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1. Nonwarranty and conditions of use

No liability whatsoever will be accepted for the eCI@ss standard, its numbering system, keywords or property lists. This particularly applies to the use and any damage that may result from this. The classification in no way claims to be complete, particularly as it is subject to a continuous updating process due to the industry's innovation processes. eCI@ss is being published on the eCI@ss DownloadPortal. The use of eCI@ss is only permitted in acceptance of the eCI@ss Terms of Use. These can be found at <http://www.eclassdownload.com/catalog/conditions.php?language=en>.

2. General information about eCI@ss

Using a „common language“, which is understandable for both man and machine, is mandatory for a successful electronic and automated communication.

With eCI@ss a common language available: a global, cross-industry standard for classification and unambiguous description of products and services, which is conform to international and national standards. By using eCI@ss within the entire supply chain – from development to disposal - internal business processes as well as data exchange with business partners are optimized in a much more efficient way.

eCI@ss is developed by the association eCI@ss e.V., a non-profit organization, which is supported by ordinary and sponsoring members from companies, associations and institutions. Their common goal is to enhance eCI@ss in accordance with current and future market requirements as well as to promote its international use. Members of the eCI@ss association come from international companies from different industries (e.g. automotive, chemical and electrical engineering, utilities, service and trade).

You can find up-to-date information on <http://www.eclass.eu>.

3. Description of the files

The ZIP-file contains all relevant files for the structure of classes, properties and values.

The files' new names are listed below, the file structure is described in 3.1ff:

| | | |
|---|---|--|
| eClass8_1_CC_en.csv | = | Table of Classification Classes |
| eClass8_1_KWSY_en.csv | = | Table of Keywords and Synonyms (KW keyword, SY synonym) |
| eClass8_1_PR_en.csv | = | Table of Properties |
| eClass8_1_VA_en.csv | = | Table of Values |
| eClass8_1_UN_en.csv | = | Einheitentabelle (Unit, UN) |
| eClass8_1_CC_PR_en.csv | = | Relations Classes-Properties |
| eClass8_1_PR_VA_en.csv | = | Restricted Value Lists, Relations Properties-Values |
| eClass8_1_CC_PR_VA_suggested_incl_constraint_en.csv | = | Suggested Value Lists, Relations Classes-Properties-Values |

Content of the data sets:

eCI@ss Release 8.1 BASIC 01 - English

Format of data sets:

CSV, data sets separated by semicolon (1st line = field titles), Codepage: UTF-8

A mask is not necessary. The semicolon is exclusively used as a separator and not in the data fields themselves.

3.1 Classification structure

3.1.1 eClass8_1_CC_en.csv (Class table)

| No. | Attribute Name | Description | Length |
|-----|-----------------|---|------------|
| 1 | Supplier** | International Code Designator (0173-1 for eCI@ss) | CHAR(6) |
| 2 | IdCC** | Identifier + VersionNumber | CHAR(9) |
| 3 | Identifier** | Identifier (unique within the structure element type: class) | CHAR(6) |
| 4 | VersionNumber** | Version number | CHAR(3) |
| 5 | VersionDate | Publication date of version | CHAR(10) |
| 6 | RevisionNumber | Revision number | CHAR(2) |
| 7 | CodedName | eCI@ss class code | CHAR(8) |
| 8 | PreferredName | Name | CHAR(80) |
| 9 | Definition | Definition | CHAR(1023) |
| 10 | ISOLanguageCode | Language code according to ISO 639-1 / ISO 639-2, e.g. „en“ | CHAR(2) |
| 11 | ISOCountryCode | Country code according to ISO 3166-1 / ISO 3166-2, e.g. „US“ | CHAR(2) |
| 12 | Note | Note on definition | CHAR(1023) |
| 13 | Remark | Remark on usage of the class | CHAR(1023) |
| 14 | Level | Hierarchichal level in class tree | CHAR(1) |
| 15 | MKSubclass | Flag subgroup (0=no/1=yes) | CHAR(1) |
| 16 | MKKeyword | Flag, if keywords exist for class (0=no/1=yes) | CHAR(1) |
| 17 | MKBSA | Flag standard set of properties (2= Standard set of properties (SSP))* | CHAR(1) |
| 18 | IrdiCC | Primary key of the class; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |

* eCI@ss differentiates between standard sets of properties (SSP) and basic sets of properties (BSP). SSP are individually developed for specific classes. The BSP (one for each segment) is automatically assigned to every single eCI@ss class, i.e. each eCI@ss class has at least the BSP. The segments' BSPs are listed in 3.3. The entries in the field "mkbsa" have the following meaning:

