

Verification documents for the verification of MRPI®-EPDs

**MRPI®-EPD**

**verification**

**DOCUMENTS**

**s**

***october 2021***

***4.0.V3***

**MRPI®-EPD VERIFICATION documentS**

**october 2021**

4.0.v3

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**Stichting MRPI®**

**Kingsfordweg 151**

**1043 GR Amsterdam**

**The Netherlands**

**[janpieter@mrpi.nl](mailto:janpieter@mrpi.nl)**

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# 1. Introduction

This document contains the verification documents (blank) for the verification of a MRPI®-EPD certificate. Basically these documents are also in the accompanying verification protocol with the same version number but for ease of use they are compiled in a separate document.

A recognized verifier can always add the logo and the layout of his company to the documents but the contents must not be changed.

The dossier for a verification shall contain:

* The verification statement;
  + This is a signed letter where the MRPI® recognized verifier states the verification is done and all is agreed;
* Checklist Part A:
  + This checklist is used to verify the LCA report;
* Checklist Part B:
  + This checklist is used to verify the MRPI®-EPD certificate;
* Dialogue file:
  + The dialogue shows discussions/questions raised between verifier and LCA specialist and how the questions are answered.

Annex A contains the above mentioned documents.

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# ANNEX A: documents for the verification

This checklist presents the items that have to be verified as a minimum. It is presented as a ‘tick-box’ and can be used as such, but it should be clear from the verification report that discussions have taken place and (if applicable) improvements have been made following the MRPI® recognized verifier’s comments and recommendations. The core checklist is limited to data presented in the MRPI®-EPD.

## Verification Statement

**Report on verification of the MRPI®**

**Environmental Product Declaration ………. *[Declaration number]***

**for ……… *[Product]* by ………. *[Company]***

**Verification statement:**

The MRPI® recognized verifier shall give a statement about his work and the result, clarifying at minimum:

* the MRPI®-EPDs concerned
* that the work concerned a verification (not a certification)
* that the verification has been done 3rd party independent
* that the MRPI®-EPD was verified according to EN 15804+A1 or EN 15804+A2.
* that the program rules / PCR used.

Example:



|  |
| --- |
| *I hereby confirm that, following detailed examination as independent 3rd party verifier, I have not been able to trace any relevant deviations by:*  *The Environmental Product Declaration: ………………….. [declaration number]*  *Issued for: ………………….. [product name(s)]*  *By: ………………….. [company name]*  *and by its project report from the requirements outlined in the corresponding product category regulations based on:*   * *EN 15804+A1 / EN 15804+A2 [choose EN 15804+A1 or EN 15804+A2]* * *………………….. [Name of the relevant PCR]*   *The company-specific data have been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity.*  *The project report on the Life Cycle Assessment is filed at …………. [Manufacturer]*  *and the report(s) on features of environmental relevance are filed at Stichting MRPI® .*  *Name and signature of*  *external inspector Place and date*  *>>> >>>* |

## Checklist part A: Calculation rules for the LCA and requirements on the LCA report:

This checklist presents the items that have to be verified as a minimum. It is presented as a ‘tick-box’ and can be used as such, but it should be clear from the verification report that discussions have taken place and (if applicable) improvements have been made following the MRPI® recognized verifier’s comments and recommendations. The core checklist is limited to data presented in the MRPI®-EPD.

**Verification checklist LCA project report**

In principle there are 4 types of MRPI®-EPD the manufacturer can choose. These are described in detail in section 2.3. The verification for all types certificates is essentially the same. For the MRPI®-EPD certificates for the Dutch market also the toxicity indicators must be verified.

The issues in the checklist below must be checked in the verification. The check consists of checking if the issue is described in the LCA project report and if it is line with the requirements and guidelines in the applicable references (EN 15804+A1 or EN 15804+A2, other standards or a PCR[[1]](#footnote-1)). Most issues are mandatory to check, some can be optional. If the issue is in line with the requirements and/or accepted by the verifier, the box “C & A” can be ticked. C & A stands for checked and approved. The table contains a column referring to a verification according to A1 and a column referring to a verification according to A2; only one of them must be filled in. Sections where A2 differs from A1 are highlighted in grey in the verification checklist.

If the LCA is already critically reviewed according to ISO 14044 before the verification, no duplications are necessary.

