



ETIM
International

The international classification
standard for technical products



ETIM xChange - country specific regulations

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1. Introduction

The ETIM xChange format aims for a 'one fits all' solution, where the common fields that are used internationally are defined at general level, but the format should still support all local day-to-day requirements with minimal data redundancy. To be better able to accommodate local needs for information, we built in several options to adapt and extent the format for optimal local use.

In xChange, there are 4 options to adapt the format to fit with the local needs:

- Make (internationally) optional fields mandatory at local level.
- Define country specific regulations for the use of specific fields
- Define country specific fields (using predefined elements)
- Define country specific extensions (free additional structures)

Ad 1.

Mandatory elements at international level must be also mandatory in each country. But, as at international level most fields and subtrees are defined as optional, each optional element can be marked as mandatory on the level of an individual ETIM country. In a separate Excel sheet with an overview of all elements, that is part of the documentation package for the xChange standard, the local definition of optional and mandatory fields is included.

Ad 2.

Each ETIM country organization can define specific regulations, relevant for data transfer in their market, in addition to the general international guidelines.

Ad 3.

To accommodate local needs, but also to avoid an explosion of elements in the common part of the xChange format, a subtree element `CountrySpecificFields` is provided in the xChange standard, both at product and at trade item level. For this element each country can define itself what information they would like to exchange, using predefined structural elements as 'building blocks'. Although it is not specifically designed for this, it is also allowed for manufacturers to use this element to provide additional free information in a structured way, which then of course is not standardized. See for detailed (syntax) information on the different country specific fields the general format documentation.

Ad 4.

Even more flexible is the option `CountrySpecificExtensions`, which is offered on three levels (root, product and trade item). This element is intended as 'anchor point' to attach user defined, country specific extension structures. For example, in the Netherlands they use a user defined extension "RentalUDE" with specific information for rental products.

To make it even more flexible it also should be possible to introduce new elements in between official releases. For that a dynamic document (with version date) will be published in the download section with the official guidelines on the website www.etim-international.com/downloads, listing all the defined guidelines, characteristics and extensions per country.

In the xChange validation tool you can select the country (countries) for which your datafile is intended, the tool will then validate if all locally mandatory fields are provided. If country specific fields are added,

the tool will be able to perform a syntactic validation on these fields. However, the validation tool will not be able to validate against any specific local guidelines or field definitions regarding content.

For more information, you can contact the respective country organization directly. At www.etim-international.com/contact you can send a direct message (e-mail) to each respective country, or you can go to the local ETIM website for more information.

2. Country specific regulations

2.1. AT - AUSTRIA

Text fields:

- For the Austrian market the only accepted character set is UTF-8.
- The element "FullProductDescription" is described as follows: "The aim of the element FullProductDescription is a more detailed product description. ETIM features can be used but neither exclusively nor as a series of several ETIM features. Also, not desired is a one-to-one copy of the "MinimalProductDescription". Requested are formulated texts that should have a commercial and/or technical character. This field should present features of a product – among others – that cannot be described with the structured data. Redundant information that is already submitted elsewhere in the exchange file should be avoided.
- All text fields ("MinimalProductDescription", "MinimalItemDescription", "UniqueMainItemDescription", "UniqueMainProductDescription" "FullProductDescription", "ProductKeyword", ...) may not contain font formatting (bold, italic (cursive), underline, ...). Allowed are all characters of the German character set, without semicolon, quotation marks, em dash/longer dash and apostrophe. Special formatted elements like "¼" are also not allowed.
- The current spelling rules are generally observed. Particularly the use of capital letters/chapters generally should be avoided (e.g. JUNCTION BOX). Furthermore, sequences of blanks or information about the date of delivery are not allowed. The indication of a product- or item number or a manufacturer name in the fields "MinimalProductDescription", "MinimalItemDescription", "UniqueMainProductDescription", "UniqueMainItemDescription", "FullItemDescription" "FullProductDescription" and "ProductKeyword" should also be avoided.

Attachments:

The data receivers expect at least one "Standard Picture" (AttachmentType = "ATX015" Main product/item picture) for each "TradeItem". This picture should be delivered additional to the xChange document as a file.

For documents which are delivered with the xChange-document following information is necessary:

- in the field "AttachmentUri" the following text: file://[Dateiname].[Endung]

Further pictures and documents can and should be delivered in addition. Not permitted is the delivery of picture data that contains written or graphical information "Picture not available".

Neither the names of the documents nor links can contain special characters, this also includes:

- „ “ / \ = ? * , < > | ; : +

If these elements are delivered as links following signs should be avoided additionally in the links as they can cause problems when automatic systems are used to download elements:

- "&"
- space

The links should not be automatically downloading and not forwarding to other linked content cause of security risks.

The links must be available during the entire validity period of the transferred data.

If the link is not ending with the information about the art of the document (e.g. jpg) the field "AttachmentFilename" is mandatory ending with the art of the document.

Media assets:

The "MD" codes are to be mapped with the field "AttachmentTypeSpecification".

See example below.

```
"AttachmentType": "ATX018",
"AttachmentDetails": [
  {
    "AttachmentFilename": "Verpackung.jpg",
    "AttachmentUrl": "https://www.company.com/verpackung.jpg",
    "AttachmentTypeSpecification": [
      {
        "AttachmentTypeSpecification": "MD69"
```

Overview of allowed MD codes originating from ETIM BMEcat 5.0

Code	Designation	Code	Designation
MD01	Product picture	MD34	Wiring diagram
MD02	Similar figure	MD35	Supplier's declaration for products having preferential origin status
MD03	Safety data sheet	MD37	3D / BIM object
MD04	Deepink product page	MD38	Management, operation and maintenance document
MD05	Declaration REACH	MD39	Instructional video
MD06	Energy label	MD40	Spare parts list
MD07	Product data sheet for energy label	MD41	Sales brochure
MD08	Calibration certificate	MD42	AVCP certificate (Assessment and Verification of Constancy of Performance)
MD09	Certificate	MD43	CLP (Classification, Labelling and Packaging)
MD10	Circuit diagram	MD44	ECOP (Environmental Code of Practice)
MD11	Construction Products Regulation	MD45	Product video
MD12	Dimensioned drawing	MD46	360° view
MD13	Environment label	MD47	Thumbnail of Product picture (MD01)
MD14	Instructions for use	MD48	Pictogram/icon
MD15	Light cone diagram	MD49	Declaration RoHS
MD16	Light Distribution Curve	MD50	Declaration CoC (Certificate of Conformity, requested for CPR)
MD17	Logo 1c	MD51	Declaration DOP (Declaration of performance)
MD18	Logo 4c	MD52	Declaration DOC CE (Declaration of conformity CE)
MD19	Luminaire data	MD53	Declaration BREEAM (Building Research Establishment Environmental Assessment Method)
MD20	Ambient picture	MD54	Declaration EPD (Environmental Product Declaration)
MD21	Mounting instruction	MD55	Declaration ETA (European Technical Assessment)
MD22	Product data sheet	MD56	Declaration warranty (Warranty statement)
MD23	Product picture back view	MD57	Application video
MD24	Product picture bottom view	MD58	Question and Answer (Q&A video)
MD25	Product picture detailed view	MD59	Product picture square format
MD26	Product picture front view	MD60	Exploded view drawing
MD27	Product picture sloping	MD61	Flowchart
MD28	Product picture top view	MD62	Product presentation
MD29	Product picture view from the left side	MD63	Specification text
MD30	Product picture view from the right side	MD64	Line drawing
MD31	Seal of approval	MD65	Product family view
MD32	Technical information		
MD33	Test approval	MD99	Others

