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## 1. Terms of use

The use of the mapping tables is only permitted in acceptance of the General eCI@ss Terms of Use. These can be found at <http://www.eclassdownload.com/catalog/conditions.php?language=en>.

These mapping tables and the pertaining files may not be passed on or sold to other companies without the permission of eCI@ss. This also applies to their direct or indirect use in software products. Should the user wish to do so, a special agreement must be made with eCI@ss.

Commercial or other work for third parties with the help of the mapping tables and the pertaining files is permitted so long as the user ensures that the third party is in possession of a valid license for the source and target release.

## 2. General information about eCI@ss

Using a „common language“, readable for man and machine, is mandatory for successful electronic communication.

With eCI@ss, there is this common language available: a world-wide and 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 - you can optimize internal business processes as well as cooperate with business partners in a 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 mapping process:

eClass-RUF-TU-CC_7_x_to_8_x.csv	=	Transaction Upgrade Classes (Class-Update-Table)
eClass-RUF-TU-PR_7_x_to_8_x.csv	=	Transaction Upgrade Properties (Property-Update-Table)
eClass-RUF-CC_7_x_to_8_x-en_US.csv	=	Table of Classification Classes
eClass-RUF-KW-SY_7_x_to_8_x-en_US.csv	=	Table of Keywords / Synonyms
eClass-RUF-PR_7_x_to_8_x-en_US.csv	=	Table of Properties
eClass-RUF-VA_7_x_to_8_x-en_US.csv	=	Table of Values
eClass-RUF-CC_PR_7_x_to_8_x.csv	=	Relations Classes-Properties
eClass-RUF-PR_VA_7_x_to_8_x.csv	=	Relations Properties-Values
eClass-RUF-UN_7_x_to_8_x-en_US.csv	=	Table of units

*Content of the data sets:*

eCI@ss - Mapping of Release 7.x to Release 8.x – English (Release Update Files)

The file contains all data of the SourceReleases 7.0 and 7.1, i.e. it is valid for all 7.x-versions.

Format of data sets:

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

### 3.1 About the use of the files

You can only use these mapping tables, if you possess both a source release (7.x) and the target release 8.x and if you are a registered user of the eCI@ss standard.

The TU files for classes and properties contain the predecessor-successor-relationship of the changed classes and properties respectively in release 8.x. In the several tables of the specific structural elements (e.g. ...8\_x\_CC\_en.csv) all absolute changes are listed, i.e. all elements and relations that are no more part of release 8.x are listed as "CLOSED", all new ones are listed as "NEW". Those elements marked with "VERSION NUMBER" have been adapted, but their concept was not changed, i.e. their identifier did not change, only their version number was raised.

Update-to-date information and a detailed description can be found in the eCI@ss wiki:

[http://wiki.eclass.eu/wiki/eCI@ss\\_Release\\_Update\\_Files](http://wiki.eclass.eu/wiki/eCI@ss_Release_Update_Files)

### 3.2 Structure of the Transaction Upgrades (TU)

#### 3.2.1 eClass-RUF-TU-CC\_7\_x\_to\_8\_x.csv (Class-Update-Table)

No	Attribute name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>NEW: New element in TargetRelease</li> <li>MOVE: The class was moved in the hierarchy (CodedName changed), only level 4</li> <li>SPLIT: The class was split into several other classes and deprecated, only level 4</li> <li>JOIN: The class was joined into another class and deprecated, only level 4</li> <li>VERSION: The element was changed without changing the concept (e.g. textual correction). Identifier (CHAR6) and coded name do not change.</li> <li>CLOSED: The element from the SourceRelease was removed here in the TargetRelease</li> </ul>	CHAR(20)
2	IrdiSourceRelease	Primary key of the predecessor class in the SourceRelease; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	CodedNameSourceRelease	eCI@ss class code of the predecessor (class in SourceRelease)	CHAR(8)
4	IrdiTargetRelease	Primary key of the successor class in the TargetRelease; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
5	CodedNameTargetRelease	eCI@ss class code of the successor (class in TargetRelease)	CHAR(8)
6	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
7	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

Examples:

Command	IrdiSourceRelease	CodedName SourceRelease	IrdiTargetRelease	CodedName TargetRelease	Source Release	Target Release
MOVE	0173-1#01-AGZ365#007	27250580	0173-1#01-AGZ365#008	19240101	eCI@ss7.1	eCI@ss8.0
JOIN	0173-1#01-AGZ364#007	27250506	0173-1#01-AEK865#001	19170125	eCI@ss7.1	eCI@ss8.0
JOIN	0173-1#01-AGZ360#007	27250502	0173-1#01-AEK865#001	19170125	eCI@ss7.1	eCI@ss8.0
SPLIT	0173-1#01-AKM388#009	24230101	0173-1#01-AAX040#012	23330103	eCI@ss7.1	eCI@ss8.0
SPLIT	0173-1#01-AKM388#009	24230101	0173-1#01-AEL161#001	23330113	eCI@ss7.1	eCI@ss8.0

*Move:*

Class 27250580 was moved to class 19240101 in release 8.0. Only the version number changes.

*Join:*

Classes 27250506 and 27250502 were joined in the new class 19170125 in release 8.0. The sources will not be published any more. Join means: from specific to more general.

*Split:*

Class 24230101 was split into two new classes in release 8.0: 23330103 and 23330113. The two new classes persist, 24230101 will not be published any more. Split means: from general to more specific.

### 3.2.2 eClass-RUF-TU-PR\_7\_x\_to\_8\_x.csv (Property-Update-Table)

No	Attribute name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New assignment in TargetRelease</li> <li>• VERSION: At least one of the elements was changed without changing the concept (e.g. textual correction). Identifiers do not change.</li> <li>• REPLACED_PROP_COMPATIBLE: The element was replaced by another identical element (a compatible replacement according to ISO Change Management). Valuations are still valid.</li> <li>• REPLACED_PROP_INCOMPATIBLE: The element was substituted by another similar element (an incompatible substitution according to ISO Change Management). Valuations might become invalid.</li> <li>• CLOSED: The element from the SourceRelease was removed here in the TargetRelease</li> </ul>	CHAR(20)
2	IrdiCCSourceRelease	Primary key of the predecessor class in the SourceRelease; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	CodedNameSourceRelease	eCI@ss class code of the predecessor (class in SourceRelease)	CHAR(8)
4	IrdiPRSourceRelease	Primary key of the assigned property in the SourceRelease; International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
5	IrdiCCTargetRelease	Primary key of the successor class in the TargetRelease; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
6	CodedNameTargetRelease	eCI@ss class code of the successor (class in TargetRelease)	CHAR(8)
7	IrdiPRTargetRelease	Primary key of the assigned property in the TargetRelease; International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
8	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
9	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

The table contains those cases, where the relation between a property and a class has changed. If a property in a class was replaced or substituted by another property the old property will not be part of the target release in this context.

Compatible replacement:  
Incompatible replacement:

The replacement of an old property by a new one is compatible, i.e. a user's valuation is still valid.  
The replacement of an old property by a new one is incompatible, i.e. manual adaption of the data is necessary. Note: the old property was incorrect and is substituted by the new correct one. The new property might differ in data type or unit.

Examples:

Command	IrdiCC Source Release	Coded Name Source Release	IrdiPR Source Release	IrdiCC Target Release	Coded Name Target Release	IrdiPR Target Release	Source Release	Target Release
NEW				0173-1#01-AEL428#001	24321109	0173-1#02-BAB678#006	eCI@ss7.1	eCI@ss8.0
REPLACED_PROP_COMPATIBLE	0173-1#01-AKF979#009	24340711	0173-1#02-AAO223#001	0173-1#01-AKF979#010	24340711	0173-1#02-AAO192#002	eCI@ss7.1	eCI@ss8.0
REPLACED_PROP_INCOMPATIBLE	0173-1#01-BAD966#007	34301104	0173-1#02-BAJ012#006	0173-1#01-BAD966#008	34301104	0173-1#02-AAS244#001	eCI@ss7.1	eCI@ss8.0

NEW The property BAB678 is newly assigned to the class 24321109 in the target release.

