



European Association of Automotive Suppliers

CLEPA Inputs for the A-LCA IWG at GRPE

13th of February 2023

LIFE-CYCLE CARBON FOOTPRINT METHODOLOGY FOR VEHICLES

Working Structure Proposal, A-LCA-03-03



work areas		work elements		common	specific each area	common	specific use area
		Life stages	Material production	Material & bought parts production (Supply chain)	overarching aspects	Fuel Cycle	activity item and data
Parts production	activity item and data						
Inhouse parts production			Inhouse parts & vehicle production	activity item and data			
Vehicle assembly	Use Phase		activity item and data				
Use Phase				End of Life			activity item and data
End of Life							
Verification methodology transparency and consistency, data qualification and plausibility							
Drafting							

LIFE-CYCLE CARBON FOOTPRINT METHODOLOGY FOR VEHICLES

Working Structure Proposal, A-LCA-03-03, Korea, China, OICA, CLEPA



work areas		work elements		common	specific each area	common	specific use area
Life stages	Material production	Material & bought parts production (Supply chain)	overarching aspects	Fuel Cycle	activity item and data	propulsion system fuel	
	Parts production						
	Inhouse parts production	Inhouse parts & vehicle production					
	Vehicle assembly						
	Use Phase	Use Phase					
	End of Life	End of Life					
Verification methodology transparency and consistency, data qualification and plausibility							
Drafting							

work areas		work elements		common	specific each area
Life stages	Material production	Material & End of Life	overarching aspects	activity item and data	
	Parts production				
	Inhouse parts production	Parts & vehicle production			
	Vehicle assembly				
	Use Phase	Use Phase			
	End of Life	Material & End of Life			
Verification methodology transparency and consistency, data qualification and plausibility					
Drafting					

work areas		work elements		common	specific each area	
Life stages	Material production	Supply Chain	overarching aspects	activity item and data		
	Parts production					
	Inhouse parts production	Vehicle assembly				
	Vehicle assembly					
	Use Phase	Use Phase				activity item and data
	End of Life	End of Life				activity item and data
Verification methodology transparency and consistency, data qualification and plausibility						
Drafting						

work areas		work elements		common	specific each area	common
Life stages	Material production	Material & bought parts production	overarching aspects	Fuel Cycle	activity item and data	
	Parts production					
	Inhouse parts production	Inhouse parts & vehicle production				
	Vehicle assembly					
	Use Phase	Use Phase				
	End of Life	End of Life				
Verification methodology transparency and consistency, data qualification and plausibility						
Drafting						

work areas		work elements		common	specific each area	common	
Life stages	Material production	Production	overarching aspects	Fuel Cycle	activity item and data		
	Parts production						
	Inhouse parts production	Vehicle assembly					
	Vehicle assembly						
	Use Phase	Use Phase					activity item and data
	End of Life	End of Life					activity item and data
Verification methodology transparency and consistency, data qualification and plausibility							
Drafting							

LIFE-CYCLE CARBON FOOTPRINT METHODOLOGY FOR VEHICLES

Working Structure Compromise Proposal



work areas	work elements	common	specific each area	common	specific use area
Material production	Material & bought parts production (Supply chain)	overarching aspects	activity item and data	Fuel Cycle	production system fuel
Parts production			activity item and data		
Inhouse parts production	Inhouse parts & vehicle production		activity item and data		
Vehicle assembly			activity item and data		
Use Phase	Use Phase		activity item and data		
End of Life	End of Life	activity item and data			
Verification methodology transparency and consistency, data qualification and plausibility					
Drafting					

work areas		work elements	common	specific each area	common
Life stages	Material production	Material & Material recycling	Overarching aspects	activity item and data	Fuel & Energy Cycle
	Parts production	Parts & Vehicle production		activity item and data	
	Inhouse parts production				
	Vehicle assembly				
	Use Phase	Use Phase		activity item and data	
	End of Life	End of Life		activity item and data	
Verification methodology transparency and consistency, data qualification and plausibility			Drafting	Drafting	
Drafting					

work areas	work elements	common	specific each area
Material production	Material & End of Life	overarching aspects	activity item and data
Parts production			activity item and data
Inhouse parts production	Parts & Vehicle production		activity item and data
Vehicle assembly			activity item and data
Use Phase	Use Phase		activity item and data
End of Life	Material & End of Life	activity item and data	
Verification methodology transparency and consistency, data qualification and plausibility			
Drafting			

work areas	work elements	common	specific each area
Material production		overarching aspects	activity item and data
Parts production	Supply Chain		activity item and data
Inhouse parts production			activity item and data
Vehicle assembly			activity item and data
Use Phase	Use Phase		activity item and data
End of Life	End of Life	activity item and data	
Verification methodology transparency and consistency, data qualification and plausibility			
Drafting			

work areas	work elements	common	specific each area	common
Material production	Material & bought parts production	overarching aspects	activity item and data	Fuel Cycle
Parts production			activity item and data	
Inhouse parts production	Inhouse parts & vehicle production		activity item and data	
Vehicle assembly			activity item and data	
Use Phase	Use Phase		activity item and data	
End of Life	End of Life	activity item and data		
Verification methodology transparency and consistency, data qualification and plausibility				
Drafting				

work areas	work elements	common	specific each area	common
Material production		overarching aspects	activity item and data	Fuel Cycle
Parts production	Production		activity item and data	
Inhouse parts production			activity item and data	
Vehicle assembly			activity item and data	
Use Phase	Use Phase		activity item and data	
End of Life	End of Life	activity item and data		
Verification methodology transparency and consistency, data qualification and plausibility				
Drafting				

LIFE-CYCLE CARBON FOOTPRINT METHODOLOGY FOR VEHICLES

Working Structure Compromise Proposal



work areas		work elements	common	specific each area	common
Life stages	Material production	Material & Material recycling ②	① Overarching aspects	activity item and data	⑥ Fuel & Energy Cycle
	Parts production	Parts & Vehicle production ③		activity item and data	
	Inhouse parts production				
	Vehicle assembly				
	Use Phase	Use Phase ④		activity item and data	
	End of Life	End of Life ⑤		activity item and data	
Verification methodology transparency and consistency, data qualification and plausibility					
Drafting ⑦				Drafting	

Working Groups

1. Overarching aspects & verification
2. Material & material recycling
3. Parts & vehicle production
4. Use phase
5. End of life
6. Fuel & energy cycle
7. Drafting



Thank You

