

## Proposed amendment to Appendix 9 to the GCU

### Record of amendments

Amended by	Date	Paragraph	Amendment
S. Zebracki	28/02/2022	6.6.8 and 6.6.8.1	Drafted
TTI WG decision	22/03/2022	6.6.8 and 6.6.8.1	Update in the meeting and input of remarks from TTI WG 03/2022
WU SG decision	16/05/2022	6.6.8 and 6.6.8.1	In accordance with WU SG minutes of May 2022
GCU JC decision	09/06/2022	6.6.8 and 6.6.8.1	Approved

<b>Title</b>	Code for defects in hydraulic components
<b>Proposed amendment made by RU/keeper/other:</b>	DB Cargo AG
<b>Proposed amendment to:</b>	<input checked="" type="checkbox"/> Appendix 9 <span style="margin-left: 200px;"><input type="checkbox"/> Appendix 11</span>
<b>Proposer:</b>	Sven Seligmann
<b>Location, date:</b>	Mainz, 28/02/2022
<b>Concise description:</b>	Addition of code 6.6.8.1 for standardised reporting of defects in electrohydraulic/hydraulic equipment on freight wagons

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

<b>1.1. Introduction</b>
Wagons are fitted with electrohydraulic/hydraulic equipment. A code is to be provided to enable standardised reporting of defects in such equipment.
<b>1.2. Mode of operation</b>
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<b>1.3. Anomaly / description of problem:</b>
There is currently no code for defects in electrohydraulic/hydraulic equipment.

<b>1.4. Does this concern a recognised code of practice* (e.g. DIN, EN)?</b>
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (state which):
<p>* "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)</p> <p>"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" (translation/source: BMJ Handbuch der Rechtsförmlichkeit – German Ministry of Justice)</p>

**2. Target situation**

<b>2.1. Elimination of anomaly/problem (goal)</b>
Addition of code 6.6.8.1 for standardised reporting of defects in electrohydraulic/hydraulic equipment. This will ensure that visible defects can be reported to the keeper.

### 3. Amendments/additional texts (relate only to proposed amendments to GCU Appendix 9):

Colour codes for changes:

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

**Red:** New text

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

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Irregularity class
<b>Wagons with hydraulic equipment</b>	6.6.8			
	6.6.8.1	<b>Leak</b> <ul style="list-style-type: none"> <li>• Continuous dripping</li> <li>• Oil spillage</li> </ul>	Rectify, if not possible, detach wagon	4

### 4. Reason:

Wagons with electrohydraulic/hydraulic equipment are in use. Code 6.6.8.1 is to be added for standardised reporting of visible defects in such equipment.

### 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*

Impacts:

Competitiveness, administration, costs (value: 2)

Safety, operations, interoperability (value: 3)

## 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 made impact on safety?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reasoning: Visible defects have been reported up to now, but without a uniform code.	
<b>6.2. Is the change significant?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reasoning: see template Attach the "significant change" test template.	
<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
<i>For each type of risk, one of the following risk acceptance criteria is to be selected:</i> <ul style="list-style-type: none"> <li>• <i>Code of practice</i></li> <li>• <i>Use of reference system</i></li> <li>• <i>Explicit risk estimate</i></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]