



**EGEA Council Meeting
Technical Committee
Working Group 4
“Tyre / Wheel Servicing Equipment”
Barcelona March 14, 2012**

Standardisation of Tyre Pressure Gauges & Tyre Pressure Management Systems

- The only current topic in WG 4 continues to remain the standardisation of tyre pressure gauges & tyre pressure management systems in working groups TPG - CEN/TC301/TF2a / WG8 + TPMS - CEN/TC301/TF2b / WG9.
- As already reported in Paris in October 2011 the proposal elaborated in working group TF2a / WG8 about revision of EN 12645 (Pressure gauges – Apparatus for inspection of pressure and/or inflation of tyres for motor vehicles – Metrology, requirements and testing) was submitted to CEN TC301 on September 20, 2011 and forwarded from there to all EU members for revision and approval. To this date not all EU members have replied yet. The scheduled publication date of the new EN 12645 is mid-March 2013.

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- In the meantime the second working group TF2b / WG9 had another three meetings, all held in Paris, on October 19 and 20, 2011, December 05 and 06, 2011 and February 15 and 16, 2012.
- As already reported the feasibility study about compatibility and communication between TPMS and TPG was submitted to CEN TC301, and the working group elaborated an EN standard under the working title “prEN 00301030:2011”
- The working group concluded positively, using V21-12V data transfer based on IEEE 802.11p WAVE (band 5875-5905 MHz reserved for road safety and traffic efficiency).

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- The new EN standard applies to the metrological TPG which operate using pressure equipment to inflate the tyre of road using vehicles (M1, M2, N1, N2 categories) and which may be capable of interacting with vehicles equipped with TPMS whereby the TPG may be steered by the TPMS/ vehicle.
- To set the correct tyre inflation, 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.
- The influential factors to be taken into consideration had already been listed in my latest report so that there is no need to repeat them.
- Open items should be discussed and approved in the next meetings which are scheduled for April 17 and 18, 2012 in Paris and probably for June 12 and 13, 2012 in Berlin.
- 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.