

Proposed amendment to Appendix 10 to the GCU

Record of amendments

Amended by	Date	Module	Amendment
Ben Krause (WG Neandertal)	07/09/2023	M06.002	Drafting
WG MNT decision	09-10/04/2024	M06.002	Update
WU SG decision	14/05/2024	M06.002	Approved by WU SG
GCU JC decision	04/06/2024	M06.002	Approved by GCU JC

Title	M06.002: Restore/replace steps and handles M06.002 : Rétablir/remplacer marchepieds, mains-courantes M06.002: Tritte, Griffe wiederherstellen/ersetzen
Proposed amendment made by RU/keeper/other:	WG Neandertal
Proposed amendment to:	<input checked="" type="checkbox"/> GCU Appendix 10 <input type="checkbox"/> GCU Annex 6 (Appendix 10)
Proposer:	Ben Krause
Location, date:	07/09/2023
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
6.1.7.3 Steps: damage representing a safety hazard for staff, torn off or deformed beyond tolerated limit (a > 80 mm)	M06.002 Restore/replace steps and handles
6.1.7.4 Handles: missing, damage representing a safety hazard for staff, torn off or deformed beyond tolerated limit (b < 60 mm)	M06.002 Restore/replace steps and handles
Code d'anomalie Annexe 9	Mesures pour rétablir l'aptitude à la circulation
6.1.7.3 Marchepieds avariés mettant en danger la sécurité du personnel, arrachés ou déformation hors tolérance (cote a > 80 mm)	M06.002 Rétablir/remplacer marchepieds, mains-courantes
6.1.7.4 Poignées : absentes, avarie qui met en danger la sécurité du personnel, fissurées ou déformation hors tolérance (cote b < 60 mm)	M06.002 Rétablir/remplacer marchepieds, mains-courantes
Schadcode Anlage 9	Maßnahmen zur Wiederherstellung Lauffähigkeit
6.1.7.3 Aufstiegstritte: Schaden, der die Sicherheit des Personals gefährdet, angerissen oder unzulässig verbogen (Maß a > 80 mm)	M06.002 Tritte, Griffe wiederherstellen/ersetzen
6.1.7.4 Griffe: fehlen, Schaden, der die Sicherheit des Personals gefährdet, angerissen oder unzulässig verbogen (Maß b < 60 mm)	M06.002 Tritte, Griffe wiederherstellen/ersetzen

EN**M06.002: Restore/replace steps and handles**

Technical requirements:	-
Organisational preparations:	<input checked="" type="checkbox"/> If necessary, request steps and handles from the keeper with → Form H in accordance with Appendix 7
No.	Work tasks, technical target state and additional notes
1.	<p>Resetting damaged steps and handles:</p> <ul style="list-style-type: none"> • Heat them • Reset in compliance with the tolerances specified in → 6.11 or → 6.12 • Visually check the reset point for cracks and notches <p><i>Note: cold resetting of steps and handles is not permitted</i></p>
2.	<p>Replace missing or non-permitted damaged steps and handles:</p> <ul style="list-style-type: none"> • Remove damaged step/handle • Attach step/handle with the same design <p><i>Note: the newly built steps must be of the exact same model to ensure that they remain within the loading gauge. The step surface must comply with UIC Leaflet 535-2 and/or EN 16116-2.</i></p>

FR**M06.002 Rétablir/remplacer marchepieds, mains-courantes**

Conditions techniques :	-
Mesures préparatoires :	<input checked="" type="checkbox"/> Si nécessaire, demander au détenteur de fournir des marchepieds et mains-courantes avec → modèle H selon l'annexe 7
n°	Contenu de l'intervention, état technique théorique et autres indications
1.	<p>Redresser les marchepieds et mains-courantes endommagés :</p> <ul style="list-style-type: none"> • Chauffer • Redresser en respectant les cotes limites prescrites dans → 6.11 ou → 6.12 • Vérifier visuellement l'absence de fissures et d'entailles à l'endroit du redressement <p><i>Indication : le dressage à froid des marchepieds et mains-courantes est interdit</i></p>
2.	<p>Remplacer les marchepieds et mains-courantes manquants ou endommagés de manière inadmissible :</p> <ul style="list-style-type: none"> • Démontez le marchepied / la main-courante endommagé(e) • Montez un marchepied / une main-courante de même type <p><i>Indication : Les marchepieds nouvellement montés doivent être de la même dimension pour assurer le respect du gabarit. La surface du marchepied doit être conforme aux dispositions de la fiche UIC 535- 2 et/ou de la norme EN 16116- 2.</i></p>

DE**M06.002 Tritte, Griffe wiederherstellen/ersetzen**

Technische Voraussetzungen:	-
Organisatorische Vorbereitungen:	<input checked="" type="checkbox"/> Ggf. Tritte und Griffe beim Halter mit → Muster H nach Anlage 7 abfordern
Nr.	Arbeitsinhalt, technischer Sollzustand und sonstige Hinweise
1.	<p>Richten von beschädigten Tritten und Griffen:</p> <ul style="list-style-type: none"> • Erwärmen • Richten unter Einhaltung der in → 6.11 bzw. → 6.12 vorgegebenen Grenzmaße • Richtstelle augenscheinlich auf Riss- und Kerbfreiheit prüfen <p><i>Hinweis: das Kaltrichten von Tritten und Griffen ist unzulässig</i></p>
2.	<p>Ersetzen fehlender oder unzulässig beschädigter Tritte und Griffe:</p> <ul style="list-style-type: none"> • Beschädigten Tritt / Griff abbauen • Baugleichen Tritt / Griff anbauen <p><i>Hinweis: die angebauten Tritte müssen die gleichen Abmessungen aufweisen, um die Profilverfreiheit zu gewährleisten. Die Trittfläche muss UIC MB 535-2 bzw. EN 16116-2 entsprechen.</i></p>

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:	
6.2. Is the change significant?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason:	
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]