# Meeting notes of the 14th meeting of the COP TF

Author: Iddo Riemersma (chair)

Meeting date: 19 December 2019

## Meeting agenda

1. *Opening and welcome*
2. *Adoption of the agenda*
3. *Incoming documents*
4. *Minutes of last meeting and open action items*
5. *Feedback from TTF on the informal document and SG EV on current status*
6. *Open issues in the CoP annex for the UNR working document*
7. *Timeline – next meeting before IWG meeting on 13 January 2020?*
8. *A.O.B.*
9. *Tentative: discussion on modifications proposed by Japan to road-load correction formula*

## Opening

Iddo Riemersma (chair) opened the meeting and welcomed the participants. Joost Luscher and Biagio Ciuffo announced that they could not attend this meeting. The meeting was also joined by Y. Katsumata of Nissan.
The list of participants to this meeting is added as annex at the end of this document.

## Adoption of the agenda

The agenda was adopted without any changes.

1. Incoming documents

Since the last meeting, the following documents were received:

* Rob Gardner prepared on 12 December the updated UNR documents with the changes from the previous meeting included in them, see 191212 - 00 series UNR WLTP Informal for ECE-TRANS-WP29-GRPE-2020-03e.docx and 191212 - 01 series UNR WLTP Informal for ECE-TRANS-WP29-GRPE-2020-04e.docx of the TTF wiki page. For this meeting it was agreed to use this document as a basis for discussing the open issues, since it contains also some comments from the transposition task force.
* Confirmation by Arjan Dijkhuizen on 12 December to agree on the text proposed by Norbert on par. 1.11. to Appendix 3. (“the uncertainty margin based on the variation in the data should be taken into account to avoid an overestimation of the run-in effect.”)
* Sophie-san on 18 December a document from the EVAP TF, with the revised procedure of GTR19 (Amendment 3), document DRAFT GRPE-2020-07e based GTR19 Amend3 ID 2019.12.18.docx. This also includes a maximum time of 24 months (from the initial fail) within which a decision needs to be reached, see also action 13.5. This text was based on a proposal sent by Bill Coleman on 21 November.
* Bart sent a document on 17 December with the EC to the action items 13-3 and 14-4, see document Open issues discussed on 19-11-2019 BT.docx.
* Annette sent a document on 19 December with the response to the action item 13-1 and 13-9, see document UNR WLTP CoP requirements\_8-1-3-COP-families.docx
* Miyazaki-san sent a document on 19 December with the input of Japan for the pass/fail criteria for Level 1B in Appendix 3, see document JPN FE CoP evaluation.docx.
* Olle Berg sent a response by mail to share his position on action 13-9.

Documents for this meeting are uploaded to the UNECE server:
[https://wiki.unece.org/display/trans/CoP+TF+13th+session](https://wiki.unece.org/display/trans/CoP%2BTF%2B13th%2Bsession)

### Minutes of last meeting and open action items

There were no comments to the minutes, and they were adopted.

The updates to the actions on the action list are included as comments to the respective paragraphs in the UNR document (see point 6)

5. Feedback from TTF on the informal document and SG EV on current status

There was no representative from SG EV to introduce an update. For the TTF Rob Gardner explained that during the last meeting there were also some issues discussed relating to the CoP TF and EVAP TF. There were two documents prepared to reflect the proposed changes to the 00 series and 01 series of the UNR (see under point 3). It was agreed that for this meeting we will use the 00 series document as a basis for discussing the open issues to ensure that everything will be covered.

The remaining actions and the owners of these actions are summarized as follows:

* Miyazaki-san: respond to the group on the proposal in par. 8.1.3. on merging CoP families
* Bart: respond to the group on the text in par. 8.2.4.5. on test cell correction
* Nick-san: prepare a text proposal for par. 2.6.8.3.3. on the wider threshold value for CoP testing
* Bill: prepare a text proposal on the Type 4 test evaluation and find support for this before the IWG meeting in Geneva
* All: scrutinize the text proposal by Japan in par. 3.3. of Appendix 2 for the pass/fail criteria in Level 1b
* Annette: evaluate the statistical procedure in par. 1.9 of Appendix 3 by testing it with data and -if necessary- provide a counter proposal. A new proposal should in any case be checked and confirmed with TNO and JRC.

6. Open issues in the CoP annex for the UNR working document
For today it is planned to discuss the open issues and text in brackets which were not closed during the previous meeting, refer to document [Open issues discussed on 19-11-2019.docx](https://wiki.unece.org/download/attachments/92013203/Open%20issues%20after%2017-10-2019.docx?api=v2). These open issues were inserted as comments into the UNR document prepared by Rob Gardner, see 191212 - 00 series UNR WLTP Informal for ECE-TRANS-WP29-GRPE-2020-03e.docx, which is used as a discussion document. The outcomes of the discussions that took place are inserted in comment boxes with the date of today (19-12). Any proposed modifications to the text can be found as tracked changes in the document, which is uploaded to the UNECE server at [https://wiki.unece.org/display/trans/CoP+TF+14th+session](https://wiki.unece.org/display/trans/CoP%2BTF%2B14th%2Bsession)

### 7. Timeline – next meeting

There was no next meeting scheduled. Any further discussion that is needed should be held during the Transposition TF meeting on 9 January, or in the IWG meeting on 13 January 2019.

