IMDS RELEASE 15.0

PRELIMINARY SPECIFICATION

EXTENSIONS AND CHANGES TO THE IMDS CONNECT

DOCUMENT REVISION 1.8.6

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1 Purpose of this document

This document describes only extensions and changes of the IMDS Release 15.0, which have direct or indirect impact on the IMDS Connect. Therefore, we recommend reading through all the provided preliminary release documents (e.g., Preliminary Release 15.0 Information), because the new features are described there completely and in more detail.

Please be aware that this is a preliminary document, and potential descriptions may still change due to technical needs or performance.

Note: The specifications mentioned in this document (revision 1.0) are also reflected in the IMDS Connect manuals “Download Manual with Spec.doc (Version 15.0, Revision 1) “Upload User Manual.doc” (Version 15.0, Revision 1), which will be available for download on the IMDS Next Model Office instance, on screen “Administration” → “Download”, tab “Documentation and Tools” after the IMDS Release 15.0 rollout.

2 Overview

The following colouring is used within this document to highlight changes to previous versions of the IMDS Connect specification:

Existing interface description

Changes to the interface in release 15.0 described in the current chapter

Changes to the interface in release 15.0 described in another chapter

~~Changes to the interface (removed content) in release 15.0 described in the current chapter~~

Change in upload result file by adding regulation version to result file

3 Version of Specification

The version of this specification is 15,00.

4 Other relevant documents

Document / Deliverable	Contains

5 Changes in Relation to Regulation Files

5.1 Providing Information on Regulation

The regulatory information is already visible in the IMDS web application as soon as a datasheet is received. IMDS Connect now also provides this information in the CRDaily file on the day of receipt and no longer only after an MDS has been accepted.

5.2 Number Format for Regulation Versions

The value for the version will be null instead of -1 in case a version does not exist.

BIOCIDEMAT		
No.	Name	Type
1	"BM" (Record Identifier)	A2
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Version Create Date	DT
5	Version Release Date (empty if the regulation is not released)	DT
6	Still in Production?	N1 (-1=not answered, 0=No, 1=Yes)

Table 5-1

BIOCIDESMATERIALSUBTANCE		
No.	Name	Type
1	"BMS" (Record Identifier)	A3
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Substance	N18
5	Added for biocidal property	N1 (-1=not answered, 0=No, 1=Yes)
6	Biocidal property desired in finished article/product	N1 (-1=not answered, 0=No, 1=Yes)

Table 5-2

BIOCIDESMATSUBSTPRODUCTTYPE		
No.	Name	Type
1	"BMP" (Record Identifier)	A3
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Substance	N18
5	Product Type ID	N4

Table 5-3

REACHMATERIALREGULATION		
No.	Name	Type
1	"RM" (Record Identifier)	A2
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Version Create Date	DT
5	Version Release Date (empty if the regulation is not released)	DT
6	Still in Production?	N1 (-1=not answered, 0=No, 1=Yes)
7	EEA produced	N1 (-1=not answered, 0=No, 1=Yes)

Table 5-4

REACHMATERIALSUBSTANCE		
No.	Name	Type
1	"RMS" (Record Identifier)	A3
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Substance	N18
6	Authorization status ID	N1 (-1=not answered)

Table 5-5

REACHCOMPREGULATION		
No.	Name	Type
1	"RC" (Record Identifier)	A2
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Version Create Date	DT
5	Version Release Date (empty if the regulation is not released)	DT
6	Produced in EEA?	N1 (-1=not answered, 0=No, 1=Yes, 2=Available from Stock)

Table 5-6

REACHCOMPONENTMAT		
No.	Name	Type
1	"RCM" (Record Identifier)	A3
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Material	N18
5	Material Imported	N1 (-1=not answered, 0=No, 1=Yes)
6	Authorization status ID	N1 (-1=not answered)

Table 5-7

6 Enhancement: MCCP Regulation Type

MCCP regulatory information is added to the existing CR and PR files. A list of all available hazard statements is provided in the "HS" common file (→ 6.1.2 New Common File Type "Hazard Statements"). New elements are introduced for upload files to enter MCCP regulatory information.

6.1 Changes in Download

6.1.1 Changes to existing section "5.3.22 Chemistry Manager Regulation Files"

	File Type Name	Content
Company specific file	CR (**C**ompany specific **R**egulations)	Reach Components, Reach Materials, Biocide Materials, MCCP Materials, TNPP Materials
Public file	PR (**P**ublic **R**egulations)	Reach Components, Reach Materials, Biocide Materials, MCCP Materials, TNPP Materials

Table 6-1

BNF Structure:

Public Regulations:

PUBREGULATIONSTRUCT	=	PUBREGULATIONHEADER REGULATIONBODY
REGULATIONEHEADER	=	(DAILYFILEHEADER | INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = "PUBREG" (Type: A6
REGULATIONBODY	=	*REACHCOMPONENTSTRUCT *REACHMATERIALSTRUCT *BIOCIDESREGSTRUCT *MCCPSREGSTRUCT *TNPPSREGSTRUCT

Company Regulations:

PUBREGULATIONSTRUCT	=	COMPREGULATIONHEADER REGULATIONBODY
REGULATIONEHEADER	=	(DAILYFILEHEADER | INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = "COMPREG" (Type: A7
REGULATIONBODY	=	*REACHCOMPONENTSTRUCT *REACHMATERIALSTRUCT *BIOCIDESREGSTRUCT *MCCPSREGSTRUCT *TNPPSREGSTRUCT

MCCP Regulation

MCCPSREGSTRUCT	=	*MCCPMATRELATIONS *MCCPMATENTRY
MCCPSMATENTRY	=	MCCPMAT *MCCPSMATERIALSUBTANCE *MCCPSMATSUBSTGHSS

MCCPMATRELATIONS		
No.	Name	Type
1	"MCCPMR" (Record Identifier)	A6
2	Regulation ID	N9
3	Node ID Module	N18
4	Node ID Parent	N18
5	Node ID Material	N18
6	Regulation Create Date	DT

Table 6-2

MCCPMAT		
No.	Name	Type
1	"MCCPM" (Record Identifier)	A5
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Version Create Date	DT
5	Version Release Date (empty if the regulation is not released)	DT

Table 6-3

Record is not included in the download file if no regulatory information is available.

MCCPSMATERIALSUBTANCE		
No.	Name	Type
1	"MCCPMS" (Record Identifier)	A6
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Substance	N18
5	The Substance contains	N1 (-1 = None, 0 = “>=80%”, 1 = “>=45%”)

Table 6-4

Record is not included in the download file if no regulatory information is available.

MCCPSMATSUBSTGHSS		
No.	Name	Type
1	"MCCPMG" (Record Identifier)	A6
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Substance	N18
5	Classification Code	A20 (-1 = Not Classified)

Table 6-5

Note:
Each MCCPM:

- Has one or more MCCPMS below, based on selected options in “The Substance contains” question.
- Can have one or more MCCPMG below, based on selected Hazard Statements.

6.1.2 New Common File Type “Hazard Statements”

This public file with the ID "HS" contains all available Hazard Statements which are relevant for MCCP regulations and is only available as an initial file (HSAll).

BNF Structure:

HAZARDSTATEMENTSTRUCT	=	HAZARDSTATEMENTHEADER HAZARDSTATEMENTBODY
HAZARDSTATEMENTHEADER	=	(DAILYFILEHEADER | INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = " HAZARDSTATEMENT" (Type: A15)
HAZARDSTATEMENTBODY	=	*GHSENTRY

GHSENTRY		
No.	Name	Type
1	“HS” (Record Identifier)	A2
2	Classification Code	A20
3	Hazard Statement	A200
4	Is Obsolete	N1 (0 = false, 1 = true)
Sort order (ASC): Classification Code		

Table 6-6

6.2 Changes in Upload

DTD representation For the MCCP Regulation Type:

```
<!ELEMENT MccpMat                                    (MccpMatSubst)+>
<!ELEMENT MccpMatSubst(HazardStatementList?,SubstanceContainsList?)*>
<!ATTLIST MccpMatSubst          IMDS_ID              CDATA #REQUIRED>
<!ELEMENT HazardStatementList                    (HazardStatement)+>
<!ELEMENT HazardStatement                                    EMPTY>
<!ATTLIST HazardStatement       ClassificationCode   CDATA #REQUIRED>
<!ELEMENT SubstanceContainsList                (SubstanceContains)+>
<!ELEMENT SubstanceContains                                  EMPTY>
<!ATTLIST SubstanceContains     PortionCode          CDATA #REQUIRED>
```

6.2.1 Changes to existing section “7.53 Element Regulation”

A Regulation must always contain an element of type BiocideMat, ReachMat, ReachComp or MccpMat except for clean versions. Then these elements must be omitted

6.2.2 Element “MccpMat”

Represents MCCP regulatory information for Material (Material MDS containing MCCP – Medium chain chlorinated substances).

The XML element will have the following new attribute:

Name		Purpose
IMDS_ID	Integer	This attribute is mandatory and represents the Node ID of the Material.

Table 6-7

6.2.3 Element “MccpMatSubst”

Represents MCCP regulatory information for Medium chain chloronated substances included inside the Material MDS.

The XML element will have the following new attribute:

Name		Purpose
IMDS_ID	Integer	This attribute is mandatory and represents the Node ID of the MCCP substance.

Table 6-8

6.2.4 Element “HazardStatementList”

This element represents a list Hazard Statements that are assigned to a substance in a material (Element MccpMatSubst), each substance will have as many HazardStatement Elements as the number of Hazard Statements assigned to it.

The XML element will have no attribute.

