

# **EGEA Council Meeting Technical Committee Working Group 4 “Tyre / Wheel Servicing Equipment” Amsterdam October 17, 2012**

# Standardisation of Tyre Pressure Gauges & Tyre Pressure Management Systems

- As already reported in Barcelona, the only subject in WG 4 is currently the standardisation of tyre pressure gauges & tyre pressure management systems in working groups TPG - CEN/TC301/TF2a / WG8 + TPMS - CEN/TC301/TF2b / WG9.
- During the last meeting of working group TF2a / WG8 in Dordrecht / Netherlands on July 4 and 5, 2012 [they handle the revision of EN 12645 (Pressure gauges – Apparatus for inspection of pressure and/or inflation of tyres for motor vehicles – Metrology, requirements and testing)], some outstanding items such as temperature influence and correct test pressure were discussed. Next meetings are scheduled to take place in Dordrecht on Oct 24/25, 2012 and Dec. 11/12, 2012. The scheduled publication date of the new EN 12645 is mid-March 2013.

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- The second working group TF2b / WG9 is much more active, handling new opportunities of communication between TPMS and TPG. Since March 2012 this working group held another four meetings, three in Paris and one in Berlin at the VDA headquarters.
- In particular prior to the latest meetings the automobile and tyre industries submitted several proposals for and objections against the new European standard “pr EN 00301030:2011” which were then discussed in the relative meetings.

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- Below once again a summary of the most important boundary conditions to be taken into account in the communication between TPMS and TPG.
- The new EN standard applies to the metrological TPG which use pressure equipment to inflate the tyres of road vehicles (categories M1, M2, N1, N2) and which may capable of interacting with vehicles equipped with TPMS whereby the TPG can be controlled by the TPMS/ vehicle.
- To set the correct tyre inflation pressure, this standard defines requirements and processes for the interoperability of TPG with TPMS/vehicle through standardised interface and data exchange formats allowing advanced information, management and control systems between TPG and TPMS/vehicle. The architecture is open and scalable to support the different levels of interoperability (from full interoperability to backup (fully manual)).

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- This standard does not define communication protocols (works specifically made under M453 European mandate).
- This standard may be applied to all TPG categories referenced in Revision of EN 12645.
- Open items should be discussed and approved in the next meeting which is scheduled for October 16 and 17, 2012 in Paris.
- The schedule still is to submit the proposal by late 2012 and to publish the final version accepted by all EU members in October 2014.