COMPATIBLE REPLACE Property AAO223 that was assigned to class 24340711 among others is replaced by the compatible property AAO192.

AAO223

- Preferred name: Type of Battery
- Definition: group of batteries with comparable attributes
- Data type: STRING

AAO192

- Preferred name: Designation of battery
- Definition: coded description of a battery
- Data type: STRING

INCOMPATIBLE REPLACE In the context of class 34301104 the property BAJ012 that was assigned to the class in 7.1 is substituted by property AAS244 that has a different data type.

BAJ012

- Preferred name: Pharmaceutical central number
- Data type: INTEGER\_MEASURE

AAS244

- Preferred name: Pharmaceutical central number
- Data type: STRING

### 3.3 Classification structure

#### 3.3.1 eClass-RUF-CC-7\_x\_to\_8\_x-en\_US.csv (Class table)

No	Attribute name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New element in TargetRelease</li> <li>• MOVE: The class was moved in the hierarchy (CodedName changed), only level 4</li> <li>• SPLIT: The class was split into several other classes and deprecated, only level 4</li> <li>• JOIN: The class was joined into another class and deprecated, only level 4</li> <li>• VERSION NUMBER: The element was changed without changing the concept (e.g. textual correction). Identifier (CHAR6) and coded name do not change.</li> <li>• CLOSED: The element from the SourceRelease was removed here in the TargetRelease</li> </ul>	CHAR(20)
2	IrdiCC	Primary key of the class in the SourceRelease; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	VersionDate	Publication date of version	CHAR(10)
4	CodedName	eCI@ss class code	CHAR(8)
5	Level	Hierarchical level in class tree	CHAR(1)
6	PreferredName	Name	CHAR(80)
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	Deprecated	Specifies if the element is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = element was deprecated and is no longer part of the TargetRelease	BOOLEAN
10	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
11	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

#### 3.3.2 eClass-RUF-KW-SY\_7\_x\_to\_8\_x-en\_US.csv (Keyword/Synonym table)

No	Attribute name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New element in TargetRelease</li> <li>• VERSION NUMBER: The element was changed without changing the concept (e.g. textual correction). Identifier (CHAR6) and coded name do not change.</li> <li>• CLOSED: The element was removed in TargetRelease</li> </ul>	CHAR(20)
2	IrdiKWSY	Primary key of the keyword/synonym in the SourceRelease; International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	IrdiTarget	Primary key of the target element (KW to CC, SY to PR); International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(10)
4	KeywordValue/Synonym Value	Name of the keyword/synonym	CHAR(80)
5	ISOLanguageCode	Language code according to ISO 639-1 / ISO 639-2, e.g. „en“	CHAR(2)
6	ISOCountryCode	Country code according to ISO 3166-1 / ISO 3166-2, e.g. “US”	CHAR(2)
7	Deprecated	Specifies if the element is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = element was deprecated and is no longer part of the TargetRelease	BOOLEAN
8	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
9	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

### 3.3.3 eClass-RUF-PR\_7\_x\_to\_8\_x-en\_US.csv

No	Attribute name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New element in TargetRelease</li> <li>• VERSION NUMBER: The element was changed without changing the concept (e.g. textual correction). Identifier (CHAR6) and coded name do not change.</li> <li>• REPLACE: The element was replaced by another identical element (a compatible replacement according to ISO Change Management)</li> <li>• SUBSTITUTE: The element was substituted by another similar element (an incompatible substitution according to ISO Change Management)</li> <li>• CLOSED: The element from the SourceRelease was removed here in the TargetRelease</li> </ul>	CHAR(20)
2	IrdiPR	Primary key of the property in the SourceRelease; International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	VersionDate	Publication date of version	CHAR(10)
4	PreferredName	Name	CHAR(80)
5	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 3.3.8	
6	ISOLanguageCode	Language code according to ISO 639-1 / ISO 639-2, e.g. „en“	CHAR(2)
7	ISOCountryCode	Country code according to ISO 3166-1 / ISO 3166-2, e.g. “US”	CHAR(2)
8	Deprecated	Specifies if the element is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = element was deprecated and is no longer part of the TargetRelease	BOOLEAN
9	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
10	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