- No entry = The property contains only the basic set of properties (BSP), see 3.3
- 2 = The property contains a standard set of properties, i.e. the BSP plus specific properties for the product class

3.1.2 eClass8_1_KWSY_en.csv (Keyword table)

| No. | Attribute Name | Description | Length |
|-----|-------------------------------|---|-----------|
| 1 | SupplierKW/SupplierSY** | International Code Designator of the keyword/synonym | CHAR(6) |
| 2 | Identifier** | Identifier (unique within the structure element type: keyword/synonym) | CHAR(6) |
| 3 | VersionNumber** | Version number | CHAR(3) |
| 4 | IdCC/IdPR** | Primary key of the related class/property | CHAR(9) |
| 5 | KeywordValue/ SynonymValue | Name of keyword/synonym | CHAR(80) |
| 6 | Explanation | Description of keyword/synonym | CHAR(255) |
| 7 | ISOLanguageCode | Language code according to ISO 639-1 / ISO 639-2, e.g. „en“ | CHAR(2) |
| 8 | ISOCountryCode | Country code according to ISO 3166-1 / ISO 3166-2, e.g. „US“ | CHAR(2) |
| 9 | TypeOfTargetSE | Identifier of target element type (CC=class, PR=property) | CHAR(2) |
| 10 | IrdiTarget | Primary key of target; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 11 | IrdiKW/IrdiSY | Primary key of the keyword/synonym; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 12 | TypeOfSE | Identifier of structure element type (KW=keyword, SY=synonym). Note: keywords can only be assigned to classes, synonyms can only be assigned to properties (see TypeOfTargetSE) | CHAR(2) |

3.1.3 eClass8_1_CC_PR_en.csv (relations eClass8_1_CC_en / eClass8_1_PR_en)

| No. | Attribute Name | Description | Length |
|-----|----------------|---|----------|
| 1 | SupplierIdCC* | International Code Designator of the class (0173-1 für eCI@ss) | CHAR(6) |
| 2 | IdCC** | Identifier+VersionNumber of the target class | CHAR(9) |
| 3 | ClassCodedName | eCI@ss class code of the target class | CHAR(8) |
| 4 | SupplierIdPR** | International Code Designator of the property (0173-1 for eCI@ss) | CHAR(6) |
| 5 | IdPR** | Identifier+VersionNumber of the assigned property | CHAR(9) |
| 6 | IrdiCC | Primary key of the target; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 7 | IrdiPR | Primary key of the assigned property; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |

3.1.4 eClass8_1_PR_en.csv (Property table)

| No. | Attribute Name | Description | Length |
|-----|--------------------|--|------------|
| 1 | Supplier** | International Code Designator of the property (0173-1 for eCI@ss) | CHAR(6) |
| 2 | IdPR** | Identifier + VersionNumber | CHAR(9) |
| 3 | Identifier** | Identifier (unique within the structure element type: property) | CHAR(6) |
| 4 | VersionNumber** | Version number | CHAR(3) |
| 5 | VersionDate | Publication date of version | CHAR(10) |
| 6 | RevisionNumber | Revision number | CHAR(2) |
| 7 | PreferredName | Name | CHAR(80) |
| 8 | ShortName | Short name | CHAR(17) |
| 9 | Definition | Definition | CHAR(1023) |
| 10 | SourceOfDefinition | Source of the definition | CHAR(1023) |
| 11 | Note | Note on definition | CHAR(1023) |
| 12 | Remark | Remark on usage of the property | CHAR(1023) |
| 13 | FormularSymbol | Preferred formular symbol | CHAR(17) |
| 14 | IrdiUN | Primary key of the assigned unit; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(3) |
| 15 | ISOLanguageCode | Language code according to ISO 639-1 / ISO 639-2, e.g. „en“ | CHAR(2) |
| 16 | ISOCountryCode | Country code according to ISO 3166-1 / ISO 3166-2, e.g. “US” | CHAR(2) |
| 17 | Category | Type class of property according to IEC 61360 | CHAR(3) |
| 18 | AttributeType | Flag for existing value list (direct= free entry, no value list existing; indirect= chose from a defined value list) | CHAR(8) |
| 19 | Reference | Source of definition (outdated) | CHAR(1023) |
| 20 | DefinitionClass | ICS class | CHAR(255) |
| 21 | DataType | Data type of the property (STRING STRING_TRANSLATABLE REAL_MEASURE REAL_COUNT REAL_CURRENCY INTEGER_MEASURE INTEGER_COUNT INTEGER_CURRENCY BOOLEAN URL RATIONAL RATIONAL_MEASURE TIME TIMESTAMP DATE), see 3.1.8 | CHAR(19) |
| 22 | DigitsBeforeComma | Number of digits before comma (REAL_COUNT / REAL_MEASURE / REAL_CURRENCY / INTEGER_COUNT / INTEGER_MEASURE / INTEGER_CURRENCY) | INTEGER |
| 23 | DigitsAfterComma | Number of digits after comma (Real_COUNT / REAL_MEASURE / REAL_CURRENCY) | INTEGER |
| 24 | NumberOfCharacters | For properties of data types STRING / STRING_TRANSLATEABLE/ URL / RATIONAL / RATIONAL_MEASURE / TIME / TIMESTAMP / DATE it specifies the maximum character length of the value. For properties of data types URL / RATIONAL / RATIONAL_MEASURE / TIME / TIMESTAMP / DATE special characters can be included (e.g. http, //, :, / etc.) | INTEGER |
| 25 | IrdiPR | Primary key of the property; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 26 | CurrencyAlphaCode | Specifies the property's currency (INTEGER_CURRENCY, REAL_CURRENCY) according to ISO 4217, e.g. EUR, USD | CHAR(3) |

