

Amendments and additions to the GCU: proposal sheet

Appendix 10 - Art. 1.6 GCU

<p>1. Present the problem (with examples and, if possible, figures giving a measure of the scope of the problem):</p> <p>Concerns Appendix 10, point 1.6, "wheel flats": Appendices 9 and 10 use the same limit values. However, these are not the same as the wear values given in EN 15313.</p> <p>It will also be necessary to update Appendix 9, damage code 1.3.3 in order to render Appendices 9 and 10 consistent with one another.</p>	<p>2. Show why and where the GCU is lacking in this respect:</p> <ul style="list-style-type: none"> a. The value currently stipulated by Appendix 10 is 60mm for wheel tread defects, whatever the features of the axle. b. EN 15313 uses as an example a maximum wear limit of 50 mm for axle loads > 22.5 t and 60 mm for axle loads ≤ 22.5 t (wheel of diameter greater than 840mm). 												
<p>3. Explain why the problem described can only be resolved through the GCU:</p> <p>This is an update to the GCU Noise: will reduce the noise caused by wheel flats.</p>	<p>4. Outline why the problem should be solved as it is envisaged in the proposed amendment / addition:</p> <p>Incorporates limit values of EN 15313.</p>												
<p>5. Describe how the proposed amendment or addition will help to solve the problem:</p> <p>Clear definition of limit values.</p>	<p>6. Evaluate the possible positive and negative impacts (operational, costs, administrative, interoperability, safety, competitiveness, etc.), using a scale from 1 (very low) to 5 (very high):</p> <table style="width: 100%; border: none;"> <tr> <td>Operations:</td> <td style="text-align: right;">+0</td> </tr> <tr> <td>Cost:</td> <td style="text-align: right;">+0</td> </tr> <tr> <td>Administration:</td> <td style="text-align: right;">+0</td> </tr> <tr> <td>Interoperability:</td> <td style="text-align: right;">+0</td> </tr> <tr> <td>Safety:</td> <td style="text-align: right;">+2</td> </tr> <tr> <td>Competitiveness:</td> <td style="text-align: right;">+0</td> </tr> </table>	Operations:	+0	Cost:	+0	Administration:	+0	Interoperability:	+0	Safety:	+2	Competitiveness:	+0
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7. Proposed text (amendments in *blue*)

1.6 The wheel tread must not:

- be partly crushed;
- display wheel flats, shelling, exfoliation or metal build-up:
 - over 60 mm in length for wheels of diameter > 840 mm and axle load < = 22.5 t (maximum load limit D or less)
 - over 50 mm in length (maximum load limit E) for wheels of diameter > 840 mm and axle load > 22.5 t
 - over 40 mm in length for wheels of diameter < = 840 mm and > 630 mm
 - over 30 mm in length for wheels of diameter < = 630 mm
- have cracks at the transition between the tread and the outer face or on the flange top
- display any hollowing or "false flange" deeper than 2 mm or any sharp-edged grooves