6.2.5 Element “HazardStatement"

This element represents of Hazard Statement that are assigned to a substance in a material (Element MccpMatSubst), each substance will have as many HazardStatement Elements as the number of Hazard Statements assigned to it, the following attribute exists for HazardStatement.

The XML element will have the following new attribute:

Name		Purpose
ClassificationCode	String (valid HazardStatement classificationCode , “-1”)	Possible values are provided from Hazard Statement classification codes lookup. A “-1“value will indicate a Not Classified” Hazard Statement. It is not allowed to supply a HazardStatement with classification code “-1”, (i.e., Not Classified) along with other HazardStatement Elements with valid classification codes, -1 (Not Classified hazard statement should be exclusive).

Table 6-9

6.2.6 Element “SubstanceContainsList”

This element represents a list of Chloroalkanes Portions that are contained by a substance in a material (Element MccpMatSubst), each substance will have as many Chloroalkanes Portion Elements as the number of SubstanceContains statements assigned to it.
The XML element will have no attribute.

6.2.7 Element “SubstanceContains”

This element represents a Chloroalkanes Portion that are contained by a substance in a material (Element MccpMatSubst), each substance will have as many Chloroalkanes Portion Elements as the number of SubstanceContains statements assigned to it, the following attribute exists for SubstanceContains.

The XML element will have the following new attribute:

Name		Purpose
PortionCode	String (“none “, “greaterEqual80”, “greaterEqual45”)	“none“ expressively indicates no assigned Portion. No other Portion Code is allowed when “none” is chosen. “greaterEqual80" stands for ‘greater or equal of 80% of linear chloroalkanes with carbon chain lengths within the range from C14 to C17’. “greaterEqual45” stands for ‘greater or equal of 45% by weight of chlorine in chloroalkanes with carbon chain lengths within the range from C14 to C17’. An empty Value is not allowed as MCCP Regulation cannot be released without a value for Chloroalkane Portion.

Table 6-10

6.2.7.1 Sample XML

Upload MCCP Regulation Info for Material with two MCCP Substances.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE Task SYSTEM "./data/upload.dtd">
<Task>
    <Regulation Reg_ID="4087596">
        <MccpMat>
            <MccpMatSubst IMDS_ID="1322" >
                <SubstanceContainsList>
                    <SubstanceContains PortionCode="greaterEqual80"/>
                    <SubstanceContains PortionCode="greaterEqual45"/>
                </SubstanceContainsList>
                <HazardStatementList>
                    <HazardStatement ClassificationCode="H204"/>
                    <HazardStatement ClassificationCode="H206"/>
                </HazardStatementList>
            </MccpMatSubst>
            <MccpMatSubst IMDS_ID="33192878" >
                <SubstanceContainsList>
                    <SubstanceContains PortionCode="none"/>
                </SubstanceContainsList>
                <HazardStatementList>
                    <HazardStatement ClassificationCode="-1"/>
                </HazardStatementList>
            </MccpMatSubst>
        </MccpMat>
    </Regulation>
</Task>
```

7 Enhancement: TNPP Regulation Type

TNPP regulatory information is added to the existing CR and PR files. New elements are introduced for upload files to enter TNPP regulatory information.

7.1 Changes in Download

TNPP Regulation

TNPPSREGSTRUCT	=	*TNPPMATRELATIONS *TNPPMATENTRY
TNPPSMATENTRY	=	TNPPMAT *TNPPSMATERIALSUBTANCE

TNPPMATRELATIONS		
No.	Name	Type
1	"TNPPMR" (Record Identifier)	A6
2	Regulation ID	N9
3	Node ID Module	N18
4	Node ID Parent	N18
5	Node ID Material	N18
6	Regulation Create Date	DT

Table 7-1

TNPPMAT		
No.	Name	Type
1	"TNPPM" (Record Identifier)	A5
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Version Create Date	DT
5	Version Release Date (empty if the regulation is not released)	DT

Table 7-2

Record is not contained in the download file if the questions are still not answered.

TNPPSMATERIALSUBTANCE		
No.	Name	Type
1	"TNPPMS" (Record Identifier)	A6
2	Regulation ID	N9
3	Regulation Version	N(null)4
4	Node ID Substance	N18
5	Question Contains 4-Nonylphenols	N1(0= No, 1=Yes)

Table 7-3

Note: Each TNPPM record has exactly one TNPPMS record below"

7.2 Changes in Upload

DTD representation For the TNPP Regulation Type:

```
<!ELEMENT TnppMat                                    (TnppMatSubst)+>
<!ELEMENT TnppMatSubst                          (Contains4nonylphenols?*>
<!ATTLIST TnppMatSubst              IMDS_ID              CDATA #REQUIRED>
<!ELEMENT Contains4nonylphenols                                  EMPTY>
<!ATTLIST Contains4nonylphenols                   value CDATA #REQUIRED>
```

7.2.1 Changes to existing section “7.53 Element Regulation”

A Regulation must always contain an element of type BiocideMat, ReachMat, ReachComp, MccpMat or TnppMat except for clean versions. Then these elements must be omitted.

7.2.2 Element “TnppMat”

Represents TNPP regulatory information for Material (Material MDS containing TNPP – Tris(nonylphenyl)phosphite substance).

The XML element will have the following new attribute:

Name		Purpose
IMDS_ID	Integer	This attribute is mandatory and represents the Node ID of the Material.

Table 7-4

7.2.3 Element “TnppMatSubst”

Represents TNPP regulatory information for Tris(nonylphenyl)phosphite substances included inside the Material MDS

The XML element will have the following new attribute:

Name		Purpose
IMDS_ID	Integer	This attribute is mandatory and represents the Node ID of the TNPP substance.

Table 7-5

7.2.4 Element “Contains4nonylphenols"

This element represents if the substance Contains >0.1% 4-nonylphenols or not. The XML element will have the following new attribute:

Name		Purpose
Value	String (“Yes” or “No”) not case sensitive	This attribute is mandatory and indicates if the substance Contains >0.1% 4-nonylphenols or not.

Table 7-6

7.2.4.1 Sample XML

Upload TNPP Regulation Info for Material with one TNPP Substance.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<Task>
<Regulation Reg_ID="4091209">
<TnppMat>
    <TnppMatSubst IMDS_ID="41532">
        <Contains4nonylphenols value="Yes"/>
    </TnppMatSubst>
</TnppMat>
</Regulation>
</Task>
```

8 Dynamic SVHC Flagging

8.1 New Company specific File Type "Dynamic SVHC"

The file with the ID "DS" contains all changes in SVHC for MCCP and TNPP materials referenced by MDS owned or received by the given IMDS Connect Company. It is a company specific file and will be created daily (DSDaily). Initial (DSAll) and period files (DSPeriod) must be requested by the customer.

BNF Structure for 7.1.2 and 7.1.3:

DYNAMICSVHCSTRUCT	=	DYNAMICSVHCHEADER DYNAMICSVHCBODY
DYNAMICSVHCHEADER	=	(DAILYFILEHEADER | INITIALFILEHEADER| TIMEPERIODFILEHEADER | LISTFILEHEADER) with Data File Identifier = " DYNAMICSVHC" (Type: A11)
DYNAMICSVHCBODY	=	*DYNAMICSVHCENTRY

DYNAMICSVHCENTRY		
No.	Name	Type
1	"DS" (Record Identifier)	A2
2	Node ID Parent	A18
3	Node ID (Node ID for substance)	A18
4	Node ID Child	A18
5	Is SVHC	B
6	Last Change DT	DT
Sort order (ASC): Last Change DT		

Table 8-1

Note:

The Node ID Parent and the Node ID Child are different if the child node is a standard material, otherwise both node IDs are the same. The parent node can be a material, a semi-component, or a component.

8.2 New Common File Type "Published Dynamic SVHC"

The file with the ID "PDS" contains all changes in SVHC for MCCP and TNPP materials referenced by published MDSs. It is a public file and will be created daily (PDSDaily). Initial (PDSDaily) and period files (PDSDaily) must be requested by the customer.

BNF Structure for 7.1.2 and 7.1.3:

PUBLICDYNAMICSVHCSTRUCT	=	PUBLISHEDDYNAMICSVHCHEADER PUBLISHEDDYNAMICSVHCBODY
PUBLICDYNAMICSVHCHEADER	=	(DAILYFILEHEADER | INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = " PUBLISHEDDYNAMICSVHC" (Type: A20)
PUBLICDYNAMICSVHCBODY	=	*PUBLISHEDDYNAMICSVHCENTRY

PUBLICDYNAMICSVHCENTRY		
No.	Name	Type
1	"DS" (Record Identifier)	A2
2	Node ID Parent	A18
3	Node ID (Node ID for substance)	A18
4	Node ID Child	A18
5	Is SVHC	B
6	Last Change DT	DT
Sort order (ASC): Last Change DT		

Table 8-2

Note:

The Node ID Parent and the Node ID Child are different if the child node is a standard material, otherwise both node IDs are the same. The parent node can be a material, a semi-component, or a component.