*Any deviations from the requirements should be reported by the MRPI® recognized verifier and the dialogue between MRPI® recognized verifier and LCA consultant should be made transparent as well improvements made following the verification process. This can be done separately from the checklist in the dialogue document (an example is provided after the checklist).*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **1** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 1.1 | Commissioner of LCA study, LCA practitioner | M | §8.2 | §8.2 | |  |
| 1.2 | Date of issue of LCA report | M | §8.2 | §8.2 | |  |
| 1.3 | Statement that the LCA study has been performed in accordance with the requirements of EN 15804 and applicable PCRs | M | §8.2 + applicable PCR | §8.2 + applicable PCR | |  |
| 1.4 | Any other independent verification of the data given in the LCI/LCA documentation? | O |  |  | |  |
| **2** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 2.1 | Reasons for performing the LCA. | M | §8.2 | §8.2 | |  |
| 2.2 | Intended application – (e.g. for EPD, databases, publication etc.)  Is the LCA designed in such a way that it allows B2B communication for environmental assessments of buildings? | M | §8.2 | §8.2 | |  |
| 2.3 | Target group (B2B, B2C, …) | M | §8.2 | §8.2 | |  |
| **3** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 3.1 | Functional / Declared unit, including relevant technical specification | M | §6.3.1/6.3.2 and/or applicable PCR or additional specific requirements for certain product groups | §6.3.1/6.3.2 and/or applicable PCR or additional specific requirements for certain product groups | |  |
| 3.2 | If product groups (similar products from one manufacturer and/or from different production plants) are formed as averages:  a. Calculation rules for the formation of averages  b. Representativeness of averages | M | §8.2 | §8.2 | |  |
| **4** | **General information - availability** | **M/O** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 4.1 | Composition of the product  The level of detail: the main components necessary to understand what type of product is concerned (detailed mass description is not necessary if confidential)  Note: It should be settled before the verification how confidential information is dealt with (acc. to provisions ISO 14025) | M | ISO 14025 | ISO 14025 | |  |
| 4.2 | Description of technical and functional characteristics and area of intended application in the building | M | Applicable PCR | Applicable PCR | |  |
| 4.3 | Flow diagram of main production processes and visualization of system boundaries. Level of detail: see 4.1  Note: It should be settled before the verification how confidential information is dealt with (acc. to provisions ISO 14025) | M | ISO 14025 | ISO 14025 | |  |
| **5** | **General information - availability** | **M/O** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 5.1 | Comprehensive declaration of modules A1 to A3 as a minimum requirement, if necessary as an aggregated module A1-A3 | M | §6.3.4 | §6.3.5 | |  |
| 5.2 | A1 to A3: System boundary   1. Clear description of what the modules cover 2. System boundary to nature (e.g. forest in wood production) 3. Use of secondary materials and secondary fuels and waste produced (check end-of-waste state) 4. If applicable: Ref. A1 to the certificate of the offsetting of CO2 | M | §6.3.4.2 and applicable PCR | §6.3.5.2 and applicable PCR | |  |
| 5.3 | A1 to A3: Allocation of co-products:   1. Specification of the “end-of-waste state” 2. Selection of the allocation factors for co-product allocation 3. Justification of specific allocation processes (e.g. if data are not available to allocate according to the EN15804 rules) 4. Presentation of the energy and material flows as a result of deviating allocation processes 5. No declaration of loads and benefits in Module D from allocation in A1-A3 | M | §6.4.3.2 + annex B.1 | §6.4.3.2 + annex B.1 | |  |
| 5.4 | A4 to A5 (optional module): Clear description and content of modules | M | §6.3.4.3 and applicable PCR | §6.3.5.3 and applicable PCR | |  |
| 5.5 | Accounting losses in the modules in which they arise (e.g. A4, transport to construction site) | M | §6.3.4.1 | §6.3.5.1 | |  |
| 5.6 | B1 to B5 (optional module): Delineation and content of modules | M | §6.3.4.4 and applicable PCR | §6.3.5.4.2 and applicable PCR | |  |
| 5.7 | B6 and B7 (optional module): Delineation and content of modules | M | §6.3.4.4 and applicable PCR | §6.3.5.4.3 and applicable PCR | |  |
| 5.8 | C1 to C4 (optional module): Delineation and content of modules | M | §6.3.4.5 and applicable PCR | §6.3.5.5 and applicable PCR | |  |
| 5.9 | C3 (optional module): Justification of the “end-of-waste state”   1. Existing purpose 2. Existing market or demand 3. Compliance with technical requirements and legal guidelines 4. Fulfils limit values for Substances of Very High Concern (SVHC) | M | §6.3.4.5 + annex B.1 and applicable PCR | §6.3.5.5 + annex B.1 and applicable PCR | |  |
| 5.10 | C4 (optional module): Carefully check the correct allocation | M | §6.3.4.5 and §6.3.4.6 | §6.3.5.5 and §6.3.5.6 | |  |
| 5.11 | D (optional module): System boundary and contents of Module justified | M | §6.3.4.6 | §6.3.5.6 | |  |