### 3.3.4 eClass-RUF-VA\_7\_x\_to\_8\_x-en\_US.csv (Value table)

No	Attribute name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New element in TargetRelease</li> <li>• VERSION NUMBER: The element was changed without changing the concept (e.g. textual correction). Identifier (CHAR6) and coded name do not change.</li> <li>• CLOSED: The element from the SourceRelease was removed here in the TargetRelease</li> </ul>	CHAR(20)
2	IrdiVA	Primary key of the value in the SourceRelease; International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	VersionDate	Publication date of version	CHAR(10)
4	Value	The actual value, the name	CHAR(80)
5	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 3.3.8	
6	ISOLanguageCode	Language code according to ISO 639-1 / ISO 639-2, e.g. „en“	CHAR(2)
7	ISOCountryCode	Country code according to ISO 3166-1 / ISO 3166-2, e.g. “US”	CHAR(2)
8	Deprecated	Specifies if the element is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = element was deprecated and is no longer part of the TargetRelease	BOOLEAN
9	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
10	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

### 3.3.5 eClass-RUF-CC\_PR\_7\_x\_to\_8\_x.csv (Relations eClass-RUF-CC-7\_x\_to\_8\_x / eClass-RUF-PR-7\_x\_to\_8\_x)

No.	Attribute Name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New assignment in TargetRelease</li> <li>• VERSION NUMBER: At least one of the elements was changed without changing the concept (e.g. textual correction). Identifiers do not change.</li> <li>• CLOSED The assignment of SourceRelease was removed</li> </ul>	CHAR(20)
2	IrdiCC	Primary key of the target class; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	IrdiPR	Primary key of the assigned property; International Registration Data Identifier of the property, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
4	Deprecated	Specifies if the assignment is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = assignment was deprecated and is no longer part of the TargetRelease	BOOLEAN
5	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
6	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

### 3.3.6 eClass-RUF-PR\_VA\_7\_x\_to\_8\_x.csv (Relations eClass-RUF-PR\_7\_x\_to\_8\_x / eClass-RUF-VA\_7\_x\_to\_8\_x)

No.	Attribute Name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New assignment in TargetRelease</li> <li>• VERSION NUMBER: At least one of the elements was changed without changing the concept (e.g. textual correction). Identifiers do not change.</li> <li>• CLOSED The assignment of SourceRelease was removed</li> </ul>	CHAR(20)
2	IrdiPR	Primary key of the target property; International Registration Data Identifier of the class, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	IrdiVA	Primary key of the assigned value; International Registration Data Identifier of the property, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
4	Deprecated	Specifies if the assignment is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = assignment was deprecated and is no longer part of the TargetRelease	BOOLEAN
5	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
6	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