9 Enhancement: Represent null value as empty instead of “-1” in filler flag in “RP” record

7.1 Update column 14 in table 5-3 page 22 of 82 to be:

RELPERCENTAGE		
No.	Name	Type
14	Filler (If referenced substance is part of Filler (Dual Use) group and parent material classification is 5.1.a filled Thermoplastics, filler flag will hold 0 or 1)	“N1” (empty = not a substance or (referenced substance is not part of filler group and classification is 5.1.a) or (referenced substance is part of filler group and classification is not 5.1.a) 0 = referenced substance is not used as filler 1 = referenced substance is used as filler)

Table 9-1

10 General Enhancement for Regulation Upload: Add Regulation Version to Result file of Regulation Upload for all types of regulations

Change in the result file when upload is successful by adding the reg version to the xml in the result file

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<Results ImportDate="17.12.2024 10:50:09">
  <Source_Element No="1" TopNode="Regulation">
    <Regulation>
      <ReachComp>
        <ReachCompMat></ReachCompMat>
      </ReachComp>
    </Regulation>
    <Summary Verdict="Success" Source_Element_No="1"
             Reg_ID="4092845" RegVersion="0">
      Regulation successfully released
    </Summary>
  </Source_Element>
</Results>
```

11 Enhancement: Avoid non-applicable fields in IMDS Connect download

The answer to the question “Contains recyclate?” is null if the “Inorganic or fossil-based content min value” and “Inorganic or fossil-based content max value” are set to zero.

11.1 Changes in Download

MATERIALCONTENTSUMMARIZED		
No.	Name	Type
1	“MCS” (Record Identifier)	A3
2	Node ID of the immediate parent node	N18
3	Node ID of this node (child)	N18
4	Question “Contains recyclate?”	N(null)x -1= not yet answered null = not applicable
5	Mechanical pre-consumer recyclate content – min value	N(null)7,4
6	Mechanical pre-consumer recyclate content – max value	N(null)7,4
7	Mechanical post-consumer recyclate content – min value	N(null)7,4
8	Mechanical post-consumer recyclate content – max value	N(null)7,4
9	Chemical pre-consumer recyclate content – min value	N(null)7,4
10	Chemical pre-consumer recyclate content – max value	N(null)7,4
11	Chemical post-consumer recyclate content – min value	N(null)7,4
12	Chemical post-consumer recyclate content – max value	N(null)7,4
13	Secondary bio-based content – min value	N(null)7,4
14	Secondary bio-based content – max value	N(null)7,4

Table 11-1

MATERIALCONTENTDETAIL		
No.	Name	Type
1	“MCD” (Record Identifier)	A3
2	Node ID of the immediate parent node	N18
3	Node ID of this node (child)	N18
4	Inorganic or fossil-based content min value	N(null)7,4
5	Inorganic or fossil-based content max value	N(null)7,4
6	Bio-based content min value	N(null)7,4
7	Bio-based content max value	N(null)7,4
8	Contains recyclate	N(null)x -1= not yet answered null = not applicable
9	Content of primary inorganic or fossil-based material min value	N(null)7,4
10	Content of primary inorganic or fossil-based material max value	N(null)7,4
11	Content of recyclate min value	N(null)7,4
12	Content of recyclate max value	N(null)7,4
13	Content of mechanical recyclate min value	N(null)7,4
14	Content of mechanical recyclate max value	N(null)7,4
15	Mechanical pre-consumer recyclate content min value	N(null)7,4
16	Mechanical pre-consumer recyclate content max value	N(null)7,4
17	Mechanical post-consumer recyclate content min value	N(null)7,4
18	Mechanical post-consumer recyclate content max value	N(null)7,4
19	Content of chemical recyclate min value	N(null)7,4
20	Content of chemical recyclate max value	N(null)7,4
21	Chemical pre-consumer recyclate content min value	N(null)7,4
22	Chemical pre-consumer recyclate content max value	N(null)7,4
23	Chemical post-consumer recyclate content min value	N(null)7,4
24	Chemical post-consumer recyclate content max value	N(null)7,4

MATERIALCONTENTDETAIL		
No.	Name	Type
25	Is chemical pre-consumer recyclate mass-balanced	B(null)
26	Is chemical post-consumer recyclate mass-balanced	B(null)
27	ID of the chemical recycling certification	N(null)3
28	Content of primary bio-based material min value	N(null)7,4
29	Content of primary bio-based material max value	N(null)7,4
30	Secondary bio-based content min value	N(null)7,4
31	Secondary bio-based content max value	N(null)7,4
32	Is secondary bio-based content mass-balanced	B(null)
33	ID of the bio-based material certification	N(null)3

Table 11-2

MODIFIEDMATERIALCONTENTSUMMARIZED		
No.	Name	Type
1	“MMCS” (Record Identifier)	A3
2	Node ID of the top node	N18
3	Recipient Org-Unit ID	N9
4	Node ID of the immediate parent node	N18
5	Node ID of this node (child)	N18
6	Contains recyclate	N(null)x -1= not yet answered null = not applicable
7	Mechanical pre-consumer recyclate content – min value	N(null)7,4
8	Mechanical pre-consumer recyclate content – max value	N(null)7,4
9	Mechanical post-consumer recyclate content – min value	N(null)7,4
10	Mechanical post-consumer recyclate content – max value	N(null)7,4
11	Chemical pre-consumer recyclate content – min value	N(null)7,4
12	Chemical pre-consumer recyclate content – max value	N(null)7,4
13	Chemical post-consumer recyclate content – min value	N(null)7,4
14	Chemical post-consumer recyclate content – max value	N(null)7,4
15	Secondary bio-based content – min value	N(null)7,4
16	Secondary bio-based content – max value	N(null)7,4

Table 11-3

ORIGINALMATERIALCONTENTSUMMARIZED		
No.	Name	Type
1	“OMCS” (Record Identifier)	A3
2	Node ID of the top node	N18
3	Recipient Org-Unit ID	N9
4	Node ID of the immediate parent node	N18
5	Node ID of this node (child)	N18
6	Contains recyclate	N(null)x -1= not yet answered null = not applicable
7	Mechanical pre-consumer recyclate content – min value	N(null)7,4
8	Mechanical pre-consumer recyclate content – max value	N(null)7,4
9	Mechanical post-consumer recyclate content – min value	N(null)7,4
10	Mechanical post-consumer recyclate content – max value	N(null)7,4
11	Chemical pre-consumer recyclate content – min value	N(null)7,4
12	Chemical pre-consumer recyclate content – max value	N(null)7,4
13	Chemical post-consumer recyclate content – min value	N(null)7,4
14	Chemical post-consumer recyclate content – max value	N(null)7,4
15	Secondary bio-based content – min value	N(null)7,4
16	Secondary bio-based content – max value	N(null)7,4

Table 11-4

MODIFIEDMATERIALCONTENTDETAIL		
No.	Name	Type
1	“MMCD” (Record Identifier)	A3
2	Node ID of the top node	N18
3	Recipient Org-Unit ID	N9
4	Node ID of the immediate parent node	N18
5	Node ID of this node (child)	N18
6	Inorganic or fossil-based content min value	N(null)7,4
7	Inorganic or fossil-based content max value	N(null)7,4
8	Bio-based content min value	N(null)7,4
9	Bio-based content max value	N(null)7,4
10	Contains recyclate	N(null)x -1= not yet answered null = not applicable
11	Content of primary inorganic or fossil-based material min value	N(null)7,4
12	Content of primary inorganic or fossil-based material max value	N(null)7,4
13	Content of recyclate min value	N(null)7,4
14	Content of recyclate max value	N(null)7,4
15	Content of mechanical recyclate min value	N(null)7,4
16	Content of mechanical recyclate max value	N(null)7,4
17	Mechanical pre-consumer recyclate content min value	N(null)7,4
18	Mechanical pre-consumer recyclate content max value	N(null)7,4
19	Mechanical post-consumer recyclate content min value	N(null)7,4
20	Mechanical post-consumer recyclate content max value	N(null)7,4
21	Content of chemical recyclate min value	N(null)7,4
22	Content of chemical recyclate max value	N(null)7,4
23	Chemical pre-consumer recyclate content min value	N(null)7,4
24	Chemical pre-consumer recyclate content max value	N(null)7,4
25	Chemical post-consumer recyclate content min value	N(null)7,4
26	Chemical post-consumer recyclate content max value	N(null)7,4
27	Is chemical pre-consumer recyclate mass-balanced	B(null)
28	Is chemical post-consumer recyclate mass-balanced	B(null)
29	ID of the chemical recycling certification	N(null)3
30	Content of primary bio-based material min value	N(null)7,4
31	Content of primary bio-based material max value	N(null)7,4
32	Secondary bio-based content min value	N(null)7,4
33	Secondary bio-based content max value	N(null)7,4
34	Is secondary bio-based mass-balanced	B(null)
35	ID of the bio-based material certification	N(null)3

Table 11-5

ORIGINALMATERIALCONTENTDETAIL		
No.	Name	Type
1	“OMCD” (Record Identifier)	A3
2	Node ID of the top node	N18
3	Recipient Org-Unit ID	N9
4	Node ID of the immediate parent node	N18
5	Node ID of this node (child)	N18
6	Inorganic or fossil-based content min value	N(null)7,4
7	Inorganic or fossil-based content max value	N(null)7,4
8	Bio-based content min value	N(null)7,4
9	Bio-based content max value	N(null)7,4
10	Contains recyclate	N(null)x -1= not yet answered null = not applicable
11	Content of primary inorganic or fossil-based material min value	N(null)7,4

ORIGINALMATERIALCONTENTDETAIL		
No.	Name	Type
12	Content of primary inorganic or fossil-based material max value	N(null)7,4
13	Content of recyclate min value	N(null)7,4
14	Content of recyclate max value	N(null)7,4
15	Content of mechanical recyclate min value	N(null)7,4
16	Content of mechanical recyclate max value	N(null)7,4
17	Mechanical pre-consumer recyclate content min value	N(null)7,4
18	Mechanical pre-consumer recyclate content max value	N(null)7,4
19	Mechanical post-consumer recyclate content min value	N(null)7,4
20	Mechanical post-consumer recyclate content max value	N(null)7,4
21	Content of chemical recyclate min value	N(null)7,4
22	Content of chemical recyclate max value	N(null)7,4
23	Chemical pre-consumer recyclate content min value	N(null)7,4
24	Chemical pre-consumer recyclate content max value	N(null)7,4
25	Chemical post-consumer recyclate content min value	N(null)7,4
26	Chemical post-consumer recyclate content max value	N(null)7,4
27	Is chemical pre-consumer recyclate mass-balanced	B(null)
28	Is chemical post-consumer recyclate mass-balanced	B(null)
29	ID of the chemical recycling certification	N(null)3
30	Content of primary bio-based material min value	N(null)7,4
31	Content of primary bio-based material max value	N(null)7,4
32	Secondary bio-based content min value	N(null)7,4
33	Secondary bio-based content max value	N(null)7,4
34	Is secondary bio-based mass-balanced	B(null)
35	ID of the bio-based material certification	N(null)3

Table 11-6

12 Enhancement: Extend Drawing No to 50 characters

12.1 Changes in RECIPIENTSPEC

The "Drawing No" field in the recipient details is no longer limited to 20 characters.
It can hold up to 50 characters limit.

RECIPIENTSPEC		
No.	Name	Type
1	"R" (Record Identifier)	A1
2	Top-Level NodeID	N18
3	Org-Unit ID of where MDS was sent	N9
4	Product Name or Description	A250
5	Report No field	A20
6	Part number or Item number	A50
7	Purchase order number	A20
8	Bill of delivery number	A30
9	Information on why an MDS was rejected or any other communication to the supplier of the MDS	A10000
10	Last Change Date	DT
11	Supplier Code	A20
12	Drawing No.	A50
13	Drawing Dated	A20
14	Drawing Change Level	A30
15	Date of Report	DT
16	Date of recipient status change (usually when accepted or rejected)	DT
17	Time of recipient status change (usually when accepted or rejected)	TI
18	Recipient Status (N=not yet browsed, B=browsed, A=accepted, R=rejected, M=modified, C=cancelled by sender)	A1
19	Date of Transmission (when the MDS has been sent or proposed)	DT
20	Forwarding Allowed	N1 (-1=does not apply 0=No, 1=Yes)
21	Spare Part	N1 (0=No or Not yet answered, 1=Yes)

Table 12-1

12.2 Changes in REQUEST

The "Drawing No" field in the recipient details is no longer limited to 20 characters.
It can hold up to 50 characters limit.

REQUEST		
No.	Name	Type
1	"RQ" (Record Identifier)	A2
2	Request ID	N9
3	Information whether your own (= “OWN”) or received (= “REC”) request	A3 (OWN|REC)
4	Company ID or Org-Unit ID of MDS recipient (your own ID if own request)	N9
5	Company ID or Org-Unit ID of MDS supplier	N9
6	Type of MDS	A1 (C=component, S=semi-component, M=material)
7	Project name	A50
8	Deadline date	DT
9	Assigned MDS (“-1” if no MDS is assigned yet)	N18

REQUEST		
No.	Name	Type
10	Request status	A1 (N=new, S=sent, R=rejected, D=deleted, W=working, A=waiting for acceptance, C=completed)
11	Date of last request status change	DT
12	Part number or Item number (field from RECIPIENTSPEC)	A50
13	Product Name or Description (field from RECIPIENTSPEC)	A250
14	Drawing No. (field from RECIPIENTSPEC)	A50
15	Drawing dated (field from RECIPIENTSPEC)	A20
16	Drawing Change Level (field from RECIPIENTSPEC)	A20
17	Report No. (field from RECIPIENTSPEC)	A20
18	Date of Report (field from RECIPIENTSPEC)	DT
19	Purchase Order No. (field from RECIPIENTSPEC)	A20
20	Bill of Delivery No. (field from RECIPIENTSPEC)	A30
21	Supplier Code (field from RECIPIENTSPEC)	A20
22	Reject reason	A800
23	Contact Person ID	N(null)9
Sort order: Request ID		

Table 12-2

13 Enhancement: Make MDS ID/Version update not automatic

13.1 Changes in Upload

To allow the upload of “IMDS_ID” which refer to the node Ids to exclude when updating MDS, a new XML element “Exclude” to the XML element “Copy” which is part of “Change” element will be introduced.

The XML element will have the following new attribute:

Name		Purpose
IMDS_ID	Number	The Node Id to be excluded during MDS update.

Table 13-1

DTD representation of the changed “Copy” XML element:

```
<!ELEMENT Copy                                              (Exclude)*>
<!ATTLIST Copy     CopyMode   (Duplicate|NewVersion|Forward) #REQUIRED>
<!ELEMENT Exclude                                                EMPTY>
<!ATTLIST Exclude IMDS_ID                                  CDATA #REQUIRED>
```

Sample XML

```
<!DOCTYPE Task>
<Task>
  <Change IMDS_ID="2000295610">
    <Copy CopyMode="NewVersion">
      <Exclude IMDS_ID="2000295609"/>
      <Exclude IMDS_ID="2000295610"/>
    </Copy>
  </Change>
</Task>
```

14 Enhancement: Data Move

14.1 Overview of enhancement

When a received datasheet is transferred from the source company to the target company during an IMDS Company Split Off, its information is written to the DMV file of the original recipient and the MDS supplier. If the MDS is referenced by remaining data, a copy is created in the target company's inbox instead of moving the MDS from the source company to the target company.
Depending on how the import of this file is implemented in the companies' in-house systems, the following situations may occur.
The MDS may be removed from the inbox of the in-house system of the original recipient, even though it still exists in the IMDS. In addition, the supplier's in-house system may update the recipient to the target company, although it should only add the target company in addition to the existing recipient.
An additional indicator is added to the RC record of the DMV file with IMDS Release 15.0 to determine whether an MDS has been copied or moved.

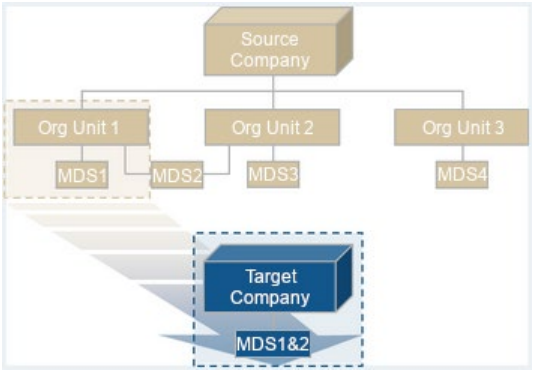
14.2 Changes in Download

DATA MOVE (RECEIVER CHANGE)		
No.	Name	Type
1	"RC" (Record Identifier)	A2
2	Node ID	N18
3	Original Company or Organization Unit ID[1]	N9
4	Company or Organization Unit ID[1]	N9
5	Data Move Date	DT
6	Copy Flag	N1 (0 = moved, 1 = copied)
Sort order: Node ID		

Table 14-1

Example:

Some data from the “Source Company” is to be transferred to the “Target Company” via Company Split Off. This includes the received datasheets “MDS1” and “MDS2”. As can be seen in the figure below, “MDS2” is referenced by remaining data, whereas the “MDS1” is not.



“MDS1” can be moved to the target company without any problems, but a copy of “MDS2” must be created and saved in the target company's inbox.
The new “Copy Flag” will be 0 for “MDS1” and 1 for “MDS2”.

Measures required for IMDS Connect customers:

The supplier of “MDS1” must update the in-house system in the sense that it was sent to the target company and not to the source company.
The supplier of “MDS2” must add the target company as a recipient.
The source company must remove “MDS1” from the inbox and keep “MDS2”.
The target company does not need to take any action as the complete information will be provided in the CMSDaily file the next day.

[1] In case of an Organization Unit ID the ID of the root company must be determined from the CC file

15 Enhancement: Rest as Range

In case at least one reference in an SMDS or MMDS is defined by its range, the rest (if existing) should also be displayed as a range.

15.1 Changes in Download

RELPERCENTAGE		
No.	Name	Type
1	"RP" (Record Identifier)	A2
2	Node ID of the immediate parent node	N18
3	Node ID of this node (child)	N18
4	Value (Type = Fix: Percentage of ingredient Type = Range (from-to): Weighted mean percentage of ingredient Type = Rest: Calculated percentage of ingredient Type = Rest (from-to): Weighted mean percentage of ingredient)	N12,9
5	From (Type = Range/Rest (from-to): Minimum percentage of ingredient, otherwise 0) [2]	N12,9
6	To (Type = Range/Rest (from-to): Maximum percentage of ingredient, otherwise 0)	N12,9
7	Type	N1 (0=Fix, 1=Range (from-to), 2=Rest (remaining portion))
8	Is Confidential (If referenced ingredient is a basic substance, whether its inclusion is confidential)	B
9	Sequence (Order under parent in the tree)	N4
10	Application ID ("-1" if the node has no application)	N9
11	Node ID of parent component ("-1" if Application ID is empty)	N18
12	Is process chemical (If referenced ingredient is a basic substance and classified as a process chemical to the material)	N1 (0=No value3, 1=Intended use, 2=Reaction residue, 3=Impurity)
13	Substance of high concern flag If one or more confidential substances belongs to multiple groups, the value will be the sum of the group values.	N1 (-1 = not applicable (non-confidential substances, materials, semi components) 0 = not on a relevant list, 1 = GADSL-D, 2 = GADSL-P, 4 = REACH SVHC combinations as sums)

[2] If at least one reference in an SMDS or MMDS is defined by its range, the rest (if existing) will also be exported as a range.
[3] This field will be 0 in following cases: no substance, no value provided, no process chemical substance, classified substance.

RELPERCENTAGE		
No.	Name	Type
14	Filler (If referenced substance is part of Filler (Dual Use) group and parent material classification is 5.1.a filled Thermoplastics, filler flag will hold 0 or 1)	"N1" (empty = not a substance or (referenced substance is not part of filler group and classification is 5.1.a) or (referenced substance is part of filler group and classification is not 5.1.a) 0 = referenced substance is not used as filler 1 = referenced substance is used as filler)

Table 15-1

GADSLSVHCSUBSTANCE		
No.	Name	Type
1	"GS" (Record Identifier)	A3
2	Node ID of Parent IMDS Material	N18
3	Node ID IMDS Substance	N18
4	Is latest version	B
5	Type	N1 (0=Fix, 1=Range (from-to), 2=Rest (remaining portion))
6	Value (Type = Fix: Percentage of ingredient Type = Range (from-to): Weighted mean percentage of ingredient Type = Rest: Calculated percentage of ingredient Type = Rest (from-to): Weighted mean percentage of ingredient)	N12,9
7	From (Type = Range/Rest (from-to): Minimum percentage of ingredient, otherwise 0)	N12,9
8	To (Type = Range/Rest (from-to): Maximum percentage of ingredient, otherwise 0)	N12,9
Sort order: Node ID of the material		

Table 15-2

GADSLSVHCSDISCLOSEDSUBSTANCE		
No.	Name	Type
1	"GSD" (Record Identifier)	A3
2	Node ID of Parent IMDS Material	N18
3	Node ID of IMDS Substance	N18
4	Type	N1 (0=Fix, 1=Range (from-to), 2=Rest (remaining portion))

GADSLSVHCSDISCLOSEDSUBSTANCE		
No.	Name	Type
5	Value (Type = Fix: Percentage of substance Type = Range (from-to): Weighted mean percentage of substance Type = Rest: Calculated percentage of substance Type = Rest (from-to): Weighted mean percentage of ingredient)	N12,9
6	From (Type = Range/Rest (from-to): Minimum percentage of substance, otherwise 0)	N12,9
7	To (Type = Range/Rest (from-to): Maximum percentage of substance, otherwise 0)	N12,9
8	Sequence (Order under parent in the tree)	N4
Sort order: Node ID of Parent IMDS Material, Sequence of the material		

Table 15-3

16 Make value of Dual-Use Filler flag empty instead of “-1”

16.1 Changes in Download

RELPERCENTAGE		
No.	Name	Type
1	"RP" (Record Identifier)	A2
2	Node ID of the immediate parent node	N18
3	Node ID of this node (child)	N18
4	Value (Type = Fix: Percentage of ingredient Type = Range (from-to): Weighted mean percentage of ingredient Type = Rest: Calculated percentage of ingredient Type = Rest (from-to): Weighted mean percentage of ingredient)	N12,9
5	From (Type = Range/Rest (from-to): Minimum percentage of ingredient, otherwise 0) [4]	N12,9
6	To (Type = Range/Rest (from-to): Maximum percentage of ingredient, otherwise 0)	N12,9
7	Type	N1 (0=Fix, 1=Range (from-to), 2=Rest (remaining portion))
8	Is Confidential (If referenced ingredient is a basic substance, whether its inclusion is confidential)	B
9	Sequence (Order under parent in the tree)	N4
10	Application ID ("-1" if the node has no application)	N9
11	Node ID of parent component ("-1" if Application ID is empty)	N18
12	Is process chemical (If referenced ingredient is a basic substance and classified as a process chemical to the material)	N1 (0=No value5, 1=Intended use, 2=Reaction residue, 3=Impurity)