| 5.12 | D (optional module): Check if the net flow calculation is done correctly taking into consideration relevant factors, e.g.:  a. Processing losses  b. Inputs in Modules A1 to A3 (and A4 to B5 if necessary) | M | §6.3.4.6 and §6.4.3.3 | §6.3.5.6 and §6.4.3.3 | |  |
| 5.13 | D (optional module): No benefits or loads of allocated co-products | M | §6.4.3.3 | §6.4.3.3 | |  |
| **6** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 6.1 | Selection of the power mix in accordance with the location of the production site(s) | M | CEN TR15941 and applicable PCR | CEN TR15941 and applicable PCR | |  |
| 6.2 | If applicable: Validity of the certificates for green power | O | Applicable PCR | Applicable PCR | |  |
| **7** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 7.1 | If applicable: Selecting allowable certificates in accordance with the PCR | O | Applicable PCR | Applicable PCR | |  |
| 7.2 | If applicable: Offsetting in accordance with the requirements from the individual program operators | O | Applicable PCR | Applicable PCR | |  |
| **8** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 8.1 | Transparent description of the system boundaries:   1. Representativeness (temporal, geographical, technological) 2. Assessment period for each module considered in the Life Cycle Assessment (eg one year average, etc) 3. Omissions of life cycle stages, processes and data requests 4. Assumptions with regard to energy and electricity production incl. year of reference. It should also be transparent which electricity/energy model is applies as avoided product if energy recovery is included in the optional Module D. 5. Assumptions concerning other relevant background data where relevant for the system boundary | M | ISO 14040  §8.2 | ISO 14040  §8.2 | |  |
| **9** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 9.1 | Selection of the cut-off criteria, description of application of the criteria and assumptions | M | §6.3.5 and §8.2 and applicable PCR | §6.3.6 and §8.2 and applicable PCR | |  |
| 9.2 | List of excluded processes available |  | §8.2 | §8.2 | |  |
| **10** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 10.1 | Data collection, including data quality issues, according to LCA rules | M | ISO 14044:2006, section 4.3.2; Documentation  ISO 14040  §6.3.6 | ISO 14044:2006, section 4.3.2; Documentation  ISO 14040  §6.4.1 | |  |
| **11** | **General information - availability** | **M /O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 11.1 | Statement that the scenarios included are currently in use and are representative for one of the most likely scenario alternatives. Check the PCR / program rules if average scenarios are allowed. (preferably no average scenarios for various alternatives) | M | §6.3.8  Applicable PCR | §6.3.9  Applicable PCR | |  |
| 11.2 | Documentation of the relevant technical information, e.g. recycling or reuse rates, with reference to the literature source | M |  |  | |  |
| **12** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 12.1 | Selection and use of generic data and background data justified and validity demonstrated  (Commonly used and publicly available databases in Europe are: GaBi database, EcoInvent, Okobau.dat, ILCD, EIME … [ to be extended by Program Operators]) | M | §6.3.6  EN 15941 and applicable PCR | §6.3.7  EN 15941 and applicable PCR | |  |
| 12.2 | Data as follows:   1. < 10 years for background data 2. < 5 years for manufacturer's data 3. Data manufacturer based on 1 year average 4. Time period of 100 years in case of a landfill scenario, longer if relevant 5. Technical background complies with physical reality 6. Integrity of generic data records, system limit and cut-off criteria for generic data records validity demonstrated | M | §6.3.7  EN15941 and applicable PCR | §6.3.8  EN15941 and applicable PCR | |  |
| 12.3 | Documentation on data / background data:   1. Name of the (background) data record, its source (data base, literary source etc.), year of data collection and its representativeness 2. Handling missing data 3. Assessing data quality | M | EN15941 and applicable PCR | EN15941 and applicable PCR | |  |
| 12.4 | Manufacturing data should be reproducible, e.g. by available data management systems Random checks could be carried out, or based on importance; some data could be checked in the verification. | O |  |  | |  |
| **13** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 13.1 | General allocation principles applied (avoidance of allocation, no double counting / omissions, uniform application of the allocation rules etc.) | M | ISO14044:2006 4.3.4 | ISO14044:2006 4.3.4 | |  |
| 13.2 | Presentation and justification of allocations in the use of secondary materials or secondary fuels as raw materials | M | §6.4.3 and §8.2 and applicable PCR | §6.4.3 and §8.2 and applicable PCR | |  |
| 13.3 | Presentation and justification of allocations in the plant (delineation from other products in a plant) | M |  |  | |  |
| 13.4 | If applicable: Presentation and justification of allocation of multi-input processes (e.g. landfilling or incineration) | M |  |  | |  |
| 13.5 | Co-product allocation correctly applied, see also 5.3 | M | §6.4.3.2 | §6.4.3.2 | |  |
| 13.6 | Documentation of allocation factors used and their (independent) sources | M |  |  | |  |