Surcharge elements:

TradeItem / CountrySpecificExtensions	
Material	<p>Indication on the metal which is related to all further data:</p> <p style="text-align: center;">aluminum copper lead silver</p> <p>The surcharge data can be given multiple if a product has several metals (see example NAYCWY).</p>
Manner (Manner)	In this field the value "base" has to be specified.
Percentage (Percentage)	No value has to be entered.
Price amount (PriceAmount)	No value has to be entered.
Material basis (MaterialBasis)	<p>The metal quotation that is already charged in the price has to be given, e.g.:</p> <ul style="list-style-type: none"> - "000" for hollow prices

TradeItem / CountrySpecificExtensions	
	<ul style="list-style-type: none"> - "100" for prices that include already the charge of the belonging metal with 100.00 €/100 kg - "150" for prices that include already the charge of the belonging metal with 150.00 €/100 kg <p>Notice: With so-called full prices, all data on metal surcharges can be omitted.</p>
Material basis weight (MaterialBasisWeight)	<p>Material weight (Individual metal number) has to be given in „grams per price reference quantity of the order unit" (grams per PRICE_QUANTITY of the ORDER_UNIT)</p> <p>i.e. usually grams / 1,000 meter</p>
Step size (StepSize)	Usually no information is required for this field

Other:

- The field ProductGtin is mandatory if a Gtin exists for the product
- The field AttachmentFilename is mandatory for product- and trade item attachments if a link is not ending by e.g. jpg.



2.2. AU/NZ – AUSTRALIA/NEW ZEALAND

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.3. BE – BELGIUM

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.



2.4. CH - SWITZERLAND

Media assets

The list of all currently supported Media Asset Types (MD) is to be found using the following link:

<https://www.etim.ch/de/downloads/downloads/9-xchange>

<https://www.etim.ch/fr/downloads/downloads/9-xchange>

<https://www.etim.ch/it/downloads/downloads/9-xchange>

The “MD” codes are to be mapped with the field “AttachmentTypeSpecification”.

See example below.

```
"AttachmentType": "ATX018",  
"AttachmentDetails": [  
  {  
    "AttachmentFilename": "Verpackung.jpg",  
    "AttachmentUrl": "https://www.company.com/verpackung.jpg",  
    "AttachmentTypeSpecification": [  
      {  
        "AttachmentTypeSpecification": "MD69"  
      }  
    ]  
  }  
]
```

2.5. DE – GERMANY

Text fields

- For the German market, the element “FullProductDescription” is described as follows:
“The aim of the element FullProductDescription is a more detailed product description. ETIM features can be used but neither exclusively nor as a series of several ETIM features. Also not desired is a one-to-one copy of the UniqueMainProductDescription.
Requested are formulated texts that should have a commercial and / or technical character. The long description should present features of a product – among others – that cannot be described with the structured data. Redundant information that is already submitted elsewhere in the exchange file should be avoided.”
- Text fields (“MinimalProductDescription”, “MinimalItemDescription”, “UniqueMainItemDescription”, “UniqueMainProductDescription” “FullProductDescription”, “ProductKeyword”, ...) may not contain font formatting (bold, italic (cursive), underline, ...). Allowed are all characters of the German character set, without semicolon, quotation marks, em dash/longer dash and apostrophe. Only the “Long description” may contain additional structures (bullets, paragraphs/line breaks) but no HTML tags.
HTML tags will be permitted if they are escaped.
- The current spelling rules are generally observed. Particularly the use of capital letters/chapters generally should be avoided (e.g. JUNCTION BOX). Furthermore, sequences of blanks or information about the date of delivery are not allowed. The indication of a product- or item number or a manufacturer name in the fields “MinimalProductDescription”, “MinimalItemDescription”, “UniqueMainProductDescription”, “UniqueMainItemDescription”, “FullItemDescription” “FullProductDescription” and “ProductKeyword” should also be avoided.

General requirements

The link must be available during the entire validity period of the transferred data.

Attachments

The data receivers expect at least one **“Standard Picture”** (AttachmentType = “ATX015” Main product/item picture) for each “Tradeltem”.

Further pictures and documents can and should be delivered in addition. Not permitted is the delivery of picture data that contains written or graphical information “Picture not available”.

Specification for product group cables and wires in Germany

	NYM-J 3x1.5 100 m ring	NYY-J 3x1.5 exact 500 m non- returnable reel	NYY-J 3x1.5 exact 3,000 m returnable drum	NAYCWY 3x120 approx. 500 m returnable drum	NAYCWY 3x120 cutting length
Product / ProductDescriptions					
UniqueMainProductDescription	NYM-J 3x1.5	NYY-J 3x1.5		NAYCWY 3x120	
FullProductDescription	see below	see below		see below	
Tradeltem / ItemDescriptions					
MinimalItemDescription	NYM-J 3x1.5 100 m ring	NYY-J 3x1.5 exact 500 m non- returnable reel	NYY-J 3x1.5 exact 3,000 m returnable drum	NAYCWY 3x120 exact 500 m returnable drum	NAYCWY 3x120 cutting length
SupplierItemNumber	an 35	an 35	an 35	an 35	an 35
SupplierItemGtin	n14	n14	n14	n14	n14
Tradeltem / Ordering					
Order unit (OrderUnit)	MTR	MTR	MTR	MTR	MTR
Use unit (UseUnit)	MTR	MTR	MTR	MTR	MTR
Use unit per order unit (UseUnitConversionFactor)	1	1	1	1	1
Quantity interval (OrderStepSize)	100	500	3000	500	1
Tradeltem / Pricing					
Price amount customer price (NetPrice)	490.00	152.00	152.00	5300.00	5300.00
Price quantity (PriceQuantity)	1000	1000	1000	1000	1000
Tax rate (Vat)	0.19	0.19	0.19	0.19	0.19
Tradeltem / LogisticDetails					
Net weight (BaseItemNetWeight)	0.11	0.11	0.176	2.660	2.660
Tradeltem / CountrySpecificExtensions					



	NYM-J 3x1.5 100 m ring	NYV-J 3x1.5 exact 500 m non- returnable reel	NYV-J 3x1.5 exact 3,000 m returnable drum	NAYCWY 3x120 approx. 500 m returnable drum	NAYCWY 3x120 cutting length
Surcharge type (UDX.EDXF.SURCHARGE_TYPE)	copper	copper	copper	aluminum	aluminum
Surcharge manner (UDX.EDXF.SURCHARGE_MANNER)	base	base	base	base	base
Surcharge factor (UDX.EDXF.SURCHARGE_PERCENTAGE)					
Surcharge price amount (UDX.EDXF.SURCHARGE_PRICE_AMOUNT)					
Material basis (UDX.EDXF.MATERIAL_BASIS)	150	0	0	0	0
Material basis weight (UDX.EDXF.MATERIAL_BASIS_WEIGHT)	43000	43000	43000	1044000	1044000
Quantity unit (UDX.EDXF.MATERIAL_BASIS_PRICE_UNIT)	MTR	MTR	MTR	MTR	MTR
Surcharge type (UDX.EDXF.SURCHARGE_TYPE)				copper	copper
Surcharge manner (UDX.EDXF.SURCHARGE_MANNER)				base	base
PackagingUnit (1 of n)					
Packaging quantity (PackagingQuantity)	100	500	3000	500	
Packing unit code (PackagingTypeCode)	RG	CL	DR	DR	
PackagingUnit (2 of n)					
Packaging quantity (PackagingQuantity)	4800	2000		1000	
Packing unit code (PackagingTypeCode)	PF	PF		PF	

Explanation on the separate sample data:

Product / ProductDescriptions	
UniqueMainProductDescription max. 256 characters	In this field a textual description of the product is to enter. In catalogs it can be used as a headline of a product type. Examples: House wiring cable, PVC insulated Medium voltage power cable, VPE insulated with Cu conductor, longitudinal water blocking screen and PE sheath
FullProductDescription max. 10,000 characters	In this field a textual description of the application and the usage of the product is to enter. Example: According to VDE 0298, part 3 – installation on top, on, in and under plaster in dry, humid and wet rooms and also in brickwork and concrete, except for direct embedding in shaking-, vibratory or tamped concrete. As well suitable for outdoor usage if protected from direct sunlight, however not in the soil.

