

TF EMC 5TH MEETING
(WebEx/Audio)

DRAFT MINUTES

Schedule: 20 March 2017 / 09:00 – 11:30
Telco: Telephone/Webex
Secretary: F. Golisch (OICA)

Documents are on the UNECE workspace:

<https://www2.unece.org/wiki/display/trans/TF+EMC+5th+session%2C+2017-03-20>

Participants:

Javier SANCHEZ (Spain)
 Walter SAVIO (Italy)
 Stéphane BLANC (France)
 Tom CRAUWELS (CLEPA)
 Benoit MOREAU (OICA)
 Ariel LECCA (OICA)
 Frank GOLISCH (OICA)
 Ayhan GUNSAYA (OICA)
 Mark GRAINGER (OICA)
 Peniamin MATOSSIAN (OICA)
 Akihiko NOJIMA (OICA)

1. Approval of the agenda

Document: TF-EMC-05-01 (TF EMC) Agenda rev 2.docx
 Agenda was approved without changes.

Because of wrong document numbers in relation to the distributed files, a corrected version was created (TF-EMC-05-03 (TF EMC) Agenda rev 3. Docx) and uploaded

2. Approval of the 4th meeting minutes

Document: [TF-EMC-04-minutes](#) (TF EMC) 4th meeting minutes

Minutes are approved as presented.

3. Revision of R10.05

Document: [TF-EMC-05-01](#) (TF EMC) Last updated version of R10.05
[TF-EMC-05-02](#) (TF EMC) Summary of amendments
[TF-EMC-04-04](#) (China) New proposal to amend R10.05 (for reminder)
[TF-EMC-05-04](#) (Italy) Comment on R10.05 -reviewed – Update
[TF-EMC-04-06](#) (France) Comments on document (for reminder)
[TF-EMC-04-07](#)-(Spain) Clarification on China prop. (for reminder)

The “summary of amendments” and the last updated draft version of ECE R10.05 was discussed and the result was collected in a new version of the document: “TF-EMC-05-06-R10_Amendments_GRE_Rev6_Summary and status.xlsx”

In detail, the following topics were discussed:

- OICA 27:
 - Ariel Lecca explains a comparison graph between ECE R10.05 and CISPR12 narrowband limit
 - Spain compared CISPR12 limits by telecommunications standards (e.g. WiFi, Bluetooth) -> after check, it was found ok
 - Italy: Topic was checked, it is ok
 - France: Can agree the proposal by OICA
 - > OICA 27 is agreed by all participants

- OICA 28
 - Accepted by all participants

- OICA 38
 - Italy: OK to delete
 - Spain. OK to delete
 - France OK to delete
 - OICA 38 is accepted by all participants

- China 3
 - Accepted, figure b will be supplied by IMMA (*Action Item 5-1; IMMA*)

- Italy 1
 - Italy is proposing a **new** wording:
The state of charge (SOC) of the traction battery shall be kept between 20 per cent and 80 per cent of the maximum SOC during the whole frequency range measurement (this may lead to split the measurement into different sub-bands with the need to discharge the vehicle's traction battery before starting the next sub-bands). In alternative, if measurable, , the DC charging current during the test should be at least 80 per cent of the maximum charging current for the system.
In case of multiple batteries the average state of charge must be considered, or, in alternative, the overall DC charging current.
It is allowed to evaluate DC (Battery) charging current using the measured active power from the AC grid multiplied for the nominal efficiency of the charger and divided by the actual DC link voltage
 - Especially the last sentence could lead to some confusion so it will be rephrased by Italy.
 - Discussion: Meaning of the proposal is, to average the SoC state of the several batteries or to take care to have 80% charging current.
 - Proposal: "*In case of multiple batteries the average state of charge must be considered, or, in alternative, the overall DC charging current.*" will be added to the draft document for GRE 77
 - Accepted by all participants
 - Roadmap: Proposal about currents will be delivered by Italy to be discussed and included in July's final working paper (*Action Item 5-2, Italy*)

- Italy 2 :
 - OICA proposes not to accept, because ...: update CISPR 25 from 2nd to 3rd edition. Reason: R10V05 uses narrow band – broadband disturbances discrimination, which is only defined in CISPR 25 2nd edition.
This proposal (not to change) is accepted by all participants
 - Accepted: Update reference edition of ISO 11452-4 from 2005 to 2011

- UTAC 1
 - Proposal to include category T agricultural vehicles, because it is difficult for cat T equipment to follow both the ECE Rx...(will be supplied)
(Action Item 5-3, France)
There no plan for any additional changes to R10
 - Italy will check
 - UTAC will provide more details. Details will be discussed in next GRE TF EMC to be proposed / discussed at GRE 78
- UTAC 3
 - Detailed proposal will be supplied to next TF EMC, also for the July working document *(Action Item 5-4, France)*
- UTAC 4&5
 - Accepted and already included
- UTAC 6
 - Discussion about the proposal and different understanding
 - France/UTAC is asked to supply a proposal *(Action Item 5-5, France)*
 - Spain – no comment.
 - Italy is awaiting the proposal
- UTAC 7
 - Discussion of a changes of Annex 15&16 Appendix 1: Figure 1a-d
 - exchange 4 - “Fast Transients/Burst generator” and 5- “CDN”
 - Add box for generator
 - Proposal will by supplied by UTAC *(Action Item 5-6, France)*
- UTAC 8-10
 - Accepted and already included
- **New: Italy 3**
 - Final agreed proposal :
"The vehicle shall be immobilized, the engine(s) **(ICE and / or electrical engine)** shall be off **and in charging mode** . All other equipment which can be switched on by the driver or passengers shall be off."

Next steps: OICA will prepare an updated version (rev 6) of the ECE R10.05 suppl. 2 draft and upload this to the UN server *(Action Item 5-7, OICA)*

The document will have the name: "*EMC-05-05-(OICA)-R10.05 Consolidated and amendments 2017 03 22.docx*"

The **updated** excel file "*TF-EMC-05-06-R10 Amendments GRE Rev6 Summary and status.xlsx*" will also been uploaded to the UN server.

4. Preparation of GRE 77

Document: OICA EMC TF Report to GRE April 2017 V3

Mr. Golisch presented the draft of the document. Several changes were discussed:

- Update of slide 3 – correction of the “statistics”
- Correction of slide 7: Draft was supplied in January 2017 not in November 2016

5. Next meeting dates and location

May 22nd, 9:00 -11:30am - telephone and Web conference (if possible by an OICA-Webcon system)

6. Adjourn

Frank Golisch, 25.03.17