| 13.7 | Allocation process for reuse, recycling and recovery, check specifically:   1. Consistency with other scenarios of waste management 2. Conventional average technologies and practices 3. Specification and justification of end-of-waste state where applicable 4. If applicable (module D): Selecting substituted processes in accordance with the PCR or (if no PCR is available) representative actual processes 5. If applicable (substitution in Module D): Calculation of net flows 6. Conservative approach, i.e. choice of those scenarios and calculation rules that reflect the highest environmental impacts in comparison to other choices | M | §6.4.3.3 and applicable PCR | §6.4.3.3 and applicable PCR | |  |
| 13.8 | Is there any presentation or expert guess of data sets which do not comply with the allocation principles and description of consequences for the LCA results? | M | Applicable PCR | Applicable PCR | |  |
| **14** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 14.1 | Transparent presentation of Life Cycle Assessment modeling (for example by tables, screenshots from Life Cycle Assessment software programs etc.) | M | §8.4 | §8.4 | |  |
| 14.2 | Clear description how company data are used in which data records in Life Cycle Assessment software programs | M | §8.4 | §8.4 | |  |
| 14.3 | Assignment of process data to the Life Cycle Assessment modules | M | §8.4 | §8.4 | |  |
| 14.4 | For several locations/products: Presentation of modeling of all locations and products as well as weighting thereof | M |  |  | |  |
| 14.5 | Plausibility and consistency of data (mass balance, energy balance)  Balances on company level and in the life cycle.  e.g. Mass balance between reference flow and wastes for cradle to grave data / Mass of non-energetic resources used coherent with the reference flow / CO and CO2 emissions coherent with the mass of fossil energetic resources / check of the sum of non-renewable and renewable parts or between feedstock and fuel parts / Is the energy indicators coherent with the energetic resources used? | M | §8.4 | §8.4 | |  |
| **15** | **General information - availability** | **M/ O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 15.1 | Presentation of the parameters in tabular form for all modules A1 to D  Marking unassessed modules as "MNA" (= module not assessed) | M | §7.2.2  EN15978 ch.12.5 | §7.2.2  EN15978, §12.5 | |  |
| 15.2 | Presentation of the parameters describing environmental impact (7 parameters), the parameters for describing the use of resources (10 parameters), parameters for describing the waste categories (3 parameters) and parameters concerning output material flows (4 parameters) | M | §6.5, §7.2.3 – §7.2.5 | §6.5, §7.2.3 – §7.2.5 | |  |
| 15.3 | Selection of correct characterization factors and elimination of long-term emissions (> 100 years) | M | §8.2 and annex (amendment) and applicable PCR | §8.2 and annex C.4 and applicable PCR | |  |
| 15.4 | Justification of characterisation factors applied in case of input/output flows that are not on the list of characterisation factors of the EN15804 and applicable PCR | M |  |  | |  |
| 15.5 | Information on the environmental impacts in the project report:  a. Reference to characterisation models and factors  b. Statement that the estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks | M | §8.2 | §8.2 | |  |
| **16** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | | **C & A** |
| 16.1 | Interpretation of the results based on a dominance/contribution analysis of selected indicators | O |  |  | |  |
| 16.2 | Relationship between the results of the Life Cycle Inventory Assessment and the results of the Life Cycle Impact Assessment (LCIA) | M | §8.2 | §8.2 | |  |
| 16.3 | Assumptions and restrictions as regards the interpretation of results in the EPD, in terms of both methods and data | M | §8.2 | §8.2 | |  |
| 16.4 | Variance from the means of LCIA results must be presented if generic data is provided from several sources or [the results] refer to a number of similar products. | M | §8.2 | §8.2 | |  |
| 16.5 | Data quality assessment | M | §8.2  ISO 14040  CEN TR15941  Applicable PCR | §8.2  ISO 14040  CEN TR15941  Applicable PCR | |  |
| 16.6 | Comprehensive transparency as regards value decisions, justifications and expert opinions | M | §8.2 | §8.2 | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **17** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | **C & A** |
| 17.1 | Where relevant to check the documentation:  a. Laboratory results/measurements listed in the content declaration  b. Laboratory results/measurements listed inthe functional/technical performance  c. Documentation on the declared technical information on individual life cycle stages not taken into consideration in the construction product's Life Cycle Assessment and applied for evaluation of the building (e.g. transport routes, energy consumption during the usage stage, cleaning cycles etc.)  d. Laboratory results/measurements pertaining to the declared emissions in indoor air, soil or water during the use stage | M | §8.3 | §8.3 |  |
| 17.2 | Where relevant: ensure that information additional to EN15804 is verified |  |  |  |  |
| **18** | **General information - availability** | **M/O\*** | **Ref. A1** | **Ref. A2** | **C & A** |
| 18.1 | Necessary if the entire life cycle A1-C4 is declared: Documentation for calculating the reference service life (RSL), should be representative for the declared product | M | §6.3.3 | §6.3.4 |  |