Tradeltem / Ordering	
Quantity interval (OrderStepSize)	Shows the interval in which the Tradeltem can be ordered. For cutting length it is usually "1" (1 meter). For a stock length of e.g. 500 m with permitted length tolerance of maybe 450 m to 550 m it is "500" (500 meters).

Tradeltem / CountrySpecificExtensions	
Material	Indication on the metal which is related to all further data: <div style="text-align: center;"> aluminum copper lead silver </div> The surcharge data can be given multiple if a product has several metals (see example NAYCWY).
Manner (Manner)	In this field the value "base" has to be specified.
Percentage (Percentage)	No value has to be entered.
Price amount (PriceAmount)	No value has to be entered.



Tradeltem / CountrySpecificExtensions	
Material basis (MaterialBasis)	<p>The metal quotation that is already charged in the price has to be given, e.g.:</p> <ul style="list-style-type: none">- "000" for hollow prices- "100" for prices that include already the charge of the belonging metal with 100.00 €/100 kg- "150" for prices that include already the charge of the belonging metal with 150.00 €/100 kg <p>Notice: With so-called full prices, all data on metal surcharges can be omitted.</p>
Material basis weight (MaterialBasisWeight)	<p>Material weight (Individual metal number) has to be given in „grams per price reference quantity of the order unit“ (grams per PRICE_QUANTITY of the ORDER_UNIT)</p> <p>i.e. usually grams / 1,000 meter</p>
Step size (StepSize)	<p>Usually no information is required for this field</p>

2.6. DK - DENMARK

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.7. ES - SPAIN

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.8. FI - FINLAND

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.9. FR – FRANCE

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.10. HU - HUNGARY

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.11. IT - ITALY

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.12. NA – NORTH AMERICA (USA/CANADA/MEXICO)

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.13. NL - NETHERLANDS

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.14. NO - NORWAY

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.



2.15. PL - POLAND

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.16. PT – PORTUGAL

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.17. SE - SWEDEN

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.18. SI - SLOVENIA

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

2.19. UK – UNITED KINGDOM

No country specific regulations for this version 1.1 of the ETIM xChange Guidelines.

3. CountrySpecificFields

3.1. AT- AUSTRIA

Level	TradeItem
'CSItemCharacteristicCode'	AT_REVERSE_CHARGE
'CSItemCharacteristicName'	REVERSE_CHARGE_INFO
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Mandatory
Explanation/definition	Information if this product is subject to "reverse charge". This information is necessary for the Austrian wholesalers for the invoices they give to their customers. The statement here is legally binding!
Example	-

Level	Product
'CSProductCharacteristicCode'	AT_LEISTUNGSBESCHREIBUNG
'CSProductCharacteristicName'	LEISTUNGSBESCHREIBUNG
Value type	CSProductCharacteristicValueString
Min – max length	1 - 4000
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	According to „Bauprodukteverordnung/Building Products Guideline“. If the product is liable to this, the information is mandatory; additional a pdf-document is mandatory with the certificate.
Example	-



3.2. AU/NZ – AUSTRALIA/NEW ZEALAND

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.3. BE – BELGIUM

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.4. CH – SWITZERLAND

Level	TradItem
'CSItemCharacteristicCode'	CH_001-1
'CSItemCharacteristicName'	SurchargeType
Value type	CSItemCharacteristicValueSelect
Min – max length	Not relevant
Allowed values	"INOBAT"; "SENS"; "SWICO"; "VOC"
Mandatory/optional	Optional (conditional)
Explanation/definition	Applicable surcharges for household appliances on the Swiss market. The following values for this element must be used: SENS (recycling fee for luminaires, lamps, household appliances or similar); SWICO (recycling fee for office equipment or similar); INOBAT (battery recycling); VOC (Volatile Organic Compounds).
Example	See below

```
{
  "CSItemCharacteristicCode": "CH_001-1",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "SurchargeType"
    }
  ],
  "CSItemCharacteristicValueSelect": "INOBAT"
}
```

Level	TradeItem
'CSProductCharacteristicCode'	CH_001-2
'CSProductCharacteristicName'	SurchargeCode
Value type	CSItemCharacteristicValueSelect
Min – max length	Not relevant
Allowed values	See code list by the body responsible for recycling fees (SWICO, SENS, BAZG, INOBAT)
Mandatory/optional	Optional (conditional)
Explanation/definition	Code applicable for the surcharge type as defined under field CH_001-1.
Example	See below

```
{
  "CSItemCharacteristicCode": "CH_001-2",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "SurchargeCode"
    }
  ],
  "CSItemCharacteristicValueSelect": "10001"
}
```



TradeItem	TradeItem
'CSProductCharacteristicCode'	CH_001-3
'CSProductCharacteristicName'	SurchargeAmount
Value type	CSItemCharacteristicValueNumeric
Min – max length	Not relevant
Allowed values	No limitations
Mandatory/optional	Optional (conditional)
Explanation/definition	Amount of the surcharge in CHF ex VAT.
Example	See below

```
{
  "CSItemCharacteristicCode": "CH_001-3",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "SurchargeAmount"
    }
  ],
  "CSItemCharacteristicValueNumeric": "0.0500"
}
```


Level	TradeItem
'CSProductCharacteristicCode'	CH_002
'CSProductCharacteristicName'	ColourVariant
Value type	CSItemCharacteristicValueString
Min – max length	1 - 150
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	The supplier's article number for articles that are a colour variant of the original article
Example	See below

```

{
  "CSProductCharacteristicCode": "CH_002",
  "CSProductCharacteristicName": [
    {
      "CSProductCharacteristicName": "ColourVariant"
    }
  ],
  "CSProductCharacteristicValueString": [
    {
      "CSProductCharacteristicValueString": "1234-ABC"
    }
  ]
}

```

3.5. DE - GERMANY

Level	Product
'CSProductCharacteristicCode'	DE_001
'CSProductCharacteristicName'	WATER_HAZARD_CLASS
Value type	CSProductCharacteristicValueSelect
Allowed values	"1"; "2"; "3"
Mandatory/optional	Optional
Explanation/definition	Classification according to VwVwS (Verwaltungsvorschrift wassergefährdende Stoffe) (Section 15.1 in the SDS)
Example	See below

```

"CountrySpecificFields": [
  {
    "CSProductCharacteristicCode": "DE_001",
    "CSProductCharacteristicName": [
      {
        "CSProductCharacteristicName": "WATER_HAZARD_CLASS"
      }
    ],
    "CSProductCharacteristicValueSelect": "1"
  }
]

```



Level	Product
'CSProductCharacteristicCode'	DE_002
'CSProductCharacteristicName'	CHEMICAL_PROHIBITION_ORDINANCE
Value type	CSProductCharacteristicValueBoolean
Allowed values	"true" or "false"
Default	"true"
Mandatory/optional	Optional
Explanation/definition	To be set to "true" according to German "Chemikalienverbotsverordnung"
Example	See below

```
{  
  "CSProductCharacteristicCode": "DE_002",  
  "CSProductCharacteristicName": [  
    {  
      "CSProductCharacteristicName": "CHEMICAL_PROHIBITION_ORDINANCE"  
    }  
  ],  
  "CSProductCharacteristicValueBoolean": true  
}
```

