

A-LCA Subgroup Structure and its Working Items

prepared by Japan

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Sub Gr	Material Acquisition	Production & Transportation	Use	End of Life
Precondition	<ul style="list-style-type: none"> Approximate number of Material list (considering cut off at 1% more than 100 are getting less meaning) Overall list for passenger car, bus, truck and motorcycle. Considering geographic or time related electricity carbon intensity. 	<ul style="list-style-type: none"> Divide production & unproduction (not include capital goods) Scope of supply chain (Tier1) for primary data collection of energy consumption Using secondary data of production carbon intensity for deeper supply chain (more than Tier2) 	<ul style="list-style-type: none"> Lifetime milage should defined by each region and vehicle types Bus and truck should consider weight or number or people which they can transport for functional unit Consider effect of V2X 	<ul style="list-style-type: none"> Boundary of recycling (Eol & Process Scrap) Method of recycling assessment <ol style="list-style-type: none"> recycle content method closed loop approximate method circular footprint formula)
Discussion Item	<ul style="list-style-type: none"> List of material types System boundary for material acquisition carbon intensity Secondary data value of material acquisition carbon intensity 	<ul style="list-style-type: none"> List of energy types or production types System boundary for energy carbon intensity or production carbon intensity Secondary data value of energy carbon intensity or production carbon intensity Scenario of transportation and secondary data value of transportation carbon intensity Time duration , iteration frequency of data collection Definition of cut off Definition of allocation How to handle renewable energy certification 	<ul style="list-style-type: none"> Functional unit calculation method Secondary data value of Lifetime milage System boundary for fuel carbon intensity Secondary data value of fuel carbon intensity List of part for maintenance Scenario of frequency for maintenance 	<ul style="list-style-type: none"> Recycling scenario of each material, region Secondary data value of allocation factor and quality factor