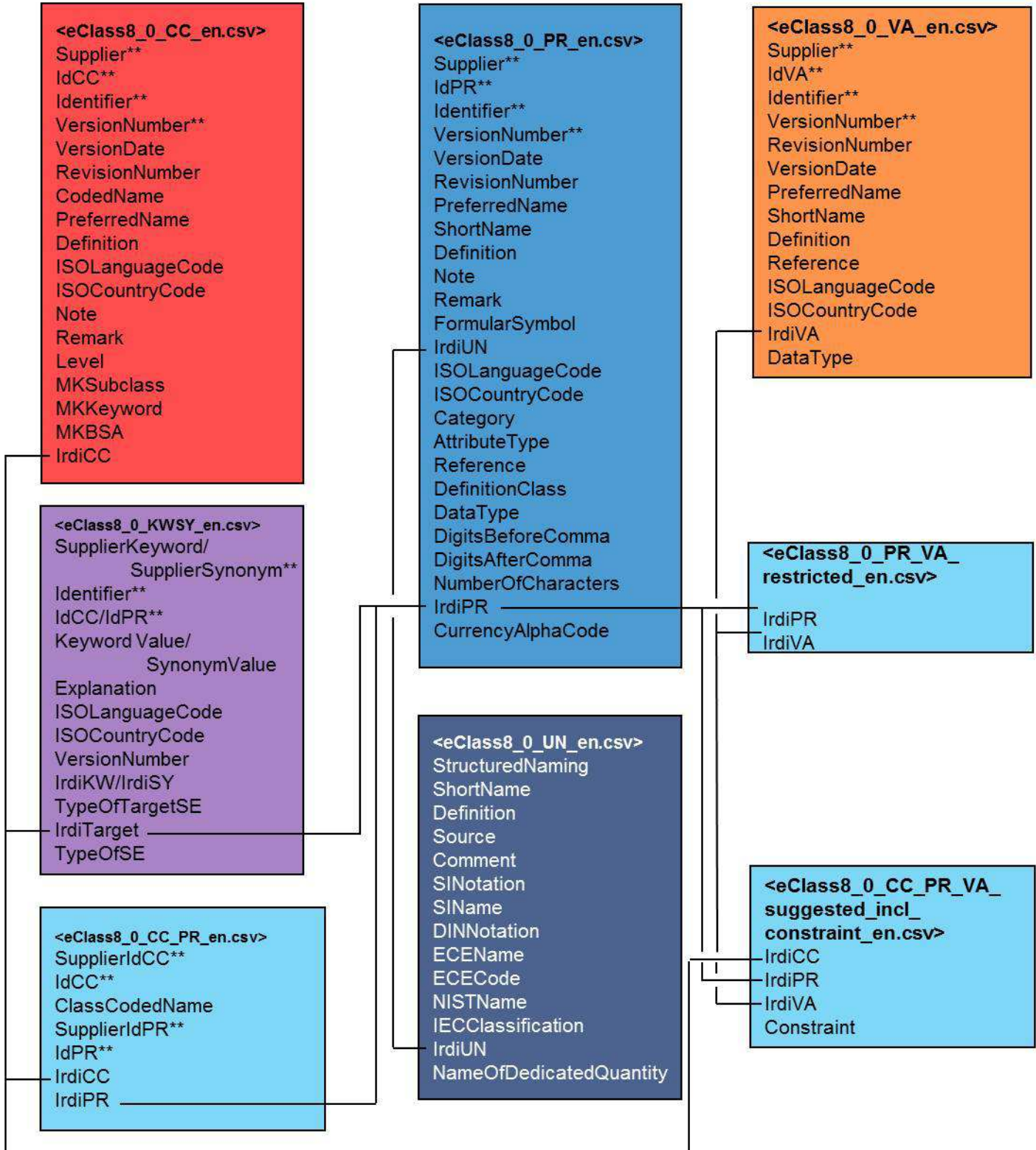
### 3.3.7 eClass-RUF-UN-7\_x\_to\_8\_x\_en\_US.csv (Unit table)

No	Attribute Name	Description	Length
1	Command	Specifies the type of change that occurred in the TargetRelease: <ul style="list-style-type: none"> <li>• NEW: New element in TargetRelease</li> <li>• VERSION NUMBER: The element was changed without changing the concept (e.g. textual correction).</li> <li>• CLOSED The element was removed in the TargetRelease</li> </ul>	CHAR(20)
2	IrdiUN	Primary key of the eCI@ss unit; International Registration Data Identifier, globally unique eCI@ss Identifier (Supplier+TypeOfSE+Identifier+VersionNumber)	CHAR(20)
3	StructuredNaming	Structured Naming of the unit, e.g. "volt litre^-1 minute^-1"	CHAR(1000)
4	ShortName	Short name	CHAR(1000)
5	NameOfDedicatedQuantity	Name of the superordinate quantity according to DIN	CHAR(1000)
6	Deprecated	Specifies if the element is deprecated in the TargetRelease. Allowed values: {TRUE FALSE}, true = element was deprecated and is no longer part of the TargetRelease	BOOLEAN
7	SourceRelease	e.g. eCI@ss 7.1	CHAR(13)
8	TargetRelease	e.g. eCI@ss 8.0	CHAR(13)

