IG CMS-II – 07-01.Rev.2

29.01.2015

**7th meeting IG CMS-II**

**28 and 29 January 2015**

**Informal Group on Camera Monitoring Systems**

**in Regulation No. 46**

**PROTOCOL**

Location:

Audi Electronics Venture,   
Sachsstraße 20,   
85080 Gaimersheim,

Germany

Chairman: Harry Jongenelen (RDW) (HJongenelen@rdw.nl)

Secretariat: Kai Schönemann (Kai.Schoenemann@gentex.de)

Duration of the sessions: Wednesday, 28 January 2015, 09:00 until 17:00 CET  
 Thursday, 29 January 2015, 09:00 until 17:00 CET

1. Welcome
2. Agenda (IGCMS-II-07-01 Rev.1)
3. Approval of the last protocol (IGCMS-II-07-02) - approved

3a. BAST: status of the presentation/investigation (presentation by Bast)

1. Finalization of the Formal Document for the GRSG (outstanding points) (IGCMS-II-07-04):
   * 6.2.2.3.4.5.3. and Annex 12, paragraph 2.3, Point light sources (IGCMS-II-07-10, Mr. Oba and Mr. Herrmann) -> agreed, will be incorporated in ANNEX 12

Mr. Gerlach presented pictures of PLS on mirrors, 200m and 400m distance (different scale), low and high beam

IGCMS-II-07-18 PLS justification, Mr. Damm – contribution adjusted, to be incorporated in the justification IGCMS-II-07-05

* 6.2.2.3.4.5.3.: Germany and Netherlands agreed to proceed with proposal 2 to allow a progress for the IGCMS work
  + 16.1.8, influence of weather or environment, - paragraph will be deleted
  + 16.2.3, position of monitor class V or VI – comment deleted and keep the wording for classes V and VI.
  + 6.2.1.3, EMC IGCMS-II-07-11, Mr. Guiting; text has been adjusted and implemented
  + 2.2. (b): the strike through “and radius of curvature” has been taken back: the existing regulation shall not be changed in any aspect
  + 16.1.3.1, reservation from OICA on new values, (IGCMS-II-06-23) – magnification have been discussed and agreed between OICA and BMVI, confirmed from IG
  + 2.2. (c): Mr. Guiting to draft a proposal later – will be adjusted on a later state
  + 16.1.5.2 and 16.1.5.3, reference to driver’s ocular points, IGCMS-II-07-08 being discussed
  + 6.2.2.3 (verification of definitions), Mr. Heinemann
  + 6.2.2.2.4.: 2.1.5 has been adjusted; ISO information added, 6.2.2.2.4. deleted (obsolete)

1. Verification of draft Formal document for GRSG ( for details of corrections see IGCMS-II-07-04)
   * 2.1.2 Abbreviation CMS for Camera-monitor device – renaming of CM device(s) -> system(s) throughout the document
   * 2.1.7 (definition critical object),
   * 2.6 (Figure ZZ), figure references to Annex 12, figure 3
   * 2.1.5. Luminance Contrast: extend the definition, delete the 6.2.2.2.4. and
   * 4.2 (approval marking), comment deleted
   * 6.2.2 (reference to paragraph 6.3) – text from 6.2.2. copied to 6.3.
   * 6.2.2.3.3 (renumbering and reference to Annex 12, paragraph 3.3), paragraph has been adjusted, following paragraphs renumbered
   * 6.2.2.3.4.1.1 (square brackets around last sentence), note has been deleted
   * 6.2.2.3.4.2. (footnote 3), footnote deleted after comment from Mr. Herrmann

OICA: bi-state mirror/monitor: the lumincance and contrast need to be reduces due to display/mirror technology, see IGCMS-II-06-12 from OICA

* + 6.2.2.3.4.2.1 (figure XX and figure YY), numbering and link deleted
  + 6.2.2.3.4.4 (last sentence), comment and sentence deleted
  + 6.2.2.3. 4.7 (geometric distortion, footnote 4), footnote and comment deleted
  + 6.3.2.2.7.2 (a) and (b), reference to 6.3.2.2.4, - reference corrected
  + 15.2.1.1.2, verification of “ignition on”, (IGCMS-II-07-16) – proposal implemented
  + 15.2.1.1.3, use of “exterior rear view mirror”, - implemented
  + 15.2.2.4 and 15.2.3.2, exclusion of class V mirrors, - text is correct, remark removed
  + 16.1.1.1 and 16.1.1.2, references to be verified – references corrected
  + 16.1.1.1./2.: VW asked for opening up the Regulation for parking situation or other special driving situations: proposal: delete the 16.1.1.2. Adjusted default view
  + 16.1.2.1, proposal to delete, - paragraph is already in 16.1.1.
  + 16.1.5, monitor inside the vehicle (IGCMS-II-07-08); adjusted and confirmed
  + 16.1.5.3, inclusion of NOTE,
  + Annex 3, point 9, reference to 6.1.3.1.1,
  + Annex 5, use of the word exterior”, - corrected to device
  + Annex 12, need for paragraph 1, - paragraph deleted, renumbering and references
  + Annex 12, paragraph 3.1, use of word “Annex” and referenced
  + Annex 12, paragraph 3.3.1 and 3.5.2, reference to paragraph 4 - corrected
  + 16.1.1 , engine switch off, OICA contribution IGCMS-II-07-21 being discussed and improved, agreed and incorporated

1. Justifications for all proposals on R46 (document IGCMS-II-07-05 Rev.1)
2. Proposals for amending other regulations:  
   - R10, EMC (IGCMS-II-07-13)  
   - R26 (IGCMS-II-07-07 Rev.2, ~~for information only~~)  
   - R43, safety glazing (IGCMS-II-07-09 Rev.1, OICA)  
   - R52 and 107, buses and coaches (proposal will follow) (IGCMS-II-07-15)  
   - R61 (IGCMS-II-07-06, for information only)  
   - R79, steering equipment (IGCMS-II-07-14)  
   - R94, occupant protection in frontal collisions (IGCMS-II-07-12).

- R125, driver’s direct view (IGCMS-II-06-21, Germany)

1. A.O.B.  
   - availability of ISO16505:2015: early 2015
2. Next meetings, dates and venues:
   * 8th session, 18 and 19 March 2015, Stuttgart at Daimler

Thursday 18.03.2015, 10.00 – 17.00 CET

Friday 19.03.2015, 9.00 – 15.00 CET

Note: Any comments or documents relating to this meeting should be sent to the IG-Secretariat (Kai.Schoenemann@GENTEX.de) in e-format well in advance of the meeting, so that documents can be made available to the UNECE secretariat for publication on the website of WP29 – GRSG – IGCMS