Study on requirements and test procedures for TPMS for vehicle categories M2, M3, N2, N3, O3 and O4
The political mandate for TPMS


- Required functionality:
  - 'tyre pressure monitoring system' means a system fitted on a vehicle which can evaluate the pressure of the tyres or the variation of pressure over time and transmit corresponding information to the user while the vehicle is running;
  - The TPM system shall:
    - Be capable of working with environmental conditions in all Member States
    - Provide an appropriate warning to the driver
    - Be designed to avoid resetting or recalibrating at a low tyre pressure
Task and relevant timelines

- TRL’s task is to:
  - Draft requirements and test procedures for type-approval of Tyre Pressure Monitoring (TPM) Systems
  - Trial the draft procedures
  - To be based on physical test (e.g. test track-based) based on the procedure as defined by UN R141 under additional consideration of the proposals submitted by third parties
- Implementation:
  - Vehicle categories: M2, M3, N2, N3, O3, O4
  - New types 05/2022, Existing types 05/2024 (actual dates defined relative to date of entry into force, currently assumed to be November 2019)
Technical approach and delivery status

- **Status:**
  - Completed
  - In progress
  - Started
  - Not started
  - Not started

- **Activities:**
  - Review of standards, test procedures and research
  - Draft outline of regulation technical contents
  - Develop regulatory technical text
  - Trial test procedure and update
  - Bilateral meetings (OEMs, Tier 1 experts)
  - EC review

- **Current Status:**
  - EC review
  - Report to EC
Timelines TRL TPMS workstream

- Stakeholder consultation in parallel with development of requirements/testing plan: April 2020
- Testing of draft method: April/May 2020
- Interim report: June 2020
- Review of interim report: during June/July 2020
- Finalise work: November 2020
Thank you for your attention

DG GROW – Unit C4

Further information: