### Amendments and additions to the GCU: proposal sheet

**Appendix 10 - Art. 1.6 GCU**

<table>
<thead>
<tr>
<th>1. Present the problem (with examples and, if possible, figures giving a measure of the scope of the problem):</th>
<th>2. Show why and where the GCU is lacking in this respect:</th>
</tr>
</thead>
</table>
| 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. | 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). |

<table>
<thead>
<tr>
<th>3. Explain why the problem described can only be resolved through the GCU:</th>
<th>4. Outline why the problem should be solved as it is envisaged in the proposed amendment / addition:</th>
</tr>
</thead>
<tbody>
<tr>
<td>This is an update to the GCU Noise: will reduce the noise caused by wheel flats.</td>
<td>Incorporates limit values of EN 15313.</td>
</tr>
</tbody>
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<tr>
<th>5. Describe how the proposed amendment or addition will help to solve the problem:</th>
<th>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):</th>
</tr>
</thead>
</table>
| Clear definition of limit values. | Operations: +0  
   Cost: +0  
   Administration: +0  
   Interoperability: +0  
   Safety: +2  
   Competitiveness: +0 |
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