

LCI data set review report

Table 1: General review reporting items

REVIEW REPORTING			
General information			
Data set name	Cartonboard sheets; mixed technology; production mix, at plant; 46% primary fibre, 54% recovered fibre (en)		
Data set UUID and version number	54025657-ca8e-1cd4-3330-0000339bcc6d		
Data set locator (e.g. Permanent URI, URL, contact point, or database name and version, etc.)	ILCD format 1.1		
Data set owner	Pro Carton		
Review commissioner(s)	JRC		
Reviewer name(s) and affiliation(s), contact	Julia Pflieger		
Review type applied	Independent external reviewer		
Date of review completion (DD/MM/YYYY)	15.10.2012		
Reviewed against / Compliance system name	ILCD Data Network - Entry-level requirements		
Reviewer assessment:			
Aspect	Yes	No	Comments
Quality compliance (ISO 14040 & 14044) fulfilled (see table 2)			
Method compliance (ISO 14040 & 14044) fulfilled and documented in data set			
Nomenclature compliance (see table 3) fulfilled		X	see table 3
Documentation compliance (see table 3) fulfilled	X		see table 3
Review compliance (Independent external review OR independent internal review + review report) fulfilled			
Compliant with ISO 14040 & 14044			
Overall compliant with Compliance system			
Date, location, reviewer signature			PE INTERNATIONAL AG Hauptstraße 111 - 113 70771 Leinfelden- Echterdingen Germany

Table 2: Specific/detailed review reporting items for LCI data set: Quality compliance (ISO 14040 & 14044)

ITEMs	Comments
<p>Time-related coverage/representativeness:</p> <p>“age of data and the minimum length of time over which data should be collected”</p> <p>“qualitative assessment of the degree to which the data set reflects the true population of interest”</p>	
<p>Geographical coverage/representativeness:</p> <p>“geographical area from which data for unit processes should be collected to satisfy the goal of the study”</p> <p>“qualitative assessment of the degree to which the data set reflects the true population of interest”</p>	
<p>Technology coverage/representativeness:</p> <p>“specific technology or technology mix”</p> <p>“qualitative assessment of the degree to which the data set reflects the true population of interest”</p>	
<p>Precision:</p> <p>“measure of the variability of the data values for each data expressed (e.g. variance)”</p>	
<p>Completeness:</p> <p>“percentage of flow that is measured or estimated”; assessed on level of process</p>	
<p>Consistency:</p> <p>“qualitative assessment of whether the study methodology is applied uniformly to the various components of the analysis”</p>	
<p>Sources of the data; Appropriateness of use primary/secondary data source</p>	
<p>Uncertainty of the information (e.g. data, models and assumptions).</p>	
<p>Others</p>	

Table 3: Specific/detailed review reporting items for LCI data set: Nomenclature and Documentation

ITEMs		Comments						
Nomenclature								
Correctness and consistency of applied nomenclature (Preferred use of ILCD flows etc.; Correct nomenclature of other flows; Exclusion of not permissible waste flows, sum indicator elementary flows etc.)		<p>Flows check results and analysis:</p> <table border="1"> <thead> <tr> <th>Flow</th> <th>Action required</th> </tr> </thead> <tbody> <tr> <td colspan="2">See Excel file attached, where 275 flows appeared as not valid.</td> </tr> <tr> <td colspan="2">Please revise all flows following the ILCD modeling principles and ILCD nomenclature flow list. Ensure that the tool used to convert the original dataset to ILCD format takes into account the ILCD nomenclature and flows.</td> </tr> </tbody> </table>	Flow	Action required	See Excel file attached, where 275 flows appeared as not valid.		Please revise all flows following the ILCD modeling principles and ILCD nomenclature flow list. Ensure that the tool used to convert the original dataset to ILCD format takes into account the ILCD nomenclature and flows.	
Flow	Action required							
See Excel file attached, where 275 flows appeared as not valid.								
Please revise all flows following the ILCD modeling principles and ILCD nomenclature flow list. Ensure that the tool used to convert the original dataset to ILCD format takes into account the ILCD nomenclature and flows.								
Documentation								
Appropriateness of documentation* (see Document "Documentation of LCA data sets")		Yes, entry level compliance.						
Appropriateness of documentation form (ILCD Format)	No.	Message / Action required						
	1	<p>Compliance error: General compliance: Could not find proper reference to compliance system.</p> <p>Action required: none changed by PEI.</p> <p>../sources/d92a1a12-2545-49e2-a585-55c259997756_01.01.000.xml</p>						
	2	<p>Compliance error: documentation compliance: Element treatmentStandardsRoutes[@xml:lang='en'] must be present and non-empty.</p> <p>Action required: add missing information</p> <p>Information regarding the technical process qualities of the product should be given in "Process information tab" from ILCD editor tool, 3rd line.</p>						
	3	<p>Compliance error: documentation compliance: Element mixAndLocationTypes[@xml:lang='en'] must be present and non-empty.</p> <p>Action required: add missing information</p> <p>Information regarding the type of data mix (e.g. production mix at plant) should be given in "Process information tab" from ILCD editor tool, 4th line.</p>						
4	<p>Compliance error: documentation compliance: Element funtionalUNitFlowProperties[@xml:lang = 'en'] must be present and non-empty.</p>							

		<p>Action required: add reference unit</p> <p>Information regarding the quantity and measurement of the functional unit should be provided in “Process information tab/Quantitative reference/Functional unit...” from ILCD editor tool.</p>
	5	<p>Compliance error: documentation compliance: Element percentageSupplyOrProductionCovered must be present and non-empty.</p> <p>Action required: add missing information</p> <p>The percentage of production covered with the dataset should be provided (e.g. 97) should be provided in “Modeling and validation tab/Percentage supply..” from ILCD editor tool.</p>
	6	<p>Compliance error: documentation compliance: Element referenceToSupportedImpactAssessmentMethods must be present.</p> <p>Action required: add reference to Impact assessment methods.</p>
	7	<p>Compliance error: documentation compliance: Element accessRestrictions[@xml:lang='en'] must be present and non-empty.</p> <p>Action required: add description of access and use restrictions</p>
	8	<p>Compliance error: documentation compliance: Element exchange/meanAmount must be present and non-empty.</p> <p>Action required: move values from flow comment field to the mean amount column</p>
	9	<p>Compliance error: documentation compliance: Element exchange/resultingAmount must be present and non-empty.</p> <p>Action required: move values from flow comment field to the resulting amount column</p>

Note: *Documentation: the content has to be check for clarity etc.