



AP0012-ed3-EN
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Created the 18th December 2009
Last modification: 2016, May the 12th

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Content of LCA report

The LCA report supports the PEP and gathers all the necessary data and parameters to perform the study. The following sections describe the content of the LCA report.

1- General information

The LCA report shall indicate:

- Date of the report
- Name of the person/agents who drew up the report
- Version of the PCR applied
- Version of the PSR applied, where applicable
- Identification of the LCA report
- Period of validity

2- Scope of the study

The LCA report shall indicate:

- Functional unit and reference flow
- Reference product description and commercial reference(s)
- Category of product in terms of PSR, where applicable
- Where no PSR is available:
 - o Description and justification of the functional unit (e.g. standards fulfilled by the reference product, test reports)
 - o Description and justification of the Reference Lifetime (RLT)
- Life cycle stages considered
- Where applicable:
 - o The products in the same homogeneous family as the reference product
 - o The list of entitled entities for joint environmental declaration



3- Inventory data

The LCA report shall include the following information:

- Manufacturing
 - Clearly identify and quantify (e.g. mass, etc.) each material, component and process used to produce the reference flow as well as the corresponding datasets used
 - Identify and justify any approximation or exclusion of materials, components or processes
 - Justification on the mass and energy consumption to verify the cut-off criteria
 - Transport scenario for raw materials to manufacturing site
 - Transport scenario for reference flow to the manufacturer's last logistic platform as well as the corresponding dataset used
 - A manufacturing flowchart may be added
- Distribution
 - Indicate and justify (i.e. internal statistics on transport) the transport scenario from the manufacturer's last platform to the site of use and the corresponding datasets used
- Installation
 - Clearly identify and quantify (e.g. mass, volume, number, etc.) each component, process, emission and type of energy required to install the product and the corresponding datasets used
 - Identify and justify any approximation or exclusion of component, process, emission or energy flow
 - Identify and quantify waste generated during installation and take into account production, distribution and end-of-life of such waste
- Use
 - Clearly identify any complex product operating modes
 - For each operating mode, indicate the hypotheses considered and key use assumptions (% of use rate, energy consumption, path-through current, load factor, activity factor)
 - If the product is covered by a standard or regulation that defines an energy consumption measurement method, clearly identify it (e.g. ErP performance measurement, thermal regulation, etc.)
 - Indicate the selected dataset model and the corresponding dataset used
 - Clearly identify and quantify (e.g. mass, volume, number, etc.) the elements required to operate, service and maintain the product and the corresponding dataset used
 - In the case of maintenance visits, specify the transport distance in the case of specific data
 - Identify any approximation or exclusion
 - If no PSR exists for the product category, the use scenario shall be based on existing standards or regulations, or by default on experimental measurements (the measurement protocol and results shall be also included). The scenario shall be indicated in the report
- End-of-life
 - Indicate, describe and justify the transport scenario to the treatment facility and the corresponding dataset used

- Describe the product end-of-life scenario and the treatment process and the corresponding datasets used
- Identify and justify any approximation or exclusion of any stage of the end-of-life scenario
- Mention the boundaries of this stage and explain the stock of material
- For all life cycle stages, indicate data sources and assess data quality
- Indicate the list and units of elementary flows or the information required to access it (e.g. how to access to it in LCA tools). The list of elementary flows shall be accessible during the entire period of PEP validity

4- Environmental impact assessment

The LCA report shall indicate:

- Identification of the software and version where applicable
- The environmental impact results calculated, expressed as a numerical value in the corresponding unit with three significant figures (and in additional option as a percentage) for each of the aforementioned life cycle stages and for the total life cycle
- For homogenous environmental families:
 - Description of the definition process of extrapolation rules and justification of these rules
 - Extrapolation rules
- For joint environmental declaration:
 - Identification of the reference environmental indicators
 - Identification of sensitive parameters
 - Justification of intervals of validity of these parameters

5- Additional information

All additional environmental information in the PEP shall be justified and documented in the LCA report. According to ISO 14025 standard and the general instructions of the PEP ecopassport® program:

- Additional environmental information shall be specific, accurate and not misleading. They shall be based on information that is substantiated and verified, in accordance with the requirements of ISO 14020 and ISO 14021, clause 5.
- Additional environmental information shall only be related to environmental issues. It may include data on product performance, if environmentally significant. Information and instructions on product safety unrelated to the environmental performance of the product shall not be part of a Type III environmental declaration.
- Although the additional information cannot generally be related to a functional unit, it shall be provided for the same product as the product to which the environmental part of the declaration applies.

Also, they shall be and readily available on request and verifiable if disclosed:

- Where relevant, references shall be made to recognized measurement methods defined in PSR or to the standards in force.
- By default, measurement methods used to justify the additional environmental information shall rely on test report documented in LCA report.