

Proposed amendment to Appendix 10 to the GCU

Record of amendments

Amended by	Date	Module	Amendment
André Brozy	13/01/2023	M03.005	First draft
WG Neandertal	04/09/2023	M03.005	Update
WG MNT decision	30-31/01/2024	M03.005	Update
WG MNT decision	09-10/04/2024	M03.005	Update
WU SG decision	14/05/2024	M03.005	Approved by WU SG
GCU JC decision	04/06/2024	M03.005	Approved by GCU JC

Title	M03.005: Brake hoses removal/installation M03.005 : Démontet/monter les demi-accouplements de frein M03.005: Bremskupplung ab/an
Proposed amendment made by RU/keeper/other:	WG Neandertal
Proposed amendment to:	<input checked="" type="checkbox"/> Appendix 10 <input type="checkbox"/> Annex 6 (appendix 10)
Proposer:	A.Brozy
Location, date:	13/01/2023
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) "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
3.3.2.1 Pneumatic part, brake coupling, damaged or missing (brake couplers must be available at all existing coupler connections on either end of a wagon)	M03.005: brake hoses removal/installation
Code d'anomalie Annexe 9	Mesures pour rétablir l'aptitude à la circulation
3.3.2.1 Partie pneumatique, demi-accouplements, avariés, manquants (les demi-accouplements doivent être présents sur tous les raccordements de frein existants aux deux extrémités du wagon)	M03.005: Démonter/monter les demi-accouplements de frein
Schadcode Anlage 9	Maßnahmen zur Wiederherstellung Lauffähigkeit
3.3.2.1 Pneumatischer Teil, Bremskupplungen, schadhaft, fehlen (an allen vorhandenen Bremskupplungsanschlüssen müssen an jedem Wagenende Bremskupplungen vorhanden sein)	M03.005: Bremskupplung ersetzen ab/an

EN

M03.005: Brake hoses removal/installation

Technical requirements:	-
Organisational preparations:	-
No.	Work task, technical target state and additional notes
1.	Dismantle of the brake hose <ul style="list-style-type: none"> Dismantle the brake hose using suitable tool
2.	Assembly of the brake hose <ul style="list-style-type: none"> Clean the screw threads of the brake hose and the stopcock Prepare the screw connection with a suitable sealant (sealing hemp, sealing tape or similar) Mount the brake hose using suitable tools Check that no part of the brake coupling system (whether connected or disconnected) hangs down within 140 mm of the top of the rails.
3.	Check the tightness of the brake system → M03.007

FR

M03.005 : Démontier/monter les demi-accouplements de frein

Conditions techniques :	-
Mesures préparatoires :	-
n°	Contenu de l'intervention, état technique théorique et autres indications
1.	Démontier l'accouplement de frein <ul style="list-style-type: none"> Démontier l'accouplement de frein avec les outils appropriés
2.	Monter l'accouplement de frein <ul style="list-style-type: none"> Nettoyer le filetage de l'accouplement de frein et du robinet d'arrêt Préparer le raccord vissé avec un moyen d'étanchéité approprié (p. ex. chanvre, ruban d'étanchéité) Raccorder l'accouplement de frein à l'aide d'outils appropriés au robinet d'arrêt Vérifier qu'aucune partie des organes d'accouplement de frein (accouplés ou désaccouplés) ne descende en dessous de 140 mm par rapport au sommet des rails.
3.	Vérifier l'étanchéité du système de frein →M03.007

DE

M03.005: Bremskupplung ab/an

Technische Voraussetzungen:	
Organisatorische Vorbereitungen:	-
Nr.	Arbeitsinhalt, technischer Sollzustand und sonstige Hinweise
1.	Demontage der Bremskupplung <ul style="list-style-type: none"> Bremskupplung mit geeignetem Werkzeug demontieren
2.	Montage der Bremskupplung <ul style="list-style-type: none"> Schraubgewinde der Bremskupplung und des Luftabsperrhahns säubern Schraubverbindung mit geeignetem Dichtmittel (Dichtanf, Dichtband o. Ä.) vorbereiten Bremskupplung unter Verwendung von geeignetem Werkzeug mit Luftabsperrhahn verschrauben Prüfen, dass keine Teile der Bremskupplungen (gekuppelt oder ungekuppelt) niedriger als 140 mm über die Schienenoberkante herabhängen.
3.	Prüfung der Dichtheit der Bremsanlage →M03.007

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]