

**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
TUV 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 contense:
 - 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 to be 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 formalized
(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