3.1.5 eClass8_1_PR_VA_restricted_en.csv (Relations eClass8_1_PR_en / eClass8_1_VA_en)

| No. | Attribute Name | Description | Length |
|-----|----------------|---|----------|
| 1 | IrdiPR | Primary key of the target property; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 2 | IrdiVA | Primary key of the assigned value; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |

Note:

eCI@ss interpretes its value lists as open, i.e. as suggestions that cannot guarantee exhaustiveness. As the ISO defines value lists as restrictive and exclusive, i.e. only those values of a value list are valid for a property and no others, eCI@ss had to change its structure to be ISO-compliant. Therefore eCI@ss distinguishes now between restrictive value lists (in the ISO-sense, see 3.1.5) that include **only BOOLEAN property-value-relations** and suggested lists (proposed "open" lists that are neither exclusive nor exhaustive and only in the context of a class, see 3.1.6).

3.1.6 eClass8_1_CC_PR_VA_suggested_incl_constraint_en.csv (Relations eClass8_1_CC_en / eClass8_1_PR_en / eClass8_1_VA_en)

| No. | Attribute Name | Description | Length |
|-----|----------------|--|----------|
| 1 | IrdiCC | Primary key of the target class; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 2 | IrdiPR | Primary key of the target property; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 3 | IrdiVA | Primary key of the assigned value; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 4 | Constraint | Flag whether on the property-value list-relation in this class a constraint was applied (TRUE=not all values of the properties' value list are valid, but only the valid values are listed here) or not (FALSE=the properties' value list is not limited in this class, i.e. all values are valid and listed here) | CHAR(5) |

Note:

With release 8.0 eCl@ss introduces constraints, i.e. the limitation of a set of values of a property in the context of a class. E.g. a property "colour" might have the value list [red;yellow;green]. For a class "traffic light" all colours are valid (CONSTRAINT=FALSE), but for class "pedestrian traffic light" only [red;green] might be valid (CONSTRAINT=TRUE), i.e. a constraint is created for the value "yellow". Therefore **all values** (except restricted values, see 3.1.5) **are to be seen in the context of a class**.

3.1.7 eClass8_1_VA_en.csv (Value table)

| No. | Attribute Name | Description | Length |
|-----|-----------------|---|------------|
| 1 | Supplier* | International Code Designator (0173-1 for eCl@ss) | CHAR(6) |
| 2 | IdVA** | Identifier + VersionNumber | CHAR(9) |
| 3 | Identifier** | Identifier (unique within the structure element type: property) | CHAR(6) |
| 4 | VersionNumber** | Version number | CHAR(3) |
| 5 | RevisionNumber | Revision Number | CHAR(2) |
| 6 | VersionDate | Publication date of version | CHAR(10) |
| 7 | PreferredName | Name | CHAR(80) |
| 8 | ShortName | Short name | CHAR(17) |
| 9 | Definition | Definition | CHAR(1023) |
| 10 | Reference | Source of definition | CHAR(1023) |
| 11 | ISOLanguageCode | Language code according to ISO 639-1 / ISO 639-2, e.g. „en“ | CHAR(2) |
| 12 | ISOCountryCode | Country code according to ISO 3166-1 / ISO 3166-2, e.g. "US" | CHAR(2) |
| 13 | IrdiVA | Primary key of the value; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 14 | DataType | Data type of the value (STRING STRING_TRANSLATABLE REAL_MEASURE REAL_COUNT REAL_CURRENCY INTEGER_MEASURE INTEGER_COUNT INTEGER_CURRENCY BOOLEAN URL RATIONAL RATIONAL_MEASURE TIME TIMESTAMP DATE), see 3.1.9 | |

