

Amendment proposal to GCU Appendix 10

Amendment history

Amendment made by	Date	Paragraph	Amendment
Luca Mandelli, ERFA	2018/6/11	App10, 4.19+Ann6	First proposal draft
Dirk Oelschläger, UIC	2019/2/19	App10, 4.19+Ann6	Formalisation of the proposal and linguistic adjustment (DE)
WG UIC Maintenance	2019/4/3	App10, 4.19+Ann6	Final version
Wagon User UIC Study Group	2019/5/22	App10, 4.19+Ann6	Approval
GCU CC	2019/6/18	App10, 4.19+Ann6	Approval

Title	Supplement to 4.19 Appendix 10
Proposed amendment made by (RU / keeper / other body):	ERFA / Hupac Intermodal SA
Proposed amendment concerns:	4.19+Ann6 App10
Proposer:	Luca Mandelli
Location, date:	Chiasso, 2018/11/6
Concise description:	Supplement to 4.19 in accordance with codes 4.6.2.1 and 4.6.2.2 of GCU Appendix 9

1. Starting point (current situation):**1.1. Introduction**

Only rules for replacement of earth connections are provided in 4.19; otherwise, the rules are missing.

However, cases in which earth connections have been damaged or are loose should also be covered, similar to the provisions contained in codes 4.6.2.1 and 4.6.2.2 in GCU Appendix 9.

1.2. Mode of operation

Description in Appendix 10 of measures to remedy defects identified as per codes 4.6.2.1 and 4.6.2.2 in Appendix 9.

1.3. Anomaly / description of problem:

No measures to remedy loose or damaged earth connections are provided in 4.19.

1.4. Does this concern a recognised code of practice* (e.g. DIN, EN)?

No Yes (state which): GCU Appendix 9

* "Code of practice: a written set of rules that, when correctly applied, can be used to control one or more specific hazards."
(Source: Regulation EC 352/2009, 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 – German Ministry of Justice)

2. Target situation**2.1. Elimination of anomaly/problem (goal)**

Cases of damaged and loose earth connections should also be dealt with in 4.19 (already contained in Appendix 9)

3. Additional text and/or changes relate only to proposed amendments to GCU Appendix 10

4.19 **The earth connections' connecting parts must be checked and fastened if necessary.** Missing or damaged earth connections (straps or cables) and connecting parts must be replaced. ~~It must however be possible to see that an earth connection existed before.~~ Connection points indicate that earth connections must be present.

Appendix 10 - Annex 6

GCU Intervention code	Intervention(s)	Any additional information necessary	Inspection as per Appendix 9	Rules as per Appendix 10
CU40191	Attach earthing braid	Bogie number or axle-box position number	4.6.2.x	4.19

Colour code for changes:

Black: Current text, for info and remains unchanged

Blue: New text

Strikethrough blue text: text will be deleted

4. Reason:

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). Justify observations

Operations: 1 no impact

Interoperability: 5 (detailed cases, the same as those in Appendix 9)

Costs, administration: 1

Safety: 5 (same cases as in Appendix 9)

Competitiveness: 1 (no impact)

6. Safety appraisal of proposed amendment

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

The risk assessment is rendered invalid inasmuch as only recognised regulations are implemented.

Risk assessment conducted by:

6.1. Does the change made impact on safety?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason: no change to the target status - just a specification for repairs.	
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 estimate 	
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]