

Discussion Topics of SG3

20th July 2023

Leveling concept

SUPPLY CHAIN & PRODUCTION	Possible Comparison ¹⁾	Vehicle modelling	Representativeness ²⁾	Supply chain modelling	OEM manufacturing Processes	Supplier manufacturing process	Individual decarbonisation measures
Level 1	General concept of drivetrains (e.g. BEV vs. ICEV)	Generic material composition & average vehicle curb weight	Global average / regional	generic footprint per kg of vehicle curb weight			none
Level 2	General concept of drivetrains (e.g. BEV vs. ICEV) based on exemplary „real“ car vehicle model	BOM & Material information system (CMDS / IMDS ³⁾)	Global average / regional	global secondary data material footprints (incl. generic information for production processes)			none
Level 3	A representative vehicle of OEM A VS A representative vehicle of OEM B	BOM & Material information system (CMDS / IMDS) & „part-by-part“ for hotspots	Regional & individual SC for hotspots	primary information for the vehicle hotspot parts	Optional: primary data for OEM's inhouse hotspot processes	primary information for the manufacturing of vehicle hotspot parts	included
				secondary information for the rest	Secondary information for the rest or average values per vehicle from OEM's Scope 1 & 2 emissions	secondary information for the rest	
Level 4	e.g. OEM A's BEV model vs. OEM B's BEV model	BOM („part-by-part“)	individual SC	regional or primary data based part (& material) footprints	included	included	included

1) a column describing comparable objects to help you understand the concepts at each level, giving hints about how to access them by level and what data to find

2) data information characteristics that can be used for evaluation

3) (CDMS) Chinese Material Data System, (IMDS) International Material Data System

Main points of discussion

Discussion points	Details
Possible comparison	<ul style="list-style-type: none">• Possible comparison is written make it easier to understand the concept of each level through comparison• (Rewrite) In level 3, OEM A's BEV fleet Europe vs OEM B's BEV fleet Europe → A representative vehicle OEM A vs A representative vehicle OEM B• For any rules or criteria to define a representative vehicle, we do not need to define it in detail at this moment
Levels	<ul style="list-style-type: none">• (Suggestion by OICA) collect example studies for all different levels to make it easier to understand each level

Overarching aspects

Overarching aspects	Further action
System boundary	
Boundary of supply chain	discuss with SG2, 4
Vehicle production	
Vehicle / parts production categories	
Logistics and distribution	discuss with SG2
Maintenance part	discuss with SG4
End of life (waste treatment)	post consumer recycle
	post industry recycle
Data quality and validity, format	
Secondary data source	
Punitive of secondary data utilization	

Meeting schedule:

2023

July

6th, SG3 Online
12:15 cet.

10th, IWG Online

20th
SG3 Online, 12:00 cet.

August

Summer
Vacation

September

5th, SG3 Online
12:00 cet.

7th Sept.
IWG web
meeting

19th, SG3 Online
12:00 cet.

October

17th-18th
@Brussels

Meeting place: tbd
19th, SG3 Hybrid @ Brussels ?

November

tbd

December

tbd

Biweekly meeting (Tuesday) from July 5th