IG CMS-II – 01-03

05/06.02.2014

**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
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2. Approval of the agenda
	1. Involved Documents ISO 16505 and KMS proposal
3. Term of Reference for the informal group [GRSG-105-27](http://www.unece.org/fileadmin/DAM/trans/doc/2013/wp29grsg/GRSG-105-27e.pdf)
	1. Agreement to the document, but
	2. Correction 2: A.2.(a) …~~for improvement…~~ (same conditions for mirrors and CMS)
	3. Correction 1: A.2.(a) mirror classes **I to IV [and VII]**
4. ~~Terms of Reference~~
5. Available documents: introduction and heads up
	1. GRSG/2011/23/Rev.1 (Mr. Jongenelen)
	2. ISO 16505 (Dr. Heinemann)
		1. Scope and starting point coming from IG CMS-I
		2. Summary of contense:
			1. mirror types (ECE I-IV, FMVSS111, Japanese types),
			2. Field of View according to ECE/TRANS/WP.29/GRSG/2011/23/Rev.1
			3. magnification and resolution,
			4. image quality
		3. Introduction of the FDIS document
			1. all major chapters and topics
			2. chapter **6. Requirements** with more detailed explanation

remark: 6.3 Operating Readiness (one key demand from GRSG)

* + 1. FDIS publication in **May/June 2014**
		2. ISO 26262 Functional Safety forwarded issue to be discussed later
	1. German KMS working group: proposal (Mr. Damm)
		1. participating parties in the working group, intention of the group
		2. Annex “XX” and 6.2.2.2. introduced
		3. going through items in the Annex “XX”
		4. Annex “XX” 1.: sentence one has be to revised
		5. 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
		6. Presentation of BAST: Mr. Krautscheid to present an explanation for the “clear sky”
1. Publication of working documents on UNECE website

remark: all provided documents will be published (after agreement) on the website

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

 (Mr. Damm)

* + 1. item 2.6.3: replace the ECE-R125 by a definition out of ECE-R43:

 proposal from Mr. Pichon and Mr. Esser

* + 1. 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 intvestigation
		2. item 2.7.: agreement besides day time condition to be reviewed on 2nd meeting (ppt from BAST)
		3. item 2.8.: on 2nd meeting new information will be reviewed
		4. item 2.9., 2.12.: Mr Shinki with some objection, to be re-discussed
		5. item 2.10., 2.11.: on 2nd meeting new information will be reviewed
		6. item 2.13.: adjusted with FoV.
	1. ANNEX 12, item 2.1: Review ANNEX 1, item 9.1ff (postponed to 2nd meeting)
1. ~~Points for attention~~
2. ~~Any other business~~
3. Draft agenda for the next meeting (postponed to the 1st web meeting)
4. Next meetings, dates and venues.
	1. 1st telephone conference/web meeting:

Tuesday 05.03.2014, 9:00 - 11:00 CET

* 1. 2nd meeting: in Berlin, TUV Rheinland

Thursday 27.03.2014, 9.00 - 18.00 CET

Friday 28.03.2014, 9.00 - 15.00 CET

* 1. 2nd telephone conference/web meeting:

Tuesday 13.05.2014, 9:00 - 11:00 CET

* 1. 3nd meeting: Thursday 05./ Friday 06.06.2014 in the Netherlands
	2. 4th meeting: Monday 29./ Tuesday 30.09.2014 in Geneva