

## Draft meeting minutes

### 6th Session of the Subgroup 4 (Usage Phase)

#### of the IWG on Automotive Life Cycle Assessment (IWG on A-LCA)

#### Google Meet:

[HTTPS://MEET.GOOGLE.COM/ITD-GCDF-JAK?AUTHUSER=0&HS=122](https://meet.google.com/ITD-GCDF-JAK?authuser=0&hs=122)

#### Meeting documents available at:

<https://wiki.unece.org/display/trans/SG4+-+6th+meeting>

### Agenda

Meeting info	
Date	December 12 <sup>th</sup> 2023
Time	11:00am – 12:30pm CET
Venue	Online
Link	<a href="https://meet.google.com/itd-gcdf-jak?authuser=0&amp;hs=122">https://meet.google.com/itd-gcdf-jak?authuser=0&amp;hs=122</a>

Time		Agenda Item	Lead	Working Paper	Purpose or Target
11:00 ~	1	Welcome and introduction	Chair	NA	Introduction
~ 11:05	2	Adoption of the agenda	Chair	A-LCA-SG4-06-01	Agreement
~ 11:10	3	Adoption of the last meeting minutes	Chair	A-LCA-SG4-05-06	Agreement
~ 12:00	4	Consolidated draft proposal Scope & Definitions: <ul style="list-style-type: none"> <li>- Proposal for the Level Implementation Flowchart</li> <li>- Discussion &amp; approval of proposal for Functional Unit for SG4</li> <li>- Approval of scope, definitions</li> <li>- Next steps for the levelling concept</li> </ul>	Chair	A-LCA-SG4-06-02	Discussion Agreement Agreement Discussion
~ 12:25	5	Open points of discussions with other SG's <ul style="list-style-type: none"> <li>- SG3 <ul style="list-style-type: none"> <li>o Maintenance &amp; repair</li> </ul> </li> <li>- SG6 <ul style="list-style-type: none"> <li>o Conversion ratio for energy</li> <li>o Boundaries</li> <li>o Vehicle Lifetime</li> </ul> </li> </ul>	Chair	A-LCA-SG4-06-03	Discussion
~ 12:30	6	Any other business & Closing	Participants	NA	Closing

## Meeting

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### **Agenda Item 1: Welcome and introduction**

The chair welcomes the participants to the 4<sup>th</sup> SG4 meeting and provided some overview of the main topics for today's meeting.

### **Agenda item 2: Approve agenda**

The chair presented the agenda.

See document(s): [A-LCA-SG4-06-01 Draft Agenda.pdf](#)

### **Agenda item 3: Adoption of the last meeting minutes**

The chair invited the participants to share their comments and remarks about the minutes. No comments were raised.

The meeting minutes have been approved.

See document(s): [A-LCA-SG4-05-06 Draft Meeting Minutes.pdf](#)

### **Agenda item 4: Consolidated draft proposal Scope Definitions**

Chair: provided an update of the past discussions and indicated the important discussion topics to come:

- Functional Unit
- Level Concept Flowchart
- Finalize the scope

With regard to the SG4 boundaries, no further points have been discussed

With regard to the Level Concept, the following points have been discussed:

- Complete vehicle model (as delivered)
- Flowchart for the adoption of a specific level → Always starting at level 3 (considered to be the highest) and moving down depending on the quality and detailedness of the data.
- Also the importance of including Maintenance and Consumables into the analysis of this SG or another.

Questions and remarks:

- Ricardo: Level 3 vehicle model definition is not clear, should be vehicle configuration. Level 2 is then vehicle model (in this case incomplete). Suggested to include a Level 4 with a specific configuration as next step eventually.
- ICCT: is this aligned with the level concept of other SG's? Suggests to change level 3 as level 4 (IWG level) and differentiate Level 1 by regional and global data.

- Chair: important to define the types of vehicles as other SG's are awaiting a proposal.
- AVERE, ICCT and Ricardo suggested to have 4 levels.
- NGVA: supports the 3 levels and asked for more details about the organization of the flowchart.
- Chair underlined the importance to have different levels but that the highest level is also obtainable.
- OICA will present something by next meeting on 'representative vehicle'
- Japan: agrees with the Flowchart as the levelling-concept is not necessary in this case and the flowchart defines the needed structure. With regard to maintenance, Japan believes that this is too extensive to take into account but to be seen afterwards.
- Chair underlined that the flowchart means that you always start at level 3 (4) and move down when you don't have specific values (Yes-line). Level 3 is as such NOT optional.
- UNECE secretariat highlighted the importance of having some type of mix between levels as for example maintenance might only have a limited impact.
  - o The Chair agrees and suggest to have a level of detailedness per level (gradient).
  - o Romain underlined that the proposal is an advice and thus when you have level 3 data, you should use this but are not obliged.
- NGVA: agrees with UNECE secretariat and suggest to include a percentage of correctness (closeness to primary data) per level.

The chair proceeded with next steps:

- Proposal for vehicle usage, mileage data and vehicle age (based on existing data) → OICA, ICCT and Ricardo will have an exchange on this to come up with a proposal.
  - o Including maintenance frequency and consumables impact.
  - o Compiling existing datasets.

See document(s): [A-LCA-SG4-06-02 JRC SG4 update 6th.pdf](#)

### **Agenda Item 5: Open points of discussion with other SG's**

Not discussed due to a lack of time.

Instead, ICCT presented their presentation about real driving consumption versus typical measurements in the world. He highlighted the following things:

- NEDC (EU) → Between 38 & 50% (risk of underestimation)
- WLTP (EU) → Up to 14% (preliminary)
- WLTP/OBFCM (EU) → Outlier for PHEV by a lot (risk of underestimation) + Very high impact for company cars.
- NEDC (China) → Mostly impact by automatic transmissions (up to 40%)
- JC08 (Japan) → 46%
- CAFÉ (US) → CAFÉ up to 30% while 5-cycle method is close to the real consumption

ICCT thus underlined the gaps per powertrains and suggested to either consider real energy consumption, and thus suggested to have very well thought correction factors.

No immediate questions or remarks were raised. The participants were invited to share their comments during next meeting and/or via mail.

See document(s): [A-LCA-SG4-06-05 ICCT RDE.pdf](#)

**Agenda item 6: AOB & Closing**

The chair indicated that the next meeting will be on 16 January 2024 from 11h00-12h30.













































































The chair invited the participants to share their AoB. None were raised.

The chair thanked all the participants for their participation and formally closed the meeting.

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## ANNEXES

### Participants list:

Contributors		26	^
	Romain Denayer (You) Meeting host		
	AEECC eu		
	Alberto Castagnini		
	Christoph Baumgärtner ...		
	Damyanov Alex / Green ...		
	Francois Cuenot		
	Georg Bleker		
	George Bedenian		
	Georgios Fontaras		
	Giuseppe Di Pierro		
	Giuseppe Di Pierro Presentation		
	Gyeol Han		
	Hee-Jeong Yim (KR)		
	J. Quartararo (OICA)		
	Jaewoo Chung		
	Martin Rauch - CLEPA / ...		
	Nicolle Giuliani		
	Nikolas Hill		
	NORIYUKI ICHIKAWA		
	OICA - Filippo Lachina		
	Reino MEZAKI		
	sam t		
	Shinichiro Takada		
	Sokratis Mamanikas (Emi...		
	Tetsuya SUZUKI		
	Tsuyama, OICA JAMA	