IWG for Wet Grip on Worn Tyres (WGWT)

Status report to 75th GRBP (February 2022)
Background and roles

• Roles
  • Chair: France
  • Co-chair: European Commission
  • Secretary: ETRTO

• IWG WGWT webpage:
  https://wiki.unece.org/pages/viewpage.action?pageId=80380967
Meetings and participants

• Meetings:
  • 29th WGWT: 9 November (Webconference)
  • 30th WGWT: 29 November (Webconference)
  • 31st WGWT: 15 December (Webconference)
  • 32nd WGWT: 12 January (Webconference)
  • 33rd WGWT: 19 January (Webconference)
  • 34th WGWT: 27 January (Webconference)
  • 35th WGWT: 3 February (Webconference)

• Participants:
  • CP: China, European Commission, France, Germany, Netherlands, Japan, Spain.
  • NGOs: ETRTO, ITMA, JATMA, OICA, ITTAC, USTMA
Work progress since last GRBP

• IWG work
  • Agreement of the thresholds for wet adhesion performance for tyres in worn state
  • Agreement on the test conditions

• Two subgroups:
  • Post processing
    • Assess IWG particular request: market share of potential cluster, ...
  • Drafting
    • Informal document GRBP-75-25 to complete WP29/ 2022/11 for adoption at 75th GRBP session and consideration at June WP29
Work progress since last GRBP

• Items still open
  • Work on the clusters (peculiar tyres) definition and corresponding thresholds

• Additional assessment requested by the IWG
  • Improve the stability of the reference tyre (mould SRTT worn)
  • Improve the test precision

• Foreseen test campaigns
  • April – June 2022: mould SRTT worn assessment
  • 2023: additional test campaign for improvement of test precision

→ Updated ToR as per GRBP-75-28 accordingly
Two step approach for C1 tyres in worn state

- Some peculiar tyres need to be addressed in a second step:
  - Market share
  - Definition
  - Thresholds

<table>
<thead>
<tr>
<th>Category</th>
<th>WGI in Worn state</th>
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<tbody>
<tr>
<td>Normal</td>
<td>≥0.88*</td>
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<tr>
<td>Snow (M+S)</td>
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<tr>
<td>3PMSF SS &gt; Q</td>
<td>≥0.80</td>
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<tr>
<td>Ice</td>
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<tr>
<td>3PMSF SS≤Q</td>
<td>≥0.70</td>
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<tr>
<td>Special Use</td>
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*Normal tyre with aspect ratio ≤ 40 and Speed Symbol Y or ZR(Y): threshold ≥0.80 --> to be further defined in R117.04

GRBP 75th session
Next steps

• Finalise the 2\textsuperscript{nd} step approach for C1 thresholds

• Introduce the work on mould SRTT worn as suppl. 1 to 03 series for adoption at 76\textsuperscript{th} GRBP in September 2022

• Propose C2 and C3 concept in a new 04 series of amendments to R117 for adoption at 76\textsuperscript{th} GRBP in September 2022

• Improve the test precision thanks to the additional test campaign
  • Informal document at 78\textsuperscript{th} GRBP session in September 2023
  • Working document for adoption at 79\textsuperscript{th} GRBP session in January 2024
### New timeline

**Document Submission Timeline**
- Informal document supplementing WP29 for Feb. 2022 GRBP
- WP29 adoption working document
- Mould SRTT worn assessment
- Working document as supplement 1 for Sept. 2022 GRBP
- Working document as supplement 1 for March 2023 WP29
- Test precision improvement: test campaign
- Informal & working documents for Sept. 2023 & Jan. 2024 GRBP
- Step 2 C1 (clusters definition and thresholds)
- Working document for 04 series (C2, C3) for Sept. 2022 GRBP

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<tr>
<td>Working doc  for 04 series</td>
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**Other Important Dates**
- New 03 series: C1 tyres in worn state
- C1 tyres in worn state – second step (clusters)
- 04 series: C2-C3 tyres in worn state
- Update: mould SRTT worn
- Update: test precision improvement

**Document Adoption Timeline**
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**Entry into Force**
- Update: mould SRTT worn

**Additional Test Campaign**
- Update: test precision improvement

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IWG for Wet Grip On Worn Tyres
Thank you for your attention!