3.6. DK - DENMARK

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.7. ES - SPAIN

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.8. FI - FINLAND

Level	TradeItem
'CSItemCharacteristicCode'	FI_001
'CSItemCharacteristicName'	SNumber
Value type	CSItemCharacteristicValueString
Min – max length	2 - 7
Allowed values	[0-9]{2,7}
Mandatory/optional	Optional
Explanation/definition	Finnish National Datapool ID Number (electrical)
Example	See below

```
{
  "CSItemCharacteristicCode": "FI_001",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "SNumber"
    }
  ],
  "CSItemCharacteristicValueString": [
    {
      "CSItemCharacteristicValueString": "1411952"
    }
  ]
},
```

Level	TradeItem
'CSItemCharacteristicCode'	FI_002
'CSItemCharacteristicName'	LVINumber
Value type	CSItemCharacteristicValueString
Min – max length	2 - 7
Allowed values	[0-9]{2,7}
Mandatory/optional	Optional
Explanation/definition	Finnish National Datapool ID Number (HVAC + Plumbing)
Example	See below

```
{
  "CSItemCharacteristicCode": "FI_002",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "LVINumber"
    }
  ],
  "CSItemCharacteristicValueString": [
    {
      "CSItemCharacteristicValueString": "1571310"
    }
  ]
},
```



Level	Product
'CSProductCharacteristicCode'	FI_003
'CSProductCharacteristicName'	GeneralProductName
Value type	CSProductCharacteristicValueString
Min – max length	1 - 30
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	Finnish National Datapools' 'General Product Name'. Standardized generic names for products.
Example	See below

```
{
  "CSProductCharacteristicCode": "FI_003",
  "CSProductCharacteristicName": [
    {
      "CSProductCharacteristicName": "GeneralProductName"
    }
  ],
  "CSProductCharacteristicValueString": [
    {
      "Language": "en-GB",
      "CSProductCharacteristicValueString": "Cable sleeve"
    },
    {
      "Language": "fi-FI",
      "CSProductCharacteristicValueString": "Johdinholkki"
    }
  ]
}
```


3.9. FR – FRANCE

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.10. HU - HUNGARY

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.11. IT - ITALY

All country specific fields for Italy that have an "E" after the underscore in the code, like "IT_E001" are specifically relevant for the electrical sector. Those that have an "H" after the underscore in the code, like "IT_H001" are specifically relevant for the HVAC and Plumbing sector

Level	TradeItem
'CSItemCharacteristicCode'	IT_E001
'CSItemCharacteristicName'	BARCODE_RECIPROCAL
Value type	CSItemCharacteristicValueSelect
CSProductCharacteristicReferenceGtin	Relevant
Allowed values	"0"; "1"; "2"
Mandatory/optional	Mandatory
Explanation/definition	<p>This field is used to describe all the types of packaging for a product. Taking the carton quantity indicated in the price list as a reference, it is possible to recognize and distinguish in this field the packages of an order:</p> <ul style="list-style-type: none"> - greater RECIPROCAL = 2 - equal RECIPROCAL = 0 - lower RECIPROCAL = 1
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E001",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "BARCODE_RECIPROCAL"
      }
    ],
    "CSItemCharacteristicValueSelect": "1",
    "CSItemCharacteristicReferenceGtin": "80000044323877"
  }
]
  
```

Level	TradItem
'CSItemCharacteristicCode'	IT_E002
'CSItemCharacteristicName'	BARCODE_CAN_BE_OVERTURNED
Value type	CSItemCharacteristicValueBoolean
CSPProductCharacteristicReferenceGtin	Relevant
Allowed values	"true" or "false"
Default	"true"
Mandatory/optional	Optional
Explanation/definition	The information (effectively related more to the type of product than to the type of packaging) indicates to whoever receives the goods if it is possible to overturn the package or not. When the products are cables and are transported as bundles and handled with pallets, and therefore cannot be overturned, it is determined that "false" is equivalent to bundles and "true" to spools. It can be present only if "false", otherwise "true" (can be overturned) is default.
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_E002",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "BARCODE_CAN_BE_OVERTURNED"
    }
  ],
  "CSItemCharacteristicValueBoolean": true,
  "CSItemCharacteristicReferenceGtin": "8000004432877"
},
```

Level	Product
'CSPProductCharacteristicCode'	IT_E003
'CSPProductCharacteristicName'	BARCODE_DATE_INTRODUCED
Value type	CSPProductCharacteristicValueString
Min – max length	8 - 8
Allowed values	date format YYYYMMDD
Mandatory/optional	Optional
Explanation/definition	Only for new products (status = 1 on price list line): this field indicates the date of first availability. The date introduced can be prior to the date of change/addition shown in the barcode header.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSPProductCharacteristicCode": "IT_E003",
    "CSPProductCharacteristicName": [
      {
        "CSPProductCharacteristicName": "BARCODE_DATE_INTRODUCED"
      }
    ],
    "CSPProductCharacteristicValueString": [
      {
        "CSPProductCharacteristicValueString": "20180201"
      }
    ]
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E004
'CSItemCharacteristicName'	ITEM_LEAD_TIME
Value type	CSItemCharacteristicValueSelect
Allowed values	Indication of lead time in number of working days or weeks – see table below
Mandatory/optional	Mandatory
Explanation/definition	This field indicates the time interval (lead time) – expressed in working days or weeks– between the date of receipt of order and consignment to the carrier for orders that are not greater than the amount listed in the field "maximum quantity". The field is described using alphanumeric characters with the values as defined in the table below.

Field value	LEAD DELIVERY TRANSPORT WITHIN (working days/weeks)	Field value	LEAD DELIVERY TRANSPORT WITHIN (working days/weeks)	Field value	LEAD DELIVERY TRANSPORT WITHIN (working days/weeks)	Field value	LEAD DELIVERY TRANSPORT WITHIN (working days/weeks)
1	1 day	A	2 weeks	J	11 weeks	S	20 weeks
2	2 days	B	3 weeks	K	12 weeks	T	21 weeks
3	3 days	C	4 weeks	L	13 weeks	U	22 weeks
4	4 days	D	5 weeks	M	14 weeks	V	23 weeks
5	5 days	E	6 weeks	N	15 weeks	W	24 weeks
6	6 days	F	7 weeks	O	16 weeks	X	25 weeks
7	7 days	G	8 weeks	P	17 weeks	Y	26 weeks
8	8 days	H	9 weeks	Q	18 weeks	Z	27 weeks
9	9 days	I	10 weeks	R	19 weeks		

Example	See below
---------	-----------

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E004",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ITEM_LEAD_TIME"
      }
    ],
    "CSItemCharacteristicValueSelect": "A"
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E005
'CSItemCharacteristicName'	ITEM_ MAXIMUM_ QUANTITY
Value type	CSItemCharacteristicValueNumeric
'CSItemCharacteristicValueUnitCode'	Relevant
Min – max length	1 - 6
Allowed values	Number value with max. 6 digits, no decimals (n6.0)
Mandatory/optional	Mandatory
Explanation/definition	This field must contain the maximum quantity of the product (expressed in the UNIT of MEASURE) that the company is able to delivery within the time defined in the "lead time" field. This amount defines, at the same time, the limit above which the reference delivery terms must be agreed to with the seller.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E005",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ITEM_ MAXIMUM_ QUANTITY"
      }
    ],
    "CSItemCharacteristicValueNumeric": "10000",
    "CSItemCharacteristicValueUnitCode": "C62"
  }
]

```

Level	Product
'CSPProductCharacteristicCode'	IT_E006
'CSPProductCharacteristicName'	ITEM_STATISTICS_RANGE
Value type	CSPProductCharacteristicValueString
Min – max length	1 - 18
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	The statistics ranges represent a set of products for statistical purposes including all products that have the same uniform statistical criteria for the seller
Example	See below

