

PCF_Validation

File link:

1. Purpose of the file:

This file is exported from the Fact PCF table and must be completed by the Process Owner to validate computed Product Carbon Footprint (PCF) values for finished products.

For each finished product / plant / production year combination, the file pre-populates system-generated fields (PCF value, BOM balance, source, metadata dates, run ID) and exposes two fields for the Process Owner to fill in: validation_input (YES or NO) and comment.

The validated data is re-imported into the PCF tool to confirm or flag PCF values as valid, rejected, or under review. Previous validation history is also included (last_validated_value, last_pcf_final, pcf_ID, last_validated_comment, validation_insert_date) to provide context for the review.

2. File Structure

2.1. List of tabs

Sheet Name	Description	Mandatory	Comment
PCF_Validation	Main data sheet. Pre-populated with system data; Process Owner fills in validation_input and comment only.	YES	Don't delete this sheet

2.2. Main columns description

SHEET: PCF_Validation

FIELD	gbu	site_code	site_name	plant_code	plant_name	material_code	material_name	prod_year	product_type	bom_balance	rm_mapped_pcf	pcf_final	source_pcf_fp	fact_pcf_is_valid	fact_pcf_metadata_date	fact_pcf_metadata_run_id	fact_pcf_update_date	validation_input	comment	last_validated_value	last_pcf_final	pcf_ID	last_validated_comment	validation_insert_date	validation_insert_date2
DESCRIPTION	SAP code of the Global Business Unit.	Unique CERISE code of the site where the finished product is produced.	Name of the site as identified in CERISE.	Unique SAP code of the plant where the finished product is produced.	SAP name of the plant.	Unique SAP code assigned to the finished product.	SAP name of the finished product.	Calendar year for which the PCF is computed.	Indicates whether the product is SIMPLE (only the finished product is produced) or COMPLEX (the BOM recipe contains materials produced simultaneously with the finished product).	Proportion of raw material quantities compared to the finished product quantity.	Proportion of raw materials in the BOM recipe for which an emission factor is available.	Global PCF (kgCO ₂ e/kg) for the finished product as computed by the PCF tool.	Source of the PCF data.	System indicator confirming the data is the most recent, valid, and relevant record.	Timestamp indicating when the PCF data was first calculated and inserted.	Unique identifier assigned to the specific PCF calculation run.	Timestamp indicating when the PCF data was most recently updated.	Evaluation of the PCF value by the Process Owner. Must be filled in for each row.	Free-text notes added by the Process Owner to explain or justify the validation decision (e.g. reason for rejection, data anomalies).	The validation decision recorded during the most recent previous validation cycle.	The PCF value that was validated in the most recent previous validation cycle.	Unique identifier of the PCF record that was validated in the previous cycle.	The comment recorded during the most recent previous validation cycle.	Timestamp of the most recent validation submission for this record.	Timestamp of the second most recent validation submission for this record (historical).
DATA TYPE	String	String	String	String	String	String	String	String	String	Float	Float	Float	String	String	Timestamp	String	Timestamp	String	String	String	Float	String	String	Timestamp	Timestamp
MANDATORY	YES	YES	NO	YES	NO	YES	NO	YES	NO	YES	YES	NO	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
VALIDATION / ALLOWED VALUES	e.g. CS, SP, TS, PA, OG, CM. Validated against known GBU list.	e.g. 1386, 1341	Free text	e.g. 0241, 7851	Free text	e.g. WP 2.400 /45 571	e.g. 2024, 2025		SIMPLE COMPLEX	Float 0	Float between 0 and 1	Float 0	Computed FPCF or Manual FPCF	YES NO	Format: YYYY-MM-DD HH:MM:SS	System-generated alphanumeric ID	Format: YYYY-MM-DD HH:MM:SS	YES or NO only	Free text	YES NO (from prior cycle)	Float 0	System-generated hash string	Free text (from prior cycle)	Format: YYYY-MM-DD HH:MM:SS	Format: YYYY-MM-DD HH:MM:SS
TYPE	System	System	System	System	System	System	System	System	System	System	System	System	System	System	System	System	System	Process Owner	Process Owner	System	System	System	System	System	System

3. Filling instructions

Sheet Name	Instructions
Sheet1	• This file is pre-populated with system-generated data exported from the Fact PCF table. Do NOT modify any system-generated columns (all columns except validation_input and comment). • The only two fields to be filled in by the Process Owner are: – validation_input: must be either YES (PCF value is validated) or NO (PCF value is rejected). This field is mandatory for every row. – comment: optional free-text justification, particularly recommended when validation_input = NO (e.g. "[NFP] Not a finished product", "[BLC] balance gap not explained", "[MBL] Mass Balance"). • Rows where validation_input is left blank will not be processed. • Do not add or remove rows or columns. • Previous validation history columns (last_validated_value, last_pcf_final, pcf_ID, last_validated_comment, validation_insert_date) are provided for reference only – do not modify them. • Duplicate rows will be rejected during data upload. Ensure no duplicate entries are present..

4. Maintenance best practices

Please comply with the following instructions to maintain the file:

- Always keep the original structure (do not add/remove columns without approval).
- Update only the necessary fields.
- Save a backup copy before any major changes.
- Respect data confidentiality.

5. Contact Points

File owner	Hubert Sizaret
Technical Support	Camille Faure Laëtitia Arantes

The data owner will receive the error file by email and will be responsible for making any necessary manual corrections.

For any questions or issues, please contact the responsible person listed above.

Please strictly follow these guidelines to ensure data quality and reliability.