

11th SG 5 Meeting

A-LCA IWG

EoL Application guideline. Starting discussion points

Web-meeting, May23rd, 2024

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As initial scope of the mapping of materials and components

- Refer to in place Regulations: **ELV new regulation proposal**, **EU Battery regulation** etc.
- Start from the large components:
 - EV battery, electric motor, gearbox , ...
 - Chassis and body work materials: plastic, aluminium, steel, carbon fibres, ...

Already with this 95% of the carbon footprint should be covered.
- ELV new regulation proposal **Annex VII Part C** list of the parts and components to remove
 - Removal and replacement obligations for certain parts and components. i.e, xEV batteries and e-drive motors
- ELV new regulation proposal **Article 6** for the minimum recycled content
 - Plastic, steel, aluminium, CRM
- ELV new regulation proposal **Article 49** reporting the total amount and weight of parts, components and materials removed from end-of-life vehicles, reuse.

Secondary datasets related to the EoL process

- Core life cycle datasets are under development for the EF4.0 database (to be released from 2026-2027 onwards).
- Specific datasets for certain materials/components may still be missing (and should be developed at a later stage).
- In particular, the database under development will cover main base metals (e.g. copper, aluminium, steel), main polymers (e.g. polyolefin), and also some additional technical materials (e.g. flat glass, electronics).
- Main parameters for the use of the CFF for most common materials are available (Annex 2 Part C of Recommendation 2021/2279).
- Potentially missing data (both as values of R1, R2 and secondary materials datasets) could include: technical glass (if different from flat glass); tyres and rubber; some special materials (e.g. CRMs) in use in certain components (e.g. electronics; braking systems; EV batteries) and other specific materials in use in automotive (e.g. novel polymers).
- These could be developed also with the support of the industries, in adherence with EF 4.0 background data.

Thank you



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