Study on TPMS for reduction of LCV and HDV fuel consumption and CO2 emissions

European Commission
Directorate-General for Climate Action (DG CLIMA)

19 – 22 February 2013
GRRF 74th session, Geneva

Contractors
TNO & TUG
Overview

1. Aim of the work
2. The work to be performed
3. Stakeholder questionnaire and workshop
1. **Aim of the work**

Gather information which helps the Commission to assess rationale and benefits of TPMS for LCVs and HDVs

Relevant information about TPMS contains:
1. Potential CO2 benefit of TPMS
2. Potential economic benefit of TPMS
3. Technical maturity of technology
4. Effectiveness CO2 vs economy
5. Effective introduction
1. **Aim of the work**

The study is to be performed for the following vehicle classes:

- **LCVs** (N1 vehicles and N2 and M2 with reference mass not exceeding 2610 kg),
- **HDVs** (vehicles of class N2 and M2 that are not LCVs and M3 and N3 vehicles).

<table>
<thead>
<tr>
<th>EU class</th>
<th>Example</th>
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</thead>
<tbody>
<tr>
<td>M2</td>
<td><img src="image1" alt="M2 Example" /></td>
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<tr>
<td>M3</td>
<td><img src="image2" alt="M3 Example" /></td>
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<tr>
<td>N1</td>
<td><img src="image3" alt="N1 Example" /></td>
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<td><img src="image4" alt="N2 Example" /></td>
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<td>N3</td>
<td><img src="image5" alt="N3 Example" /></td>
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</table>
2. The work to be performed

- Influence of under inflation on LCV/HDV emissions and potential reduction due to TPMS
- TPMS state-of-the-art
- Market evaluation
- Safety
- Cost-Benefit Analysis
- Potential for legislation and impact

- Start date: January 2013
- End date: June 2013
3. Stakeholder questionnaire and workshop

- **Questionnaire** (3 versions for different stakeholders)
  
  *published as informal documents on UNECE GRRF website*

  You can react until:
  **Thursday 14 March 2013**

- **Stakeholder workshop**
  
  **May 2013** (exact date to be confirmed yet)
Thank you for your attention

If you have specific questions, please contact:

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