**\* M = Mandatory, O = optional**

## Checklist part B: Requirements on the MRPI®-EPD certificate

In principle there are 4 types of MRPI®-EPD the manufacturer can choose. These are described in detail in section 2.3. The verification for all types certificates is essentially the same. For the MRPI®-EPD certificate for the Dutch market also the toxicity indicators must be verified.

The whole section is mandatory to verify. The rules for the EPD format can be found in the EN 15804 §7 and EN 15942: everything that is included in the master ITM (information transfer matrix), should somewhere be documented in the EPD. Additional information in the EPD shall be verified too.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **Formal requirements** | **Ref. A1** | Ref. A2 | **C & A** |
| 1.1 | General, EPD includes:   1. text “Environmental Product Declaration in accordance with ISO 14025 and EN 15804” 2. Statement that “EPD of construction products may not be comparable if they do not comply with EN15804” 3. Publisher / Program Operator, name, address 4. Name of declared product 5. Declaration owner / Name and address of manufacturer/association 6. Representativeness of geographical area 7. Representativeness with regard to which manufacturer(s) 8. Program logo and website 9. Date of issue + validity (5 years) 10. Variability for average declaration 11. Product composition 12. Stages omitted, if not full LCA 13. Declaration of material content of SVHC that are listed on the "Candidate List of Substances of Very High Concern for authorisation" when their content exceeds the limits for registration with the European chemicals Agency. | §7.1 | §7.1 |  |
| 1.2 | PCR name  PCR version (MM YYYY) | Applicable PCR | Applicable PCR |  |
| 1.3 | Demonstration of verification: external[[2]](#footnote-2) independent verification, name of third party verifier | §7.1, Table 2 | §7.1, Table 2 |  |
| 1.4 | Information on the validity corresponds with the specifications in the project report |  |  |  |
| **2.** | **Product** | **Ref. A1** | Ref. A2 | **C & A** |
| 2.1 | The product description is in line with the project report and the product studied, and clear enough described in the EPD to understand what product is declared |  |  |  |
| 2.2 | If applicable: Explanations on calculations of averages within a product group | §7.1 | §7.1 |  |
| 2.3 | Specification / identification (picture, name, model) | §7.1 | §7.1 |  |
| 2.4 | Indication of the intended use | §7.1 | §7.1 |  |
| 2.5 | Relevant technical data (additional information is possible) including RSL if applicable |  |  |  |
| 2.6 | The test standards to which the technical data are referred to. |  |  |  |
| 2.7 | A description of the main product components and or materials is provided in accordance with the specifications of the PCR (if available) and LCA project report.  As a minimum substances that are listed in the latest “Candidate List of Substances of Very High Concern for authorisation” if their content exceeds the limits for registration. | §7.1 | §7.1 |  |
| 2.8 | Description of the manufacturing process / all manufacturing processes if several locations are involved | §7.1 | §7.1 |  |
| **3** | **LCA rules** | **Ref. A1** | Ref. A2 | **C & A** |
| 3.1 | Information on the declared / functional unit corresponds with the specifications of the PCR (if available) | Applicable PCR | Applicable PCR |  |
| 3.2 | Indication of the EPD type (cradle-to-gate, cradle-to-gate with options, cradle-to-grave) | §7.2.2 | §7.2.2 |  |
| 3.3 | EPD contains a (simple) flow diagram in accordance with the modular approach | §7.2.1 | §7.2.1 |  |
| 3.4 | Description of the system boundary (can be simplified, as a picture or in wording)  Presentation of assignment of the analysed processes to the life cycle modules |  |  |  |