13	Substance of high concern flag If one or more confidential substances belongs to multiple groups, the value will be the sum of the group values.	N1 (-1 = not applicable (non-confidential substances, materials, semi components) 0 = not on a relevant list, 1 = GADSL-D, 2 = GADSL-P, 4 = REACH SVHC combinations as sums)

[4] If at least one reference in an SMDS or MMDS is defined by its range, the rest (if existing) will also be exported as a range.
[5] This field will be 0 in following cases: no substance, no value provided, no process chemical substance, classified substance.

RELPERCENTAGE		
No.	Name	Type
14	Filler (If referenced substance is part of Filler (Dual Use) group and parent material classification is 5.1.a filled Thermoplastics, filler flag will hold 0 or 1)	"N1" (empty = not a substance or (referenced substance is not part of filler group and classification is 5.1.a) or (referenced substance is part of filler group and classification is not 5.1.a) 0 = referenced substance is not used as filler 1 = referenced substance is used as filler)

Table 16-1

16.2 Changes in Upload

The are no changes in upload for this enhancement.

17 Updated Definition for DGT Level

17.1 Changes in IMDS Connect upload

17.1.1 Changes to existing section “7.29.15 Attribute DGT level”

This attribute is valid only for the Mercedes-Benz AG [101] and Daimler Truck AG [205311]. A string of maximum three digits is expected for this attribute (e.g. ‘378’, ‘3’, ‘23’). In case fewer than 3 digits are provided leading zeros will be added. This attribute can be omitted.

17.2 Changes in IMDS Connect download

17.2.1 Enhancement: Keep leading zeros for DGT Level

Changes Existing in Section “5.3.4 MDS Specific”

RECIPIENTSUPPLEMENTARYANDDRAWING		
No.	Name	Type
1	“RDAIM” (Record Identifier)	A3
2	Top-Level Node ID	N18
3	Org-Unit ID of where MDS was sent	N9
4	Supplementary code 1	A4
5	Supplementary code 2	A4
6	Drawing geometry technical level	A3

Table 5-14

18 Enhancement: PCF Product Carbon Footprint

18.1 Changes in Download

18.1.1 Changes to existing section “5.4.10 Company / Contact”

CONTACT		
No.	Name	Type
1	"CT" (Record Identifier)	A2
2	Company ID	N9
3	Contact ID in the company’s contact list (starting at 1)	N4
4	Is Deleted	B
5	Contact Last name	A50
6	Contact First name	A50
7	Contact Phone number	A50
8	Contact Fax number	A50
9	Contact e-mail address	A80
10	Contact Department name	A50
11	Contact Mailbox	A20
12	Is IMDS Contact	B
13	Is REACH Contact	B
14	Is Default IMDS Contact	B
15	Is PCF Contact	B
16	Is Default PCF Contact	B
Sort order: Company ID, Contact ID		

Table 18-1

18.1.2 New Common File Type “PCF Countries and Regions”

This public file with the ID "PCFCR" contains all available Countries and Regions (with the relations between them) which are relevant for PCF production sites.

BNF Structure:

PCFCRSTRUCT	=	PCFCRHEADER PCFCRBODY
PCFCRHEADER	=	(INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = "PCFCOUNTRIESREGIONS" (Type: A19)
PCFCRBODY	=	*PCFCRENTRY

PCFCRENTRY		
No.	Name	Type
1	“PCFCR” (Record Identifier)	A5
2	Region ID	N3
3	Region Name	A100
4	Region Parent ID	N(null)3
5	Country ID	A2
6	Country Name	A100
Sort order (ASC): Region ID and Country ID		

Table 18-2

18.1.3 New Common File Type “PCF Standards”

This public file with the ID "PCFS" contains all available Standards which are relevant for PCF regulations.

BNF Structure:

PCFSSTRUCT	=	PCFSHEADER PCFSBODY
PCFSHEADER	=	(INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = "PCFSTANDARDS" (Type: A12)
PCFSBODY	=	*PCFSENTRY

PCFSTDENTRY		
No.	Name	Type
1	“PCFS” (Record Identifier)	A4
2	Standard ID	N3
3	Standard Name	A100
Sort order (ASC): Standard ID		

Table 18-3

18.1.4 New Company specific File Type “Transport CF”

This company specific file with the ID "TCF" contains the Transport CF data for company specific MDSs where the IMDS Connect company is either the recipient and the top node has been accepted, or it is the sender, and the recipient status is not "EditMode".

BNF Structure:

TCFSTRUCT	=	TCFHEADER TCFBODY
TCFHEADER	=	(DAILYFILEHEADER| INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = "TRANSPORTCF" (Type: A11)
TCFBODY	=	*TCFENTRY *TCFDENTRY

TCFENTRY		
No.	Name	Type
1	“TCF” (Record Identifier)	A3
2	Node ID	N18
3	Recipient Company ID	N9
4	Production Site ID	N9
5	Customer Site	A250
6	Recipient Location ID	N9
Sort order (ASC): Node ID, Recipient Company ID, Production Site ID, Customer Site		

Table 18-4

TCFDENTRY		
No.	Name	Type
1	“TCFD” (Record Identifier)	A4
2	Recipient Location ID	N9
3	Recipient Location Version	N3
4	Is Discontinued	B
5	Release Date	DT
6	Coverage	N1
7	Transport CF Excluding Biogenic	N(null)15,9
8	Transport CF Including Biogenic	N(null)15,9
9	Net Fossil GHG	N15,9
10	Net Bio GHG	N15,9
11	Net Bio GHG Including CO_2	N15,9

TCFDENTRY		
No.	Name	Type
12	GHG Emissions Land Use	N15,9
13	GHG Emissions Direct Land Use	N15,9
14	GHG Emissions Aircraft Transport	N15,9
Sort order (ASC): Recipient Location ID, Recipient Location Version		

Table 18-5

18.1.5 New Company specific File Type “PCF Production Sites”

This company specific file with the ID "PCF" contains:

- all new released versions for PCF production sites of own MDSs
- all versions for PCF production sites of recently published or accepted MDSs
- anonymized data for PCF production sites of nodes/references within recently published or accepted MDSs
- all versions for PCF production sites added as part of a new production site/customer site combinations for accepted MDSs
- anonymized data for PCF production sites added as part of a new production site/customer site combinations for nodes/references within recently published or accepted MDSs
- The “PCFA” record is used instead of PCF/PCFD record when the data is anonymized for PCF production sites of nodes/references within published or accepted MDSs

It is a company specific file and will be created daily (PCFDaily). Initial (PCFAll) and period files (PCFPeriod) must be requested by the customer.

BNF Structure:

PCFSTRUCT	=	PCFHEADER PCFBODY
PCFHEADER	=	(DAILYFILEHEADER| INITIALFILEHEADER| TIMEPERIODFILEHEADER) with Data File Identifier = "PCFPRODUCTIONSITES" (Type: A18)
PCFBODY	=	*PCFENTRY *PCFDENTRY *PCFAENTRY

PCFENTRY		
No.	Name	Type
1	“PCF” (Record Identifier)	A3
2	Node ID	N18
3	Production Site ID	N9
Sort order (ASC): Node ID, Production Site ID		

Table 18-6

PCFDENTRY		
No.	Name	Type
1	“PCFD” (Record Identifier)	A4
2	Production Site ID	N9
3	Production Site Version	N3
4	Release Date	DT
5	Is Discontinued	B
6	Contact Company ID	N9
7	Contact Person ID	N4
8	Region ID	N3
9	Country ID	A2
10	Subdivision	A2
11	Zip Code	A10
12	Duns No	A11
13	Standard ID	N3
14	Certification/Verification	N1

PCFDENTRY		
No.	Name	Type
15	Further Details	A4000
16	Total PCF Excluding Biogenic	N15,9
17	Total PCF Including Biogenic	N15,9
18	DQR Technology (TeR)	N4,3
19	DQR Time (TiR)	N4,3
20	DQR Geography (GeR)	N4,3
21	Primary Data Share (PDS)	N6,3
22	Exempted Emissions	N6,3
23	Exempted Emissions Description	A4000
24	Time Period Start	DT
25	Time Period End	DT
26	Net Fossil GHG	N15,9
27	Net Biogenic GHG	N15,9
28	Net Biogenic GHG Including CO_2	N15,9
29	GHG Emissions Land Use	N15,9
30	GHG Emissions Direct Land Use	N15,9
31	GHG Emissions Aircraft Transport	N15,9
32	Carbon Content	N15,9
33	Biogenic Carbon Content	N15,9
Sort order (ASC): Production Site ID, Production Site Version		

Table 18-7

PCFAENTRY		
No.	Name	Type
1	“PCFA” (Record Identifier)	A4
2	Node ID Parent	N(null)18
3	Node ID	N18
4	Production Site ID	N9
5	Release Date	DT
6	Is Discontinued	B
7	DQR Technology (TeR)	N4,3
8	DQR Time (TiR)	N4,3
9	DQR Geography (GeR)	N4,3
10	Primary Data Share (PDS)	N6,3
Sort order (ASC): Node ID Parent, Node ID		

Table 18-8

18.2 Changes in Upload

18.2.1 Element "Task"

To allow the upload of a product carbon footprint (PCF) information, a new XML element “ProductCarbonFootprint” will be added to the existing element “Task”.

DTD representation of the XML element:

```
<!ELEMENT Task
((Datasheet|Module|Request|Change|Regulation|RegulationUpdateRequest|ScipChange
|ProductCarbonFootprint)+)>
<!ATTLIST Task                          BreakOnError        (Yes|No) "No">
```

18.2.2 Element "ProductCarbonFootprint"

To allow the upload of product carbon footprint (PCF) and transport carbon footprint (TCF) information, a new XML element “ProductCarbonFootprint” will be introduced.

DTD representation of the new XML element:

```
<!ELEMENT ProductCarbonFootprint
  (ProductionSite|DiscontinueProductionSite|TransportCF|DiscontinueTCF)?
```

18.2.3 Element "ProductionSite"

To allow the upload of a new product carbon footprint (PCF) production site or a new version of a PCF production site, a new XML element “ProductionSite” will be introduced.
New product carbon footprint (PCF) production site or a new version of a PCF production site will be released if possible (no check errors).

The XML element will have the following attributes:

Name		Purpose
IMDS_ID	Number (18)	IMDS node ID for which the PCF production site should be created
LocalKeyRef	String	String to identify the node within the uploaded XML document for which the PCF production site should be created
ProductionSiteID	Number (9)	PCF production site id for which a new PCF production site version should be created
LocalSiteDef	String	Key to reference the created Production Site by subsequent TransportCF elements (see 18.2.12 Element "TransportCF”)
ContactId	Number (4)	The contact id of the PCF contact

Table 18-9

To identify the IMDS node for which the PCF production site should be created, either the IMDS node ID can be specified or the IMDS node created in the same XML document defined by LocalKeyDef can be referenced using the attribute LocalKeyRef.
To create a new version of a PCF production site, the attribute “ProductionSiteID” must be specified instead.
If the attribute “ProductionSiteID” is specified, the attributes “IMDS_ID” and “LocalKeyRef” are ignored.

DTD representation of the new XML element:

```
<!ELEMENT ProductionSite          (SiteLocation, StandardsVerifications,
                                   PCFInformation, PdsDqr,
                                   GreenhouseGasEmissions?, CarbonContent?)>
<!ATTLIST ProductionSite          IMDS_ID                    CDATA #IMPLIED
                                  LocalKeyRef                IDREF #IMPLIED
                                  ProductionSiteID           CDATA #IMPLIED
                                  LocalSiteDef               CDATA #IMPLIED
                                  ContactId                  CDATA #REQUIRED>
```

18.2.4 Element "DiscontinueProductionSite"

To allow the upload to discontinue a PCF production site, a new XML element "DiscontinueProductionSite" will be introduced.

The XML element will have the following attribute:

Name		Purpose
ProductionSiteID	Number (9)	PCF production site id of the PCF production site which should be discontinued

Table 18-10

DTD representation of the new XML element:

```
<!ELEMENT DiscontinueProductionSite                    EMPTY>
<!ATTLIST DiscontinueProductionSite ProductionSiteID   CDATA #REQUIRED>
```

18.2.5 Element "SiteLocation"

To allow the upload of production site information for PCF, a new XML element "SiteLocation" will be introduced.

The XML element will have the following attributes:

Name		Purpose
RegionID	Number (3) Default: "1" ("Global")	ID of a Region or Subregion (see 18.1.2 New Common File Type "PCF Countries and Regions") If RegionID="1" is selected the attributes CountryID, ZipCode, SubDivision and DUNSNo are ignored if specified.
CountryID	String (2)	ID of a Country (see 18.1.2 New Common File Type "PCF Countries and Regions") Can be omitted if RegionID= "1" ("Global") is selected. If CountryID is empty the attributes ZipCode, SubDivision and DUNSNo are ignored if specified.
ZipCode	String (10)	Zip Code of the production site Can be omitted if RegionID= "1" ("Global") is selected or CountryID is empty.
SubDivision	String (2)	Subdivision Can be omitted if RegionID= "1" ("Global") is selected or CountryID is empty.
DUNSNo	String (11)	DUNS number of business location Can be omitted if RegionID= "1" ("Global") is selected or CountryID is empty.

Table 18-11

DTD representation of the new XML element:

```
<!ELEMENT SiteLocation                                 EMPTY>
<!ATTLIST SiteLocation                  RegionID       CDATA "1"
                                        CountryID      CDATA #IMPLIED
                                        ZipCode        CDATA #IMPLIED
                                        SubDivision    CDATA #IMPLIED
                                        DUNSNo         CDATA #IMPLIED>
```

18.2.6 Element "StandardsVerifications"

To allow the upload of information of standards and verifications for PCF, a new XML element "StandardsVerifications" will be introduced.

The XML element will have the following attributes:

Name		Purpose
StandardID	Number (3)	The id of the standard
Certification	String ("No" | "ProgramCertification" | "ProductFamilyVerification" | "PartNumberVerification")	- No - ProgramCertification – Yes, PCF program certification (3rd party) + any level of verification - ProductFamilyVerification - Yes, product family verification - PartNumberVerification - Yes, part number specific verification
Details	String (4000)	Further details / link

Table 18-12

DTD representation of the new XML element:

```
<!ELEMENT StandardsVerifications                              EMPTY>
<!ATTLIST StandardsVerifications     StandardID               CDATA #REQUIRED
                                     Certification(
                                         No|
                                         ProgramCertification|
                                         ProductFamilyVerification|
                                         PartNumberVerification
                                     ) #IMPLIED
                                     Details                  CDATA #IMPLIED>
```

18.2.7 Element "PCFInformation"

To allow the upload of product carbon footprint information, a new XML element "PCFInformation" will be introduced.

The XML element will have the following attributes:

Name		Purpose
PcfExcludingBiogenic	Number (15,9)	PCF excluding biogenic CO_2
PcfIncludingBiogenic	Number (15,9)	PCF including biogenic CO_2
TimePeriodStart	Date Format: "MM/DD/YYYY" or "DD.MM.YYYY"	Time periods start date
TimePeriodEnd	Date Format: "MM/DD/YYYY" or "DD.MM.YYYY"	Time period end date
ExemptedEmissions	Number (6,3)	Exempted emissions
ExemptedEmissionsDesc	String (4000)	Optional comment to explain the exempted emissions

Table 18-13

DTD representation of the new XML element:

```
<!ELEMENT PCFInformation                                      EMPTY>
<!ATTLIST PCFInformation          PcfExcludingBiogenic        CDATA #REQUIRED
                                  PcfIncludingBiogenic        CDATA #REQUIRED
                                  TimePeriodStart             CDATA #REQUIRED
                                  TimePeriodEnd               CDATA #REQUIRED
```

```
                                    ExemptedEmissions           CDATA #REQUIRED
                                    ExemptedEmissionsDesc       CDATA #IMPLIED>
```

18.2.8 Element "PdsDqr"

To allow the upload of primary data share (PDS) and data quality ratings (DQR), a new XML element "PdsDqr" will be introduced.

The XML element will have the following attributes:

Name		Purpose
PrimaryDataShare	Number (6,3)	Primary data share (PDS) in percent

Table 18-14

DTD representation of the new XML element:

```
<!ELEMENT PdsDqr                    (DataQualityRatings)>
<!ATTLIST PdsDqr                    PrimaryDataShare            CDATA #REQUIRED>
```

18.2.9 Element "DataQualityRatings"

To allow the upload of data quality ratings (DQR), a new XML element "DataQualityRatings" will be introduced.

The XML element will have the following attributes:

Name		Purpose
Technology	Number (4,3)	Technological representativeness (value from 1 – 5)
Time	Number (4,3)	Temporal representativeness (value from 1 – 5)
Geography	Number (4,3)	Geographical representativeness (value from 1 – 5)

Table 18-15

DTD representation of the new XML element:

```
<!ELEMENT DataQualityRatings                                    EMPTY>
<!ATTLIST DataQualityRatings    Technology                      CDATA #REQUIRED
                                Time                            CDATA #REQUIRED
                                Geography                       CDATA #REQUIRED>
```

18.2.10 Element "GreenhouseGasEmissions"

To allow the upload of greenhouse gas emissions, a new XML element "GreenhouseGasEmissions" will be introduced.

The XML element will have the following attributes:

Name		Purpose
NetFossil	Number (15,9)	Net fossil GHG emissions
NetBiogenic	Number (15,9)	Net biogenic GHG emissions
NetBiogenicInclCO2	Number (15,9)	Net biogenic GHG emissions and removals including biogenic CO_2
LandUse	Number (15,9)	GHG emissions and removals from land use
DirectLandUse	Number (15,9)	GHG emissions and removals from direct land use
AircraftTransport	Number (15,9)	GHG emissions resulting from aircraft transportation

Table 18-16

DTD representation of the new XML element:

```
<!ELEMENT GreenhouseGasEmissions                                EMPTY>
<!ATTLIST GreenhouseGasEmissions   NetFossil                    CDATA #REQUIRED
                                   NetBiogenic                  CDATA #REQUIRED
                                   NetBiogenicInclCO2           CDATA #REQUIRED
                                   LandUse                      CDATA #REQUIRED
                                   DirectLandUse                CDATA #REQUIRED
                                   AircraftTransport            CDATA #REQUIRED>
```

18.2.11 Element "CarbonContent"

To allow the upload of biogenic carbon content and total carbon content, a new XML element “CarbonContent” will be introduced.

The XML element will have the following attributes:

Name		Purpose
Total	Number (15,9)	Total carbon content
Biogenic	Number (15,9)	Biogenic carbon content

Table 18-17

DTD representation of the new XML element:

```
<!ELEMENT CarbonContent                                 EMPTY>
<!ATTLIST CarbonContent        Total                    CDATA #IMPLIED
                               Biogenic                 CDATA #IMPLIED>
```

18.2.12 Element "TransportCF”

To allow the upload of new transport carbon footprint (TCF) information or a new version of TCF information, a new XML element “TransportCF” will be introduced.

The XML element will have the following attributes:

Name		Purpose
IMDS_ID	Number (18)	IMDS node id for which the PCF production site should be created
LocalKeyRef	String	String to identify the node within the uploaded XML document for which the PCF production site should be created
ProductionSiteID	Number (9)	PCF production site id for which a new PCF production site version should be created
LocalSiteRef	String	String to identify the PCF production site within the uploaded XML document for which the TransportCF should be created. (see 18.2.3 Element "ProductionSite")
CustomerSite	String (250)	
Coverage	String (Customer | Supplier | Split) Default: “Customer”	- Customer – (Customer responsibility supplier outbound gate no transport covered) - Supplier - Supplier responsibility supplier customer inbound gate full transport covered - Split - Split responsibility (transport only partially covered, to be further aligned B2B) If Coverage="Customer" is selected the attributes TcfExcludingBiogenic and TcfIncludingBiogenic are ignored if specified.

TcfExcludingBiogenic	Number (15,9)	Transport Carbon Footprint excluding biogenic CO_2 Can be omitted if Coverage="Customer" is selected.
TcfIncludingBiogenic	Number (15,9)	Transport Carbon Footprint including biogenic CO_2 Can be omitted if Coverage="Customer" is selected.

Table 18-18

DTD representation of the new XML element:

```
<!ELEMENT TransportCF          (GreenhouseGasEmissions?)>
<!ATTLIST TransportCF          IMDS_ID                          CDATA #IMPLIED
                               LocalKeyRef                      IDREF #IMPLIED
                               RecipientCompanyID               CDATA #REQUIRED
                               ProductionSiteID                 CDATA #IMPLIED
                               LocalSiteRef                     CDATA #IMPLIED
                               CustomerSite                     CDATA #IMPLIED
                               Coverage    (Customer|Supplier|Split) "Customer"
                               TcfExcludingBiogenic             CDATA #IMPLIED
                               TcfIncludingBiogenic             CDATA #IMPLIED>
```

18.2.13 Element "DiscontinueTCF"

To allow the upload to discontinue TCF information, a new XML element “DiscontinueTCF” will be introduced.

The XML element will have the following attribute:

Name		Purpose
RecipientLocationID	Number (9)	The recipient location ID referencing the combination of a production site and customer site for a specific recipient of an MDS

Table 18-19

DTD representation of the new XML element:

```
<!ELEMENT DiscontinueTCF                                    EMPTY>
<!ATTLIST DiscontinueTCF RecipientLocationID                CDATA #REQUIRED>
```

18.2.14 Sample XML

Sample XML Upload File to add PCF information:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<Task>
  <!-- Sample XML to add PCF production site -->
  <ProductCarbonFootprint>
    <ProductionSite IMDS_ID="2541641948498" ContactID="23"
                    LocalSiteDef="ExampleSite">
      <SiteLocation RegionID="17" CountryID="SE"
                    ZipCode="100 73" DUNSNo=""/>
      <StandardsVerifications StandardID="1"
                        Certification="ProductFamilyVerification"
                          Details="Catena-X certification body"/>
      <PCFInformation PcfExcludingBiogenic="6.3"
```

```
                      PcfIncludingBiogenic="0.8"
                      TimePeriodStart="01.01.2025"
                      TimePeriodEnd="12/31/2025"
                      ExemptedEmissions="25.777"
                      ExemptedEmissionsDesc="Example Desc"/>
      <PdsDqr PrimaryDataShare ="22.65">
        <DataQualityRatings Technology="1.43"
                            Time="2.76"
                            Geography="3.02"/>
      </PdsDqr>
      <GreenhouseGasEmissions NetFossil="123456.987654321"
                              NetBiogenic="12.66"
                              NetBiogenicInclCO2="37.92"
                              LandUse="17.1"
                              DirectLandUse="53"
                              AircraftTransport="0.01"/>
      <CarbonContent Total="97.3" Biogenic="2936.66"/>
    </ProductionSite>
  </ProductCarbonFootprint>

  <!-- Sample XML to discontinue PCF production site -->
  <ProductCarbonFootprint>
    <DiscontinueProductionSite ProductionSiteID ="111254788"/>
  </ProductCarbonFootprint>

  <!-- Sample XML to add TCF -->
  <ProductCarbonFootprint>
    <TransportCF   IMDS_ID="2541641948498"
                   RecipientCompanyID="0"
                   LocalSiteRef="ExampleSite"
                   CustomerSite="My Customer Site"
                   Coverage="Split"
                   TcfExcludingBiogenic="3.5"
                   TcfIncludingBiogenic="2.4">
      <GreenhouseGasEmissions NetFossil="987654.123456321"
                              NetBiogenic="1.76"
                              NetBiogenicInclCO2="7.88"
                              LandUse="13.1"
                              DirectLandUse="44"
                              AircraftTransport="77.01"/>
    </TransportCF>
  </ProductCarbonFootprint>

  <!-- Sample XML to discontinue TCF -->
  <ProductCarbonFootprint>
    <DiscontinueTCF RecipientLocationID="4788"/>
  </ProductCarbonFootprint>
</Task>
```

19 Enhancement: Add create/check/release date to COMPONENT(C), SEMICOMPONENT(H) and MATERIAL(M) records

19.1 Changes in Download

19.1.1 Changes to existing section “5.4.3 MDS Public”

Three new fields (Create Date, Release Date, Check Date) are added to the COMPONENT, SEMICOMPONENT and MATERIAL records.