8. A.O.B.

Nick-san discussed the order of the corrections as proposed in the post-processing tables. The current order was proposed by VDA. Annette argued that the run-in factor should be applied to the raw emissions, and not (as is the case) after application of the Ki­ factor. It was decided that at this point in time we cannot change this back, so this should be taken into a later amendment if this view is shared.

9. Tentative: discussion on modifications proposed by Japan to road-load correction formula

This point was discussed at the request of the EC, though it is not CoP related. Japan has proposed a few changes to the formulas in 4.5.5.1., 4.5.5.2.3., 6.5.2.3.3. and 6.7.1. on road load determination. The justification for this was not available, so it was agreed that Nick-san would provide a written justification for making these proposals. They will be introduced to the IWG meeting for adoption.

### Annexes

* Action list
* Participant list

## Action list

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| --- | --- | --- |
| *Item* | *Name* | *Action* |
| *11-6* | *Nick Ichikawa/Team Japan* | Collect run-in data from JAMA and/or MLIT*> No data could be made available. Action deleted* |
| *13-1* | *Annette Feucht* | Check the requirement in par. 8.1.3. to split the CoP family for vehicles in the same IP family but with different manufacturer brands, and prepare a text proposal (if necessary). |
| *13-2* | *Team Japan* | Check if a merge of CoP families for Level 1B in par. 8.1.3. is allowed if either planned production is below 1000 vehicles or if all planned productions are below 1000 vehicles. Make a text proposal to clarify (if necessary). |
| *13-3* | *Team Japan/Bart Thedinga* | Review the requirement in par. 8.1.6. to have a minimum frequency of one audit per 12 months |
| *13-4* | *Bart Thedinga* | Check with the UN for guidance on par. 8.1.8 on the period of a minimum of 10 years. |
| *13-5* | *Elodie Collot* | Prepare a text proposal for par. 8.3.1.4. on the maximum time allowed to reach a decision for the Type 4 verification, discuss and agree this with the EVAP TF.  |
| *13-6* | *Team Japan* | Prepare text proposals on par. 3.3 of Appendix 2 (pass/fail criteria for Level 1B) and par. 1 of Appendix 3 (validation method) |
| *13-7* | *Team Japan* | Consider the text proposal in par. 1.2 of Appendix 3 on the configuration of the test vehicle  |
| *13-8* | *Frank Heimlich* | Discuss the intention of Bill Colemans proposal regarding par. 1.5.1. of Appendix 3: Eliminate only the warm-up or also the preconditioning cycle for the initial tests of the run in vehicle? |
| *13-9* | *Annette Feucht/Olle Berg* | Review the statistical correction included in par. 1.9 of Appendix 3 by data analysis, and if necessary prepare a counter proposal. Discuss the results with Norbert Ligterink. |

## Participant list

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| *Name* | *Organisation* | *Present at this meeting* |
| Alessandro Marotta | EC | N |
| Annette Feucht | BMW/ACEA | Y |
| Arjan Dijkhuizen | Netherlands/RDW | Y |
| Bart Thedinga | EC | Y |
| Biagio Ciuffo | JRC/EC | N |
| Darren Crisp | Ford/ACEA | N |
| Douglas Hannah | Dep. of Transport/UK | N |
| Duncan Lewis | JLR/ACEA | N |
| Elodie Collot | France/UTAC | Y |
| Francois Cuenot | UN | N |
| Franco Guazzotti | Iveco/ACEA | Y |
| Frank Heimlich | VW/ACEA | Y |
| Iddo Riemersma | Sidekick/EC | Y |
| Julian Michaelis | Opel/ACEA | N |
| Matthias Nägeli | VW/ACEA | N |
| Mayumi Morimoto | Honda/JASIC | Y |
| Nick Ichikawa | Toyota/JASIC | Y |
| Nigel Bear | Ford/ACEA | N |
| Norbert Klein | Hyundai/KAMA | N |
| Norbert Ligterink | Netherlands/TNO | N |
| Pablo Hernando Anta  | TME/ACEA | N |
| Penny Dilara | EC | N |
| Philippe Arribard | Renault/ACEA | Y |
| Rob Gardner | TRL/EC | Y |
| Saskia Dietmaier | BMW/ACEA | N |
| Shumpei Miyazaki | MLIT/JASIC | Y |
| Stefano Malfettani | Renault/ACEA | Y |
| William Coleman  | VW/ACEA | Y |
| Wolfgang Bier | Opel/ACEA | N |
| Christophe Sierens | Honda/ACEA | N |
| Olle Berg | Volvo/ACEA | N |
| Aylin Atik | BMW/ACEA | Y |
| Paul Greening | ACEA | N |
| Joost Luscher | VW/ACEA | N |
| Takehiro Abe | Honda/JASIC | Y |