

Informal document No. GRPE-52-16
(52nd GRPE, 6-9 June 2006,
agenda item 1.3.)



WWH-OBD

Report of the WWH-OBD informal group to GRPE

08 June 2006

GRPE 52 June 2006



Status

● Administrative status

- Formal document 2006/08 r1 has been submitted to GRPE
- Final report (2006/19) submitted to GRPE by the sponsor country
- 4 issues were remaining. 2 have been solved (formal GRPE approval requested). 2 were considered out of the WWH-OBD field of responsibility
- The two-step approach for standardizing the OBD off-Board Communication with test equipment has been validated
- Possible "copyright issue" has been reported. SAE has been said to complain ISO/PAS refers to SAE elements of standard without the proper commercial approach.

● Technical status

- 2 sections have been modified in order to address the 2 step approach
- ISO/PAS 27145 is ready for ballot. Ballot result expected mid August.
- SAE 1939 has entered the formal modification process. Ballot result expected mid August



Administrative. Remaining issues

1- proposal - "replacement parts"

- The following amendment is proposed to replace the text in bold characters in section 5 (Administrative considerations) of part A (Justification and Technical rationale):

(b) to the extent appropriate according to the laws of the Contracting parties, the availability of OBD related information for verifying that replacement parts, which are critical to the correct functioning of the OBD system, are compatible with the vehicle OBD system [text to be agreed by the Contracting Parties].



Administrative. Remaining issues

2- proposal - "Benefit of the new ISO standard"

- The following text is proposed to be deleted in section 6.2 (Extension of the GTR) of part A (Justification and Technical rationale):

But, in its meeting on 6-7 November 2002, the WWH-OBD working group determined that the primary aim should be to have one common protocol for ~~the presuming it would benefit~~ all sectors operating under the umbrella of "the automotive industry".

- The following amendment is proposed to replace the text in bold characters in section 6.2 (Extension of the GTR) of part A (Justification and Technical rationale)

Contracting Parties are encouraged to consider the timing of such legislation with respect to adequate industry leadtime, and the **impact on automotive industry sectors operating under the umbrella of "the automotive industry."**



Administrative. Remaining issues

3- "Transposition"

- The following text has been deleted by GRPE secretariat from the WWH-OBD original proposal.

Contracting Parties are not required to submit the technical regulation contained in this gtr to their adoption process earlier than three years after its establishment.

After the 3-year period, Contracting Parties may further postpone the submission if the postponement is needed to bring into force this gtr together with the gtrs on the World Heavy-Duty Test Cycle (WHDC) and / or on Off-Cycle Emissions (OCE).

- GRPE is suggested to address this deletion



Administrative. Remaining issues

4- "Adaptation to technical progress"

- GRPE is suggested to address the following text proposal in module B "Emission related OBD":

To serve the purpose of this module, Contracting Parties are authorized to establish complementary requirements and to adapt requirements to technical progress in accordance with Article 7.6 of the 1998 Agreement [paragraph to be agreed].

- Received proposals:
 - The text may be deleted
 - The text may be moved (after adaptation) into part A



Administrative - Communication protocols

2 steps approach

- GRPE has been informed in January on a possible 2 stage approach for Communication protocols. Final validation from GRPE requested:

Stage 1

- Create and release ISO documents as Public Available Specification (PAS) and release SAE J1939 modifications to meet WWH-OBD GTR deadline
- Limit specification to CAN-based communication

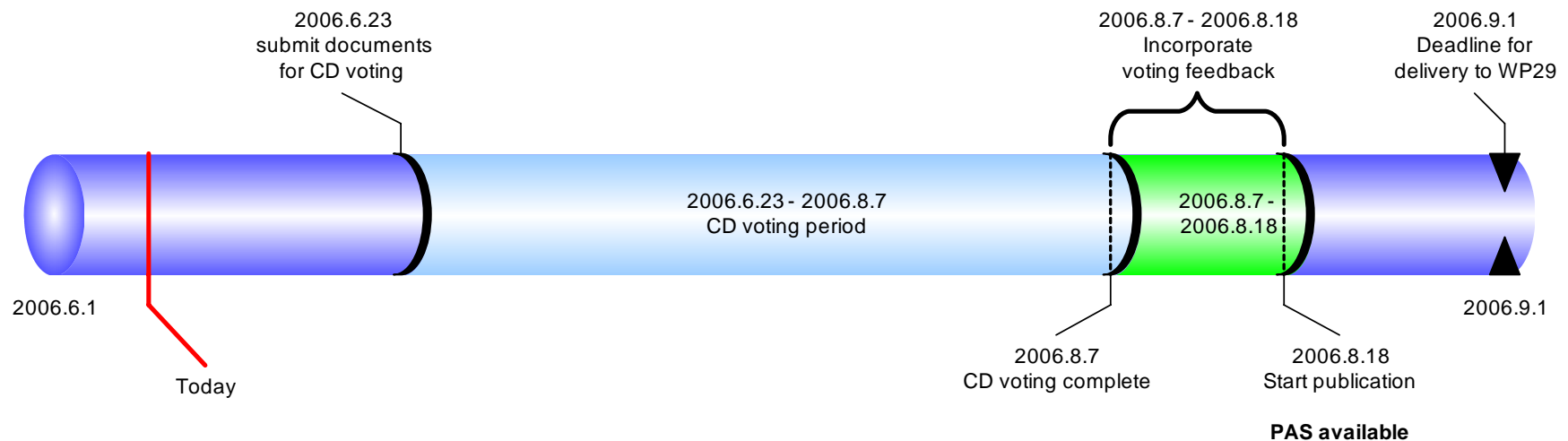
Stage 2

- Extend ISO document set to include external test equipment definition / compliance test cases and release it as International Standard
- Include Internet Protocol (TCP/IP) over wired Ethernet (extendable to wireless communication) in ISO 27145-4 as physical / data link / network layer



Technical - Communication protocols ISO time-line

- ISO submitted the following time-line for the 1st stage:





Technical - Communication protocols SAE time-line

- SAE submitted the following time-line:

	Jun	Jul	Aug	Sep	Oct	Nov	Dec
J1939-73							
Subcommittee	————						
Committee		————					
Publication			———				
J1939-03							
Subcommittee	————						
Committee		————					
Publication			———				



Technical – Text of the GTR *Adaptation to the 2 steps approach*

- No reference is made in the GTR ISO 27145-5 (test equipment / compliance requirements) and 27145-6 (test-equipment). These standards will not be mentioned in Annex 1 to module A.
- Section 4.4.1.2 will be reserved as follows
4.4.1.2 [reserved for TCP/IP (Ethernet) based wired communication]

The former text of this section will be moved into part A (section 6 - future extension of the GTR) and adapted accordingly



Summary

- GTR content 99% finalised
 - WWH-OBD and GRPE inputs to be incorporated
 - Detailed editorial review (typographic errors, etc..) to be performed
- Availability of the standards referred to by the GTR to be confirmed before its submission to WP29/AC3
- 3 unsolved issues (2 administrative & the SAE copyright)