1st meeting IG CMS-II
05. and 06. February 2013
Informal Group on Camera Monitoring Systems
in Regulation No. 46

Meeting-Protocol

Location:
TÜV Rheinland Group
Am Grauen Stein
51105 Köln
TÜV Rheinland

Chairman: Harry Jongenelen (RDW) (HJongenelen@rdw.nl)
Secretariat: Kai Schönemann (Kai.Schoenemann@GENTEX.de)

Duration of the sessions: Wednesday, 05 February 2014, 1:30pm until 6:00pm
Thursday, 06 February 2014, 9:00am until 5:00pm

1. Welcome and introduction of the participants
   a. Welcome and Introduction of Participants

2. Approval of the agenda
   a. Involved Documents ISO 16505 and KMS proposal

3. Term of Reference for the informal group GRSG-105-27
   a. Agreement to the document, but
   b. Correction 2: A.2.(a) ...for improvement... (same conditions for mirrors and CMS)
   c. Correction 1: A.2.(a) mirror classes I to IV (and VII)

4. Terms of Reference

5. Available documents: introduction and heads up
   a. GRSG/2011/23/Rev.1 (Mr. Jongenelen)
   b. ISO 16505 (Dr. Heinemann)
      i. Scope and starting point coming from IG CMS-I
      ii. Summary of content:
         i. mirror types (ECE I-IV, FMVSS111, Japanese types),
         ii. Field of View according to ECE/TRANS/WP.29/GRSG/2011/23/Rev.1
iii. magnification and resolution,
iv. image quality

iii. Introduction of the FDIS document
   i. all major chapters and topics
   ii. chapter 6. Requirements with more detailed explanation
       remark: 6.3 Operating Readiness (one key demand from GRSG)

iv. FDIS publication in May/June 2014
v. ISO 26262 Functional Safety forwarded issue to be discussed later

c. German KMS working group: proposal (Mr. Damm)
   i. participating parties in the working group, intention of the group
   ii. Annex “XX” and 6.2.2.2. introduced
   iii. going through items in the Annex “XX”
   iv. Annex “XX” 1.: sentence one has be to revised

v. Discussion/Definition: ISO 16505 – is a technical standard; in addition there
   have been added some adjustments from Governmental side in terms of
   safety -> to be defined and agreed in the R46 adjustments

vi. Presentation of BAST: Mr. Herrmann to present an explanation for the “clear
    sky”

6. Publication of working documents on UNECE website
   remark: all provided documents will be published on the website

7. Replacement of mirrors by CMS: Working Document R46
   a. Proposal to 15.3.1. and annex xx 2.6.5. from Mr. Damm, agreed
   b. Proposal to adjust in ECE 125, paragraph 5.1.3. to be forwarded to GRSG (Mr. Jongenelen)
   c. ANNEX “xx” becomes ANNEX 12
   d. Proposal to exclude class VII off the ECE46 (- Mr. Jongenelen to clarify)
   e. ANNEX 12 adjustments
      i. title and first paragraph adjusted
      ii. item 2.1: request to review the R46 ANNEX 1 documents
      iii. item 2.2/2.3: to be revised to a similar meaning like mirrors (Mr. Pichon)
      iv. item 2.4: proposal from Mr. Damm incorporated
      v. item 2.5: agreement to the adjustment, but objection from (Mr. Pichon)
      vi. item 2.6.2: finally agreement on the viewing angle, to be formulized (Mr. Damm)

vii. item 2.6.3: replace the ECE-R125 by a definition out of ECE-R43:
     proposal from Mr. Pichon and Mr. Esser
viii. item 2.6.4.: Renault/Nissan doesn’t want to ban the center position on the dash as a combined display; BMVBS doesn’t allow any options on the monitor/display placement as proposed as no reliable studies have been presented: Mr. Boulay will present actual investigation
ix. item 2.7.: agreement besides day time condition to be reviewed on 2nd meeting (ppt from BAST)

x. item 2.8.: on 2nd meeting new information will be reviewed
xi. item 2.9., 2.12.: Mr Shinki with some objection, to be re-discussed
xii. item 2.10., 2.11.: on 2nd meeting new information will be reviewed
xiii. item 2.13.: adjusted with FoV.

f. ANNEX 12, item 2.1: Review ANNEX 1, item 9.1ff (postponed to 2nd meeting)

8.—— Points for attention
9.—— Any other business
10. Draft agenda for the next meeting (postponed to the 1st web meeting)
11. Next meetings, dates and venues.
   a. 1st telephone conference/web meeting:
      Tuesday 05.03.2014, 9:00 - 11:00 CET
   b. 2nd meeting: in Berlin, TUV Rheinland
      Thursday 27.03.2014, 9:00 - 18:00 CET
      Friday 28.03.2014, 9:00 - 15:00 CET
   c. 2nd telephone conference/web meeting:
      Tuesday 13.05.2014, 9:00 - 11:00 CET
   d. 3rd meeting: Thursday 05./ Friday 06.06.2014 in the Netherlands
   e. 4th meeting: Monday 29./ Tuesday 30.09.2014, “Palais des Nations” in Geneva