### 3.3.8 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	<a href="http://www.eclass-serviceportal.com">http://www.eclass-serviceportal.com</a>
6	RATIONAL	to represent rational numbers like 1/3 and -11/17 without rounding ( <a href="http://en.wikipedia.org/wiki/Rational_data_type">http://en.wikipedia.org/wiki/Rational_data_type</a> )	1/3, 1 2/3
7	RATIONAL_MEASURE	to represent rational numbers like 1/3 and -11/17 without rounding ( <a href="http://en.wikipedia.org/wiki/Rational_data_type">http://en.wikipedia.org/wiki/Rational_data_type</a> ). 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. ( <a href="http://en.wikipedia.org/wiki/Integer_(computer_science)">http://en.wikipedia.org/wiki/Integer_(computer_science)</a> ).	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. ( <a href="http://en.wikipedia.org/wiki/Integer_(computer_science)">http://en.wikipedia.org/wiki/Integer_(computer_science)</a> ).	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. ( <a href="http://en.wikipedia.org/wiki/Integer_(computer_science)">http://en.wikipedia.org/wiki/Integer_(computer_science)</a> ).	1 ; 10 ; 111
11	REAL_COUNT	a rational number expressed in decimal representation ( <a href="http://en.wikipedia.org/wiki/Real_number">http://en.wikipedia.org/wiki/Real_number</a> ). Used only for counting.	1,5 ; 102,35
12	REAL_MEASURE	a rational number expressed in decimal representation ( <a href="http://en.wikipedia.org/wiki/Real_number">http://en.wikipedia.org/wiki/Real_number</a> ). Used for measuring in a specific unit of measure.	1,5 ; 102,35
13	REAL_CURRENCY	a rational number expressed in decimal representation ( <a href="http://en.wikipedia.org/wiki/Real_number">http://en.wikipedia.org/wiki/Real_number</a> ). 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 ( <a href="http://en.wikipedia.org/wiki/String_(computer_science)">http://en.wikipedia.org/wiki/String_(computer_science)</a> ). 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 ( <a href="http://en.wikipedia.org/wiki/String_(computer_science)">http://en.wikipedia.org/wiki/String_(computer_science)</a> ). Can be translated into other languages.	Red ; Green ; Aluminum

### 3.4 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.



## 4. Liability / Compensation / Indemnity

The mapping tables used were produced by eCI@ss with the greatest accuracy using automated systems. Claims for damages and reimbursement (hereafter: "compensation claims") raised against eCI@ss e.V. for whatever legal grounds, especially because of infringement of duties of legal obligations and tort actions, are excluded.

This does not apply to claims in accordance with the product liability law, in cases of intent and gross negligence, for damages because of bodily injury, sickness or disease, or death, and the infringement of fundamental contractual obligations. The claim for compensation for the infringement of fundamental contractual obligations is however restricted to foreseeable damages typical of this type of contract, except in the event of intent or gross negligence or damages being sought for bodily injury, sickness or disease, or death.

Where the license holder has the right to claim for compensation, such claims must be made within a one year period of acquisition (download) of the eCI@ss mapping table. This does not apply to compensation claims in accordance with the product liability law.

The license holder indemnifies eCI@ss e.V. from all claims and rights of third parties that result from the license holder's user-individual data input and/or the unauthorized transmission, distribution or public reproduction of eCI@ss files by the license holder.

The same applies for the claims and rights of third parties in relation to changes to the eCI@ss structure and/or classification and/or non-permitted transmission, distribution or public reproduction of eCI@ss files carried out by the license holder or third parties.

The license holder further indemnifies eCI@ss from all claims and rights of third parties that are lodged against eCI@ss in relation to the use of the license holder's own language versions.

## 5. Support: Authorized eCI@ss IT Service Providers

During the introduction of eCI@ss, questions frequently occur on the concrete implementation of eCI@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 eCI@ss-service-providers and the eCI@ss e.V. support companies with consulting and offer software solutions for the introduction of eCI@ss in the company and thus sustainably promote the distribution of eCI@ss.

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

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

[http://wiki.eclass.de/wiki/Category:IT\\_Service\\_Providers](http://wiki.eclass.de/wiki/Category:IT_Service_Providers)