```

"CountrySpecificFields": [
  {
    "CSPProductCharacteristicCode": "IT_E006",
    "CSPProductCharacteristicName": [
      {
        "CSPProductCharacteristicName": "ITEM_STATISTICS_RANGE"
      }
    ],
    "CSPProductCharacteristicValueString": [
      {
        "CSPProductCharacteristicValueString": "C0009"
      }
    ]
  }
]

```


Level	Product
'CSPProductCharacteristicCode'	IT_E007
'CSPProductCharacteristicName'	ITEM_STATISTICS_RANGE_DESC
Value type	CSPProductCharacteristicValueString
Min – max length	1 - 70
Allowed values	No limitations
Mandatory/optional	Optional, conditional: should be delivered if ITEM_STATISTICS_RANGE (IT_006) is delivered.
Explanation/definition	Statistics ranges description
Example	See below

```

"CountrySpecificFields": [
  {
    "CSPProductCharacteristicCode": "IT_E007",
    "CSPProductCharacteristicName": [
      {
        "CSPProductCharacteristicName": "ITEM_STATISTICS_RANGE_DESC"
      }
    ],
    "CSPProductCharacteristicValueString": [
      {
        "CSPProductCharacteristicValueString": "COMPONENTI"
      }
    ]
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E008
'CSProductCharacteristicName'	ITEM_DISCOUNT_RANGE_DESC
Value type	CSItemCharacteristicValueString
Min – max length	1 - 70
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	Discount ranges description. Sets for discount do not explicitly express the discount values applied; rather they refer to a code to be interpreted using a special de-codification table supplied by the seller.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E008",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ITEM_DISCOUNT_RANGE_DESC"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "SPINE E PRESE"
      }
    ]
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E009
'CSItemCharacteristicName'	ITEM_COMPOSITE_ITEM
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Optional
Explanation/definition	This field indicates if the item is a single unit or if it is made of more different items sold together to make a kit or a composite product. It can be present only if "true".
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_E009",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "ITEM_COMPOSITE_ITEM"
    }
  ],
  "CSItemCharacteristicValueBoolean": true
}
```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E010
'CSProductCharacteristicName'	QTYLOGISTIC_INCENTIVE_QUANTITY
Value type	CSItemCharacteristicValueString
Min – max length	1 - 70
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	The quantity to be manipulated for the specified product. Always use the following format: Incentive Quantity, Description of incentive
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E010",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "QTYLOGISTIC_INCENTIVE_QUANTITY"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "100, discount 5% 100"
      }
    ]
  }
]

```

Level	TradeItem
'CSPProductCharacteristicCode'	IT_E011-1
'CSPProductCharacteristicName'	ECOFEE_TYPE_OF_TAX
Value type	CSItemCharacteristicValueString
Min – max length	1 – 20
Allowed values	No limitations
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	Identifies if an item is subject to WEEE or RoHS or other. Always Mandatory both for Visible (not internalized) and NOT Visible fee (internalized)
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-1",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_TYPE_OF_TAX"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "RAEE"
      }
    ]
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E011-2
'CSItemCharacteristicName'	ECOFEE_NET_WEIGHT
Value type	CSItemCharacteristicValueNumeric
'CSItemCharacteristicValueUnitCode'	Relevant
Min – max length	1 - 10
Allowed values	Number value with max. 9 digits incl. 3 decimals (n9.3)
Mandatory/optional	Optional
Explanation/definition	This is the same as the data indicated in the Metel price list. It indicates the net weight of the item unit. If the item has the Visible Fee internalized, this data is optional.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-2",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_NET_WEIGHT"
      }
    ],
    "CSItemCharacteristicValueNumeric": "15300.000",
    "CSItemCharacteristicValueUnitCode": "GRM"
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E011-3
'CSProductCharacteristicName'	ECOFEE_CONSORTIUM
Value type	CSItemCharacteristicValueString
Min – max length	1 – 30
Allowed values	No limitations
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This is the ID code and description of the waste/recycling consortium, for example: ECOLIGHT; ECOLAMP; ECODOM; ECOPED; REMEDIA; RIDOMUS; VALERE; ECORIT; Or other. Always Mandatory both for Visible (not internalized) and NOT Visible fee (internalized)
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-3",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_CONSORTIUM"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "ECOLIGHT"
      }
    ]
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E011-4
'CSProductCharacteristicName'	ECOFEE_FEE_CODE
Value type	CSItemCharacteristicValueString
Min – max length	1 – 30
Allowed values	No limitations
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This is the code assigned by the waste/recycling consortium for the Fees that must be applied to the products (the list must be supplied by the waste consortium). The FEE code must be a unique code for the consortium and must be communicated to Metel. This code allows a unique link to be identified between the consortium and the type of tax. If the item is subject to WEEE but the amount of the FEE is not indicated, "NV" must be entered in the field. Always Mandatory both for Visible (not internalized) and NOT Visible fee (internalized).
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-4",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_FEE_CODE"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "PF01"
      }
    ]
  }
]

```


Level	TradeItem
'CSProductCharacteristicCode'	IT_E011-5
'CSProductCharacteristicName'	ECOFEE_FEE_DESCRIPTION
Value type	CSItemCharacteristicValueString
Min – max length	1 – 70
Allowed values	No limitations
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This is a description of the fee issued by the company that issues the price list. Always Mandatory both for Visible (not internalized) and NOT Visible fee (internalized).
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-5",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_FEE_DESCRIPTION"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "APPARECCHI PER IL CONDIZIONAMENTO"
      }
    ]
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E011-6
'CSItemCharacteristicName'	ECOFEE_FEE_QUANTITY
Value type	CSItemCharacteristicValueNumeric
'CSItemCharacteristicValueUnitCode'	Relevant
Min – max length	1 - 5
Allowed values	Number value with max. 5 digits, no decimals (n5.0)
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This is the number of times the fee must be applied for the specific item number. A typical example is when there are more than one light bulbs for the same light fixture. The unit of measure of the Fee must always refer to the individual unit of the price list, as called for in the order document quantity. The unit of measure is therefore C62 = one (unit). It is Mandatory if the item has the Visible Fee (NOT internalized), otherwise is Optional.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-6",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_FEE_QUANTITY"
      }
    ],
    "CSItemCharacteristicValueNumeric": "150",
    "CSItemCharacteristicValueUnitCode": "C62"
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E011-7
'CSItemCharacteristicName'	ECOFEE_FEE_INDIVIDUAL_AMOUNT
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 9
Allowed values	Number value with max. 8 digits incl. 4 decimals (n8.4)
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	<p>This is the amount in euros of the individual fee applied to the product. If the quantity of the fee is other than 1, the amount that is the product of the multiplication will be expressly indicated on the invoice:</p> <p>Fee Quantity x Fee = Total Fee Applied to Product. It is Mandatory if the item has the Visible Fee (NOT internalized), otherwise is Optional.</p>
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-7",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_FEE_INDIVIDUAL_AMOUNT"
      }
    ],
    "CSItemCharacteristicValueNumeric": "1500.0000"
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	IT_E011-8
'CSItemCharacteristicName'	ECOFEE_FEE_PERCENTAGE
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 8
Allowed values	Number value with max. 7 digits incl. 4 decimals (n7.4)
Mandatory/optional	Optional. It can be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This is the fee percentage in % applied to the product price. This field has been included to complete the file structure, but at this time there are no elements that define its use.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-8",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_FEE_PERCENTAGE"
      }
    ],
    "CSItemCharacteristicValueNumeric": "1.5400"
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E011-9
'CSProductCharacteristicName'	ECOFEE_SUBJECT_TO_VAT_OR_EXEMPT
Value type	CSItemCharacteristicValueString
Min – max length	1 – 3
Allowed values	No limitations
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This identifies the VAT if the fee is subject to VAT. It indicates the VAT rate and is left aligned. If the rate is not specified, the exemption code must be entered. The exemption code/description is shown in the table on the Metel invoice. It will be possible in the future to update the description indicated in the Metel User Manual. Always Mandatory both for Visible (not internalized) and NOT Visible fee (internalized)
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-9",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_SUBJECT_TO_VAT_OR_EXEMPT"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "022"
      }
    ]
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E011-10
'CSProductCharacteristicName'	ECOFEE_MERCHANDISE_CATEGORY
Value type	CSItemCharacteristicValueString
Min – max length	1 – 70
Allowed values	No limitations
Mandatory/optional	Optional. It can be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This field identifies the merchandise category indicated by law.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-10",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_MERCHANDISE_CATEGORY"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "1B"
      }
    ]
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_E011-11
'CSProductCharacteristicName'	ECOFEE_ISCRIPTION_NUMBER
Value type	CSItemCharacteristicValueString
Min – max length	1 – 20
Allowed values	No limitations
Mandatory/optional	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
Explanation/definition	This field identifies the National Registry Inscription number indicated by law. Always Mandatory both for Visible (not internalized) and NOT Visible fee (internalized).
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "IT_E011-11",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "ECOFEE_ISCRIPTION_NUMBER"
      }
    ],
    "CSItemCharacteristicValueString": [
      {
        "CSItemCharacteristicValueString": "1000000000123"
      }
    ]
  }
]

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_H001
'CSProductCharacteristicName'	ACRONYM_BRAND
Value type	CSItemCharacteristicValueString
Min – max length	3 - 3
Allowed values	No limitations – Not relevant
Mandatory/optional	Mandatory
Explanation/definition	The field indicates the brand acronym uniquely assigned by IdroLAB, for the reference market. It is used to make the item code unique in a database where the items of several brands coexist.
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H001",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "ACRONYM_BRAND"
    }
  ],
  "CSItemCharacteristicValueString": [
    {
      "CSItemCharacteristicValueString": "XXX"
    }
  ]
}
```