3.1.8 eClass8_1_UN_en.csv (Unit table)

| No. | Attribute Name | Description | Length |
|-----|-------------------------|--|------------|
| 1 | StructuredNaming | Structured Naming of the unit, e.g. "volt litre ⁻¹ minute ⁻¹ " | CHAR(1000) |
| 2 | ShortName | Short name | CHAR(1000) |
| 3 | Definition | Definition | CHAR(1000) |
| 4 | Source | Source of definition | CHAR(1000) |
| 5 | Comment | Comment on definition | CHAR(1000) |
| 6 | SINotation | Notation (STRING) according to the International System of Units, e.g. "V/(l·min)" | CHAR(1000) |
| 7 | SIName | Name (STRING) according to the International System of Units | CHAR(1000) |
| 8 | DINNotation | Notation (STRING) according to DIN (Deutsches Institut für Normung) | CHAR(1000) |
| 9 | ECENAME | ECE Name (STRING), e.g. "volt per liter minute" | CHAR(1000) |
| 10 | ECECode | ECE Code (STRING) according to ECE, e.g. " F87" | CHAR(3) |
| 11 | NISTName | Name (STRING) according to NIST | CHAR(1000) |
| 12 | IECClassification | Classification of the unit according to IEC | CHAR(1000) |
| 13 | IrdiUN | Primary key of the unit; globally unique International Registration Data Identifier (Supplier+TypeOfSE+Identifier+VersionNumber) | CHAR(20) |
| 14 | NameOfDedicatedQuantity | Name of the superordinate quantity according to DIN | CHAR(1000) |

