kriterien thermischer Überbeanspruchung gemäß 1.18~~

1.15.2 * ~~Bleibt frei~~ Die Bestimmungen des Anhangs 3 sind anzuwenden.

1.16 * ~~Bleibt frei~~ Bei jedem Werkstattaufenthalt ist bei Wagen mit bereiften Rädern der Sitz des Radreifens auf dem Radkörper zu prüfen. Der Zeitpunkt dieser und der vorangegangenen Prüfung wird in das Raster gemäß

4. Reason:

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

5. Assess potential positive/negative impacts

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):

Reasoning behind amendment:

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.

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:

6.1. Does the change have an impact on safety?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason: No change in the process	
6.2. Is the change significant?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason: No change in the process	
6.3. Determining and classifying risk	<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):	
6.4. Have safety measures been applied?	<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"> • Code of practice • Use of reference system • Explicit risk assessment 	
6.5. Has a risk analysis been submitted to the assessment body?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Assessment body:	
Attach the verdict reached by the assessment body	[Appendix]