Level	TradeItem
'CSProductCharacteristicCode'	IT_H002-1
'CSProductCharacteristicName'	LISTPRICE_1CHOICE
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 16
Allowed values	Number value with max. 11 digits incl. 4 decimals (n11.4)
Mandatory/optional	Optional
Explanation/definition	The field indicates the list price for the first-choice selection of the item. Used, for example, in the tile industry.
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H002-1",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "LISTPRICE_1CHOICE"
    }
  ],
  "CSItemCharacteristicValueNumeric": "30.500"
}
```

Level	TradeItem
'CSProductCharacteristicCode'	IT_H002-2
'CSProductCharacteristicName'	LISTPRICE_2CHOICE
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 16
Allowed values	Number value with max. 11 digits incl. 4 decimals (n11.4)
Mandatory/optional	Optional
Explanation/definition	The field indicates the list price for the second-choice selection of the item. Used, for example, in the tile industry.
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H002-2",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "LISTPRICE_2CHOICE"
    }
  ],
  "CSItemCharacteristicValueNumeric": "25.500"
}
```

Level	TradeItem
'CSProductCharacteristicCode'	IT_H002-3
'CSProductCharacteristicName'	LISTPRICE_3CHOICE
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 16
Allowed values	Number value with max. 11 digits incl. 4 decimals (n11.4)
Mandatory/optional	Optional
Explanation/definition	The field indicates the list price for the third-choice selection of the item. Used, for example, in the tile industry.
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H002-3",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "LISTPRICE_3CHOICE"
    }
  ],
  "CSItemCharacteristicValueNumeric": "20.000"
}
```



Level	TradeItem
'CSPProductCharacteristicCode'	IT_H003-1
'CSPProductCharacteristicName'	CONTRIBUTION_CONAI
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Optional
Explanation/definition	The field Indicates if the item is subject to the CONAI environmental contribution (national packaging consortium). For more details: https://www.conai.org/ .
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H003-1",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "CONTRIBUTION_CONAI"
    }
  ],
  "CSItemCharacteristicValueBoolean": true
}
```

Level	TradeItem
'CSProductCharacteristicCode'	IT_H003-2
'CSProductCharacteristicName'	PACKAGING_MATERIAL_CONTRIBUTION_CONAI
Value type	CSItemCharacteristicValueSelect
Allowed values	Steel;Aluminum;Paper;Paper_multimaterial;Wood;Plastic_A;Plastic_B1; Plastic_B2; Plastic_C;Glass
Mandatory/optional	Optional
Explanation/definition	The field indicates the type of packaging material for CONAI contribution, among the permitted values.
Example	See below

```

{
  "CSItemCharacteristicCode": "IT_H003-2",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "PACKAGING_MATERIAL_CONTRIBUTION_CONAI"
    }
  ],
  "CSItemCharacteristicValueSelect": "Steel"
}

```

Level	TradeItem
'CSProductCharacteristicCode'	IT_H003-3
'CSProductCharacteristicName'	PACKAGING_QUANTITY_MATERIAL_CONTRIBUTION_CONAI
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 16
Allowed values	Number value with max. 15 digits incl. 4 decimals (n15.4)
'CSItemCharacteristicValueUnitCode'	"KGM"
Mandatory/optional	Optional
Explanation/definition	The field indicates the quantity of material in packaging for CONAI contribution (in KGM).
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H003-3",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "PACKAGING_QUANTITY_MATERIAL_CONTRIBUTION_CONAI"
    }
  ],
  "CSItemCharacteristicValueNumeric": "15.25"
}
```



Level	TradeItem
'CSProductCharacteristicCode'	IT_H004-1
'CSProductCharacteristicName'	CONTRIBUTION_POLIECO
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Optional
Explanation/definition	The field indicates if the product is subject to the POLIECO contribution. For more details: https://www.polieco.it/Home.aspx .
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H004-1",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "CONTRIBUTION_POLIECO"
    }
  ],
  "CSItemCharacteristicValueBoolean": true
}
```



Level	TradeItem
'CSProductCharacteristicCode'	IT_H004-2
'CSProductCharacteristicName'	QUANTITY_ POLYETHYLENE _CONTRIBUTION_ POLIECO
Value type	CSItemCharacteristicValueNumeric
Min – max length	1 - 16
Allowed values	Number value with max. 15 digits incl. 4 decimals (n15.4)
'CSItemCharacteristicValueUnitCode'	"KGM"
Mandatory/optional	Optional
Explanation/definition	The field indicates the quantity of polyethylene for POLIECO contribution (in KGM).
Example	See below

```
{
  "CSItemCharacteristicCode": "IT_H004-2",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "QUANTITY_ POLYETHYLENE _CONTRIBUTION_ POLIECO"
    }
  ],
  "CSItemCharacteristicValueNumeric": "5.30"
}
```