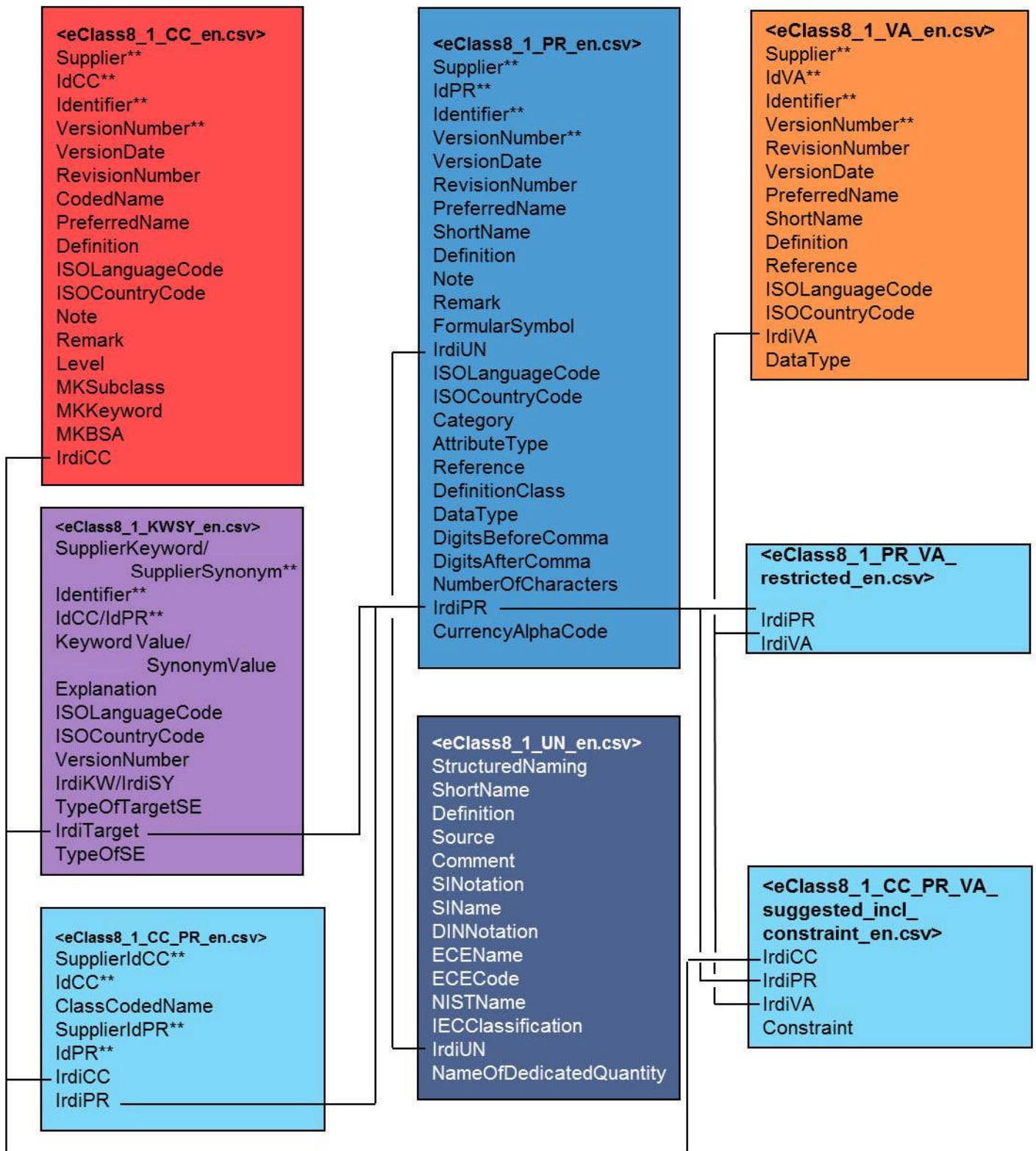
3.1.9 Description of the data types

| No. | Data Type | Definition | Examples |
|-----|---------------------|---|---|
| 1 | BOOLEAN | Allowed values: (YES NO) | YES |
| 2 | TIME | Format hh:mm according ISO 8601:2004 | 12:45 |
| 3 | TIMESTAMP | Format yyyy-mm-dd hh:mm according ISO 8601:2004 | 1979-01-15 12:45 |
| 4 | DATE | Format yyyy-mm-dd according ISO 8601:2004 | 1979-01-15 |
| 5 | URL | According to ISO 13584-24:2003 | http://www.eclass-serviceportal.com |
| 6 | RATIONAL | to represent rational numbers like 1/3 and -11/17 without rounding (http://en.wikipedia.org/wiki/Rational_data_type) | 1/3, 1 2/3 |
| 7 | RATIONAL_MEASURE | to represent rational numbers like 1/3 and -11/17 without rounding (http://en.wikipedia.org/wiki/Rational_data_type). Used for measuring in a specific unit of measure. | 1/3, 1 2/3 |
| 8 | INTEGER_COUNT | data type which represents some finite subset of the mathematical integers. These are also known as integral data types. Used only for counting. (http://en.wikipedia.org/wiki/Integer_(computer_science)). | 1 ; 10 ; 111 |
| 9 | INTEGER_MEASURE | data type which represents some finite subset of the mathematical integers. These are also known as integral data types. Used for measuring in a specific unit of measure. (http://en.wikipedia.org/wiki/Integer_(computer_science)). | 1 ; 10 ; 111 |
| 10 | INTEGER_CURRENCY | data type which represents some finite subset of the mathematical integers. These are also known as integral data types. Used for measuring in a specific currency. (http://en.wikipedia.org/wiki/Integer_(computer_science)). | 1 ; 10 ; 111 |
| 11 | REAL_COUNT | a rational number expressed in decimal representation (http://en.wikipedia.org/wiki/Real_number). Used only for counting. | 1.5 ; 102.35 |
| 12 | REAL_MEASURE | a rational number expressed in decimal representation (http://en.wikipedia.org/wiki/Real_number). Used for measuring in a specific unit of measure. | 1.5 ; 102.35 |
| 13 | REAL_CURRENCY | a rational number expressed in decimal representation (http://en.wikipedia.org/wiki/Real_number). Used for measuring in a specific currency. | 1.5 ; 102.35 |
| 14 | STRING | A finite sequence of symbols that are chosen from a set or alphabet [...] a sequence of characters (http://en.wikipedia.org/wiki/String_(computer_science)). Cannot be translated into other languages. | 0173-1#01-ADG629#001 ; DN 700 ; 10 Mbps |
| 15 | STRING_TRANSLATABLE | A finite sequence of symbols that are chosen from a set or alphabet [...] a sequence of characters (http://en.wikipedia.org/wiki/String_(computer_science)). Can be translated into other languages. | Red ; Green ; Aluminum |