COMPONENT		
No.	Name	Type
1	"C" (Record Identifier)	A1
2	Node ID (not Module ID!!!)	N18
3	Description	A250
4	Tolerance (attribute not used anymore since IMDS Release 10)	N6,3
5[6]	Measured Weight in grams	N18,6
6[4]	Calculated Weight in grams	N18,6
(7)	(Weight Unit for measured and calculated weight [mg, g or kg])[7]	A2
8	Part/Item No.	A50
9	Polymeric Parts Marking (according to ISO 1043 and ISO 11469)	N1 (-1=unselected, 0=No, 1=Yes, 2=Not Applicable)
10	Is Preliminary	B
11	Is multi source	N1 (0=No, 1=Yes)
12	Production in European Union	N1 (0=no value, 1=EU Produced, 2=EU Imported, 3=EU Produced and Imported, 4=No Data)
13	SCIP Number	A36
14	SCIP Submission Number	A12
15	Is automatic SCIP number (indicator if the SCIP number was automatically generated)	N1 (0=No, 1=Yes)
16	Create Date	DT
17	Release Date	DT
18	Check Date	DT

Table 19-1

[6] Weight can also be in mg or kg if the license type is a subtype of “Complete DD”, Type is N18,9 in that case
[7] This field and the preceding separator are optional and will only appear if the license type is a subtype of “Complete DD”.

SEMICOMPONENT		
No.	Name	Type
1	"H" (Record Identifier)	A1
2	Node ID	N18
3	Article Name	A250
4	Item No.	A50
5	Specific Weight	N12,6
6	Specific Weight Type	N1 (0=no value, 1=kg/m, 2=kg/m^{2,} 3=kg/m^{3})
7	Is Preliminary	B
8	Create Date	DT
9	Release Date	DT
10	Check Date	DT

Table 19-2

MATERIAL		
No.	Name	Type
1	"M" (Record Identifier)	A1
2	Node ID	N18
3	Supplier	A2000
4	Material Classification Code[8]	A12
5	Supplier Material-No.	A50
6	Chemical Symbol	A100
7	Standard Material Number	A50
8	Is Preliminary	B
9	Create Date	DT
10	Release Date	DT
11	Check Date	DT

Table 19-3

[8] See chapter 5.3.18 Material Classifications for details on the field "Material Classification Code".

20 Write released MDSs to CBS (="cancelled by sender") file

20.1 Change in Download

20.1.1 Changes to existing section “5.4.18 MDS cancelled by Sender

The file with the ID "CBS" contains only received MDSs with status “C” (cancelled by sender) and “M” (modified), which are still editable or internally released. An MDS is editable when it has been sent in handshake mode, has not yet been accepted and was then modified or cancelled by sender. MDSs with such a constellation do usually not appear in a CMS file. The reason for this exclusion is that the creator can edit such an MDS which might lead to inconsistent data (removed contact person, changed tree structure etc.).This file type shall prevent status inconsistencies between IMDS and in-house systems.

21 List of new Upload Errors

Error Code	Error Message	Explanation
96	Attribute DGTLevel has to be composed of at most three digits	For the attribute DGTLevel a three-digit string is expected.
1041	Invalid value of attribute 'Drawing Date' for company '<company id>'	
1042	Tag 'MccpMatSubst' not found under 'MccpMat'	Tag 'MccpMatSubst' not found under 'MccpMat' MccpMat tag do not have any Mccp substances)
1043	Unexpected value for attribute 'PortionCode': <PortionCode>, IMDS_ID=<IMDS_ID>.	The String <PortionCode> specified as PortionCode is empty or invalid for IMDS node id <IMDS_ID>.
1044	Hazard Statement Cannot be assigned with Not Classified Option	Hazard Statement Cannot be assigned with Not Classified Option
1045	The None option does not allow other Substance Contains Portion Codes, IMDS_ID= <IMDS_ID>.	If 'none' is selected as PortionCode, no other Portion Codes is allowed for IMDS node id <IMDS_ID>.
1046	Tag 'TnppMatSubst' not found under 'TnppMat'	Tag 'TnppMatSubst' not found under 'TnppMat'
1047	Unexpected value for attribute 'Contains4nonylphenols.value': <value>, IMDS_ID=<IMDS_ID>.	The String <value> specified as Contains4nonylphenols.value is empty or invalid for IMDS node id <IMDS_ID>.
1048	Invalid country <country> for region <region>.	The combination of country <country> and region <region> is not valid.
1049	Contact person with ID <contact id>' is not a PCF contact.	Contact person with ID <contact id>' is not an active PCF contact.
1050	Invalid value for attribute '<attribute-name>': '<description>'	The value for the XML attribute with name <attribute-name> is not valid. <description> explains the reason.
1051	PCF production site not found.	PCF production site not found.
1052	The latest version of the production site is not released.	The latest version of the production site is not released.
1053	Production site is already discontinued.	Production site is already discontinued.
1054	Production site already exists.	Production site already exists.
1055	The combination of production site and customer site is already used.	The combination of production site and customer site is already used.
1056	Region can only be changed from a parent region to a child region, but not vice versa.	Region can only be changed from a parent region to a child region, but not vice versa.
1057	<attribute> is different than previous version. It cannot be changed, only added.	<attribute> (Country, SubDivision or ZipCode) is different than previous version. It cannot be changed, only added.
1058	Invalid "DUNSNo". Please use DUNS-Code in the official format 99-999-9999 (9-digit positive value including a dash after the second and the fifth number).	Invalid "DUNSNo". Please use DUNS-Code in the official format 99-999-9999 (9-digit positive value including a dash after the second and the fifth number).
1059	PCF Transport CF already exists	PCF Transport CF already exists
1060	PCF Transport CF is already discontinued	PCF Transport CF is already discontinued
1061	Company with ID '<company-id>' is not a recipient of this MDS.	The specified company is not a recipient of this MDS

Table 21-1

22 List of new Upload Warnings

Warning Code	Warning Message	Explanation
8	MDS with Id "<XML-Attribute IMDS_ID>" does not exist in the tree	The value of <XML-Attribute IMDS_ID> was ignored while excluding this MDS when copying as NewVersion as this ID doesn't exist in the tree.
9	{0}: {1} more than {2} years in the past.	
10	Start date {0} and end date {1} of time period are more than {2} months apart.	
11	Total PCF (including biogenic): {0} kg CO2e smaller than sum of referenced PCF {1} kg CO2e.	
12	Total PCF (including biogenic): {0} kg CO2e smaller than the smallest alternative PCF {1} kg CO2e.	

Table 22-1

23 Glossary

The following terms or acronyms are referenced within this document, or appear in supporting documents:

Term/Acronym	Definition
none	

24 Modification Log

Revision	Date	Description of Modification
1.0	11/16/2023	• Initial version to be published
1.1	11/21/2023	• Adding changes related to Upload MCCP Regulation Info • Adding changes related to MCCP Download files
1.2	06/28/2024	• Corrected type for question “Contains recyclate” in chapter 11.1
1.3	09/07/2024	• Adding changes related to TNPP Download files • Adding changes related to Upload TNPP Regulation Info
1.4	09/07/2024	• Adding changes to Extend DRAWING_NO to 50 characters
1.5	08/08/2024	• Added chapter 3 Version of Specification • Added chapter 1515 Enhancement: Rest as Range
1.6	08/20/2024	• Added chapter 1717 Updated Definition for DGT Level
1.7	08/28/2024	• Reworked chapter 1414 Enhancement: Data Move
1.8	01/15/2025	• Changed the representation of the empty regulation version column in Table 6-3, chapter 6.1 • Added chapter 16 Make value of Dual-Use Filler flag empty instead of “-1” • Added chapter 1818 Enhancement: PCF Product Carbon Footprint • Added chapter 1919 Enhancement: Add create/check/release date to COMPONENT(C), SEMICOMPONENT(H) and MATERIAL(M) records • Added chapter 2020 Write released MDSs to CBS (="cancelled by sender") file • Added explanation to chapter 11 Enhancement: Avoid non-applicable fields in IMDS Connect download
1.8.1	01/15/2025	• Chapter 6.2.2 removed Table 5-9 • Chapter 7.2.2 removed Table 6-6 • Chapter 18.1.2 changed type of 'Region Parent ID' in record 'PCFCRENTRY' from N3 to N3(null) • Chapter 18.1.5 changed type of 'Node ID Parent' in record 'PCFAENTRY' from N18 to N18(null) • Chapter 18.2.3 renamed all occurrences of attribute name 'ProductionSiteDef' / 'ProductionSiteRef' with 'LocalKeyDef' / 'LocalKeyRef' and changed Element name 'DataQualityRatings' to 'PdsDqr' in DTD representation of element 'ProductionSite' • Corrected numbering of tables
1.8.2	02/05/2025	• Added chapter 5 Changes in Relation to Regulation Files • Updated number format of regulation versions from N4 to N(null)4 • “IMDS-AI” and variations replaced by “IMDS Connect” • Renamed document • Lists of Upload Errors/Warnings updated
1.8.3	02/13/2025	• Added chapter 17.2 Changes in IMDS Connect download • Added chapter 8 Dynamic SVHC Flagging (formerly under chapter 6 Enhancement: MCCP Regulation Type)

Revision	Date	Description of Modification
1.8.4	03/04/2025	• Chapter 18.1.5 New Company specific File Type “PCF Production Sites” Table 18-8 field #4 “Production Site ID” inserted • Chapter 18.1.2 New Common File Type “PCF Countries and Regions” Table 18-2 Chapter 18.1.5 New Company specific File Type “PCF Production Sites” Table 18-7 Type of Country ID changed from A5 to A2 • 21 List of new Upload Errors Error 1061 added
1.8.5	03/05/2025	• Corrected the data type for CountryID in chapter 18.2.5 Element "SiteLocation"
1.8.6	03/20/2025	• Corrected the data type for “Coverage”, "Transport CF Excluding Biogenic" and "Transport CF Including Biogenic" in TCFDENTRY table in chapter 18.1.4 New Company specific File Type “Transport CF”