| 3.5 | Indication of the key assumptions and estimates for interpretation which are not depicted elsewhere in the EPD |  |  |  |
| 3.6 | Presentation of the application of cut-off criteria in accordance with the project report |  |  |  |
| 3.7 | Source of background data used |  |  |  |
| 3.8 | Indication of the age of background data used |  |  |  |
| 3.9 | Information on the data collection period and resulting averages |  |  |  |
| 3.10 | Presentation of the allocations of relevance for calculation in accordance with the minimum requirements of the PCR |  |  |  |
| **4** | **LCA: Scenarios and additional technical information** | **Ref. A1** | Ref. A2 | **C & A** |
| 4.1 | Mandatory for all declared modules > A3: Presentation of the assumptions pertaining to the scenarios of the declared modules in accordance with the project report.  Information on undeclared modules is optional. | §7.3 | §7.3 |  |
| 4.2 | If a reference service life is declared in the EPD, presentation of the scenario on which the RSL is based, in accordance with the project report | §7.3.3.2 | §7.3.3.2 |  |
| **5** | **LCA: Results** | **Ref. A1** | Ref. A2 | **C & A** |
| 5.1 | Description of the declared / functional unit |  |  |  |
| 5.2 | Identification of the declared/undeclared modules  MNA = module not assessed |  |  |  |
| 5.3 | Full declaration of all indicators required according to the modular approach  ND = Not Declared | §7.2.3, §7.2.4, §7.2.5 and §7.5 | §7.2.3, §7.2.4, §7.2.5 and §7.5 |  |
| 5.4 | Compliance of the declared values with the information in the project report |  |  |  |
| 5.5 | In case of product averages: description of the range / variability of the LCIA results | §7.1 | §7.1 |  |
| 5.6 | Deletion of module columns which are not declared (permissible for the *Results part*) if program allows | Program Operator rules | Program Operator rules |  |
| 5.7 | Formatting the table framework and parameter addressed in accordance with the specifications of the PCR or the Program Operator rules |  |  |  |
| **6** | **Evidence for tests or certificates** | **Ref. A1** | Ref. A2 | **C & A** |
| 6.1 | Additional information is provided to indoor air or soil/water, if applicable | §7.4 | §7.4 |  |
| 6.2 | Declaration of the relevant evidence. Information where to find this evidence | §7.2 and applicable PCR, existing program rules | §7.2 and applicable PCR, existing program rules |  |
| **7** | **References** | **Ref. A1** | Ref. A2 | **C & A** |
| 7.1 | Full indication of all referenced sources (excluding standards already quoted in full and standards concerning evidence) |  |  |  |

## Example of dialogue between verifier LCA practitioner during the verification process

Any deviations from the requirements should be reported by the verifier, and the dialogue between verifier and LCA practitioner should be made transparent as well improvements made following the verification process. This can be done separate from the checklist. The format to do so is free to choose. Examples are given below:

*Example:*

|  |  |  |
| --- | --- | --- |
| Issue number | Question / comment | response |
|  |  |  |
|  |  |  |

*Example* (partly based on XP TS14071)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Comment N° | Chapter Article  Paragraph | Alinea  Table | Type of comment (Ed, Te, Ge)\* | Ref. to a Eco check list | Verifier comment and recommendation | EPD owner / LCA practitioner answer | Final verifier statement |
|  |  |  |  |  |  |  |  |

\*Ed = Editorial

\*Te = Technical

\*Ge = General

1. *Stichting MRPI® uses EN 15804+A1 and EN 15804+A2 as the core PCR.* [↑](#footnote-ref-1)
2. *EN15804 ch.7.2 Table 2 mentions the possibility of internal or external verification. In the ECO Platform external verification is preferred and advised* [↑](#footnote-ref-2)