Note on data types:

eCI@ss has introduced with release 7.0 many new data types that might not be interpretable by every system. In this case, eCI@ss recommends to distinguish between at least BOOLEAN, REAL, INTEGER (including count, measure and currency) and STRING properties. eCI@ss sees STRING as a suitable substitute for all other data types that are not interpretable by a system (STRING_TRANSLATABLE, URL, DATE, TIME, TIMESTAMP, RATIONAL, RATIONAL_MEASURE). This is restricted to the internal usage. When exchanging data they should be transferred according to these datatypes as otherwise receiving systems might not be able to interpret them correctly.

3.2 Structure & Relations



** Note: The official and internationally unique eCI@ss primary key is the IRDI (International Registration Data Identifier), a globally unambiguous identifier that comprises Supplier+TypeOfSE+Identifier+VersionNumber. The separate export of Supplier, ID, VersionNumber and the Identifier (ID+VersionNumber) is therefore redundant. Starting with eCI@ss Release 9.0 this redundant information will no longer be additionally exported, because it is already contained in the IRDI which is the only valid primary key in eCI@ss.

3.3 List of basic sets of properties (BSP) per segment

The following table contains all basic properties per segment.

| PR_ID | PR PreferredName EN | S G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 1 4 | 1 5 | 1 6 | 1 7 | 1 8 | 1 9 | 2 0 | 2 1 | 2 2 | 2 3 | 2 4 | 2 5 | 2 6 | 2 7 | 2 8 | 2 9 | 3 0 | 3 1 | 3 2 | 3 3 | 3 4 | 3 5 | 3 6 | 3 7 | 3 8 | 3 9 | 4 0 | 4 1 | 4 2 | 9 0 |
| AAR845 | USP information | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAP794 | Offerer/supplier | x | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAP796 | Offerer/supplier ID | x | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR718 | Accession time | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR849 | Quantity of layers per pallet | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAR850 | Quantity of products per pallet layer | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAR848 | Quantity of products per pallet | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAP805 | Product name | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAR705 | Performance frequency | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR716 | Fulfillment time period | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR719 | Attendance period | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAF368 | gross weight | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | |
| AAE319 | dual use mark | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | |
| AAR517 | ergonomic design | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAR714 | Size of expert staff, craft specific | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAO663 | GTIN | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAO676 | Manufacturer product number | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAO677 | Manufacturer name | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAR708 | Class number | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR709 | Classification system | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAF577 | Performance unit | x | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAF578 | Short description of performance | x | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAO736 | Supplier product number | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAO735 | Supplier name | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| BAF153 | Material for rendition of service | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR712 | Materials provision | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR713 | Media provision | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR706 | Batch | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAD875 | Net weight | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAF040 | net weight | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | |
| BAF162 | Object of provision | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR846 | Pallet dimension - Gross weight | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAR847 | Pallet dimension - volume | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| BAF831 | Personnel qualification | x | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAO847 | Product type description | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAR717 | Response time | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAB678 | Safety data sheet obligatory | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |
| AAO995 | country of origin | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | |
| AAE665 | county of origin | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | |
| AAP002 | Guidelines, norms | x | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR710 | Version of classification system | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR707 | Contract period | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR715 | Handling time | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AAR711 | Tools provision | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAB392 | Certificates and permits | x | x | | | | | | x | | | x | | | | | | | | | | | | | | | | | | | |
| AAD931 | customs tariff number (TARIC) | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAQ326 | additional link address | | | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| AAR923 | ecofriendly feature | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | |

4. Support: Authorized eCl@ss IT Service Providers

During the introduction of eCl@ss, questions frequently occur on the concrete implementation of eCl@ss into various IT systems. Often not all questions can be answered with own resources, so that it turned out to be useful to access external know-how on some issues.

The authorized eCl@ss-service-providers and the eCl@ss e.V. support companies with consulting and offer software solutions for the introduction of eCl@ss in the company and thus sustainably promote the distribution of eCl@ss.

All service providers assigned with implementing tasks defined by the eCl@ss association, guarantee to observe the current rules, guidelines and requirements of the eCl@ss e.V. regarding the eCl@ss data model based on international standards. All information concerning the eCl@ss-service-providers is available on www.eclass.de.

The individual service offers can be viewed on the following link:

http://wiki.eclass.de/wiki/Category:IT_Service_Providers