3.12. NA – NORTH AMERICA (USA/CANADA/MEXICO)

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.13. NL – NETHERLANDS

Level	Product
'CSProductCharacteristicCode'	NL_002-1
'CSProductCharacteristicName'	DIN-number
Value type	CSProductCharacteristicValueString
Min – max length	No limitations
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	Not relevant
Example	This field is used for the Dutch shipbuilding sector

```
"CountrySpecificFields": [
  {
    "CSProductCharacteristicCode": "NL_002-1",
    "CSProductCharacteristicName": [
      {
        "CSProductCharacteristicName": "DIN-number"
      }
    ],
    "CSProductCharacteristicValueString": [
      {
        "CSProductCharacteristicValueString": "1"
      }
    ]
  }
]
```

Level	Product
'CSPProductCharacteristicCode'	NL_002-2
'CSPProductCharacteristicName'	ISO-number
Value type	CSPProductCharacteristicValueString
Min – max length	No limitations
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	Not relevant
Example	This field is used for the Dutch shipbuilding sector

```

"CountrySpecificFields": [
  {
    "CSPProductCharacteristicCode": "NL_002-2",
    "CSPProductCharacteristicName": [
      {
        "CSPProductCharacteristicName": "ISO-number"
      }
    ],
    "CSPProductCharacteristicValueString": [
      {
        "CSPProductCharacteristicValueString": "500"
      }
    ]
  }
]

```

Level	TradeItem
'CSItemCharacteristicCode'	NL_007
'CSItemCharacteristicName'	Delivery time
Value type	CSItemCharacteristicValueRangeLower CSItemCharacteristicValueRangeUpper
'CSItemCharacteristicValueUnitCode'	"WEE"; "DAY"; "HUR"
Min – max length	1 - 1 – Not relevant
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	This field is used to specify the expected minimum and maximum lead time between order and delivery time in weeks, calendar days or hours.
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "NL_007",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "Delivery time"
      }
    ],
    "CSItemCharacteristicValueRangeLower": "1",
    "CSItemCharacteristicValueRangeUpper": "5",
    "CSItemCharacteristicValueUnitCode": "DAY"
  }
]

```

Level	Product
'CSPProductCharacteristicCode'	NL_011
'CSPProductCharacteristicName'	Purchase group
Value type	CSPProductCharacteristicValueString
Min – max length	1 - 50
Allowed values	Should not contain HTML tags, font formatting (bold, italic, underline, ...)
Mandatory/optional	Optional
Explanation/definition	Not relevant
Example	This field describes the purchase group used by the manufacturer, supplier or wholesaler. The purchase group defines a part of the assortment in order to download a selection

```

"CountrySpecificFields": [
  {
    "CSPProductCharacteristicCode": "NL_011",
    "CSPProductCharacteristicName": [
      {
        "CSPProductCharacteristicName": "Purchase group"
      }
    ],
    "CSPProductCharacteristicValueString": [
      {
        "CSPProductCharacteristicValueString": "Bulbs"
      }
    ]
  }
]

```



Level	TradeItem
'CSItemCharacteristicCode'	NL_012
'CSItemCharacteristicName'	Orderable indicator
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Default	"true"
Mandatory/optional	Mandatory
Explanation/definition	Code expressing that the trade item is an orderable unit
Example	See below

```
{
  "CSItemCharacteristicCode": "NL_012",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "Orderable indicator"
    }
  ],
  "CSItemCharacteristicValueBoolean": true
}
```

Level	TradeItem
'CSItemCharacteristicCode'	NL_014
'CSItemCharacteristicName'	Fragile on package
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Mandatory/optional	Optional
Explanation/definition	Code that indicates whether the package contains fragile product(s)
Example	See below

```
{
  "CSItemCharacteristicCode": "NL_014",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "Fragile on package"
    }
  ],
  "CSItemCharacteristicValueBoolean": true
}
```



Level	TradeItem
'CSItemCharacteristicCode'	NL_015
'CSItemCharacteristicName'	Best before date on package
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Mandatory/optional	Optional
Explanation/definition	This field indicates whether product has a "best before date"
Example	See below

```
{
  "CSItemCharacteristicCode": "NL_015",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "Best before date on package"
    }
  ],
  "CSItemCharacteristicValueBoolean": false
}
```


Level	TradeItem
'CSItemCharacteristicCode'	NL_016-1
'CSItemCharacteristicName'	Cuttable indicator
Value type	CSItemCharacteristicValueBoolean
Allowed values	"true" or "false"
Mandatory/optional	Optional
Explanation/definition	This field indicates whether the product is cuttable, if you choose "true" (yes), then you have to fill in NL_016-2 Maximum cutting length.
Example	See below

```
{
  "CSItemCharacteristicCode": "NL_016-1",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "Cuttable indicator"
    }
  ],
  "CSItemCharacteristicValueBoolean": false
}
```

Level	TradeItem
'CSItemCharacteristicCode'	NL_016-2
'CSItemCharacteristicName'	Maximum cutting length
Value type	CSItemCharacteristicValueNumeric
'CSItemCharacteristicValueUnitCode'	"CMT"; "MMT"; "MTR"
Allowed values	No limitations
Mandatory/optional	Optional
Explanation/definition	The maximum length in which a product can be cut
Example	See below

```

"CountrySpecificFields": [
  {
    "CSItemCharacteristicCode": "NL_016-2",
    "CSItemCharacteristicName": [
      {
        "CSItemCharacteristicName": "Maximum cutting length"
      }
    ],
    "CSItemCharacteristicValueNumeric": "20",
    "CSItemCharacteristicValueUnitCode": "CMT"
  }
]

```



Level	TradeItem
'CSItemCharacteristicCode'	NL_018
'CSItemCharacteristicName'	Code VAT rate
Value type	CSItemCharacteristicValueString
Min – max length	1 - 1
Allowed values	E (exempt from VAT); S (standard VAT)
Mandatory/optional	Optional
Explanation/definition	This field indicates the VAT category
Example	See below

```
"CountrySpecificFields": [  
  {  
    "CSItemCharacteristicCode": "NL_018",  
    "CSItemCharacteristicName": [  
      {  
        "CSItemCharacteristicName": "Code VAT rate"  
      }  
    ],  
    "CSItemCharacteristicValueString": [  
      {  
        "CSItemCharacteristicValueString": "S"  
      }  
    ]  
  }  
]
```

3.14. NO – NORWAY

Level	Product
'CSPProductCharacteristicCode'	NO_EFO_001
'CSPProductCharacteristicName'	ELNUMMER
Value type	CSPProductCharacteristicValueString
Min – max length	7-7
Allowed values	[0-9]{7,7}
Default	Not relevant
Mandatory/optional	Mandatory
Explanation/definition	Norwegian electrical number, a unique identifier used to register and identify electrical products and components
Example	See below

```
{
  "CSPProductCharacteristicCode": "NO_EFO_001",
  "CSPProductCharacteristicName": [
    {
      "CSPProductCharacteristicName": "ELNUMMER"
    }
  ],
  "CSPProductCharacteristicValueString": [
    {
      "CSPProductCharacteristicValueString": "1000000"
    }
  ]
},
```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_002
'CSProductCharacteristicName'	SOLD_TO_WHOLESALE
Value type	CSItemCharacteristicValueBoolean
Min – max length	Not relevant
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Mandatory
Explanation/definition	The specific product is sold to a wholesaler
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_002",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "SOLD_TO_WHOLESALE"
    }
  ],
  "CSItemCharacteristicValueBoolean": true
}
```



Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_003
'CSProductCharacteristicName'	PRODUCT_NAME_VERY_SHORT
Value type	CSItemCharacteristicValueString
Min – max length	0 - 80
Allowed values	No limitations
Default	Not relevant
Mandatory/optional	Mandatory
Explanation/definition	Product Description: Standardized Text Preferred
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_003",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "PRODUCT_NAME_VERY_SHORT"
    }
  ],
  "CSItemCharacteristicValueString": [
    {
      "CSItemCharacteristicValueString": "Test product"
    }
  ]
},
```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_004
'CSProductCharacteristicName'	BLOKKNUMMER
Value type	CSItemCharacteristicValueSelect
Min – max length	6-6
Allowed values	See allowed values at: Lenke til blokknummerliste
Default	Not relevant
Mandatory/optional	Mandatory
Explanation/definition	EFO's own block number list structure that describes the various product groups
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_004",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "BLOKKNUMMER"
    }
  ],
  "CSItemCharacteristicValueSelect": "011101"
},
```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_005
'CSProductCharacteristicName'	NO_CUSTOMS_NUMBER
Value type	CSItemCharacteristicValueSelect
Min – max length	8-8
Allowed values	See registry for Norwegian customs numbers:
Default	Not relevant
Mandatory/optional	Optional
Explanation/definition	Norwegian customs tariff numbers that are used to classify goods for import and export purposes
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_005",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "NO_CUSTOMS_NUMBER"
    }
  ],
  "CSItemCharacteristicValueSelect": "85362000"
}.
```


Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_006
'CSProductCharacteristicName'	PRODUCT_DATA_TEMPLATE
Value type	CSItemCharacteristicValueString
Min – max length	36-36
Allowed values	Not relevant
Default	Not relevant
Mandatory/optional	Optional
Explanation/definition	A product data sheet provides detailed technical specifications and essential information about a product's features, usage, and safety guidelines.
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_006",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "PRODUCT_DATA_TEMPLATE"
    }
  ],
  "CSItemCharacteristicValueString": [
    {
      "CSItemCharacteristicValueString": "e00facf0-0242-48ad-9ef4-bb5bbbee83ef7"
    }
  ]
},
```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_007
'CSProductCharacteristicName'	REACH_RELEVANT_ANNEX_XIV
Value type	CSItemCharacteristicValueBoolean
Min – max length	Not relevant
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Optional
Explanation/definition	The product complies with REACH Annex XIV.
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_007",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "REACH_RELEVANT_ANNEX_XIV"
    }
  ],
  "CSItemCharacteristicValueBoolean": false
}
```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_008
'CSProductCharacteristicName'	REACH_RELEVANT_ANNEX_XVII
Value type	CSItemCharacteristicValueBoolean
Min – max length	Not relevant
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Optional
Explanation/definition	The product complies with REACH Annex XVII.
Example	See below

```

{
  "CSItemCharacteristicCode": "NO_EFO_008",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "REACH_RELEVANT_ANNEX_XVII"
    }
  ],
  "CSItemCharacteristicValueBoolean": false
}

```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_009
'CSProductCharacteristicName'	REACH_RELEVANT_ARTICLE_59
Value type	CSItemCharacteristicValueBoolean
Min – max length	Not relevant
Allowed values	"true" or "false"
Default	"false"
Mandatory/optional	Optional
Explanation/definition	The product contains substances that are regulated under the REACH chemical regulation
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_009",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "REACH_RELEVANT_ARTICLE_59"
    }
  ],
  "CSItemCharacteristicValueBoolean": false
}
```

Level	Tradeitem
'CSProductCharacteristicCode'	NO_EFO_010
'CSProductCharacteristicName'	CAS_NUMBER
Value type	CSItemCharacteristicValueSet
Min – max length	36-36
Allowed values	Not relevant
Default	Not relevant
Mandatory/optional	Optional
Explanation/definition	The Chemical Abstracts Service Number (CAS) is a unique identifier assigned to chemical compounds by the Chemical Abstracts Service; used globally to identify chemical substances
Example	See below

```
{
  "CSItemCharacteristicCode": "NO_EFO_010",
  "CSItemCharacteristicName": [
    {
      "CSItemCharacteristicName": "CAS_NUMBER"
    }
  ],
  "CSItemCharacteristicValueString": [
    {
      "CSItemCharacteristicValueString": "3896-11-5"
    }
  ]
}
```

3.15. PL – POLAND

Level	Product
'CSItemCharacteristicCode'	PL_PKWIU
'CSItemCharacteristicName'	PKWIU 2015
Value type	CSProductCharacteristicValueString
Min – max length	10 - 10
Allowed values	Pattern: [0-9]{2}[.][0-9]{2}[.][0-9]{2}[.][0-9]{1}
Mandatory/optional	Mandatory
Explanation/definition	Should contain the PKWIU code related to the product
Example	See below

```
{
  "CSProductCharacteristicCode": "PL_PKWIU",
  "CSProductCharacteristicName": [
    {
      "CSProductCharacteristicName": "PKWIU 2015"
    }
  ],
  "CSProductCharacteristicValueString": [
    {
      "CSProductCharacteristicValueString": "12.34.56.7"
    }
  ]
}
```



3.16. PT – PORTUGAL

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.17. SE - SWEDEN

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.18. SI - SLOVENIA

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

3.19. UK – UNITED KINGDOM

No country specific fields for this version 1.1 of the ETIM xChange Guidelines.

4. CountrySpecificExtensions

4.1. AT- AUSTRIA

The material surcharges, depending on current raw material prices, are shown in a country specific extension.

For each material, the mapping takes place via a separate object, which contains all the information for calculating the material surcharge.

In the case of multiple material surcharges being relevant, this object can be repeated.

Level	TradelItem
Objectname	MaterialSurcharge
Mandatory/optional	Optional
Explanation/definition	Structure for material surcharge
Example	See below

FIELD NAME	Material
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Mandatory
MIN - MAX LENGTH	1-20
ALLOWED VALUES	<ul style="list-style-type: none"> - copper - MK copper (= processed copper) - aluminum - lead - silver - brass - gold - platinum
DEFINITION	Type of the material
Example	See below

FIELD NAME	Manner
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Mandatory
MIN - MAX LENGTH	-
ALLOWED VALUES	<ul style="list-style-type: none"> - "base" - "cumulated"
DEFINITION	<p>Manner of surcharge base / cumulated.</p> <p>„base“ is the value calculated by the Tradelttem price.</p> <p>“cumulated“ is suitable when an up- or down stroke is already made by an additional surcharge.</p>
Example	See below

FIELD NAME	Percentage
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	<p>On the product price, a percentage surcharge is calculated.</p> <p>Example: 0.05 (corresponds to 5%)</p> <p>This must not be given if material weight is specified.</p> <p>If a step size is specified either the surcharge factor or the surcharge price amount must be indicated.</p>
Example	See below

FIELD NAME	PriceAmount
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	<p>On the product price, a surcharge price amount is calculated.</p> <p>Example: 0.02 (corresponds to 2 cents)</p> <p>This must not be given if material weight is specified.</p> <p>If a step size is specified either the surcharge price amount or the surcharge factor must be indicated.</p>
Example	See below

FIELD NAME	Calculation
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	-
ALLOWED VALUES	- gross price - net price
DEFINITION	Describes if the surcharge that is indicated at Percentage must be calculated on base of the gross list price or the net price. If no value is given, the gross price will be assumed. This only has to be declared if "Percentage" is given.
Example	See below

FIELD NAME	MaterialBasis
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Mandatory
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	An amount in €/100 kg, basic quotation of the primary material is already included in the price. Example: Flexible cable CU 150€/100kg Medium voltage power cable CU 1000€/100kg (respectively another currency depending on the country)
Example	See below

FIELD NAME	MaterialBasisWeight
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	Material weight for the surcharge in gram/price reference quantity (TradeItem / Pricing / PriceQuantity). This must not be given if step size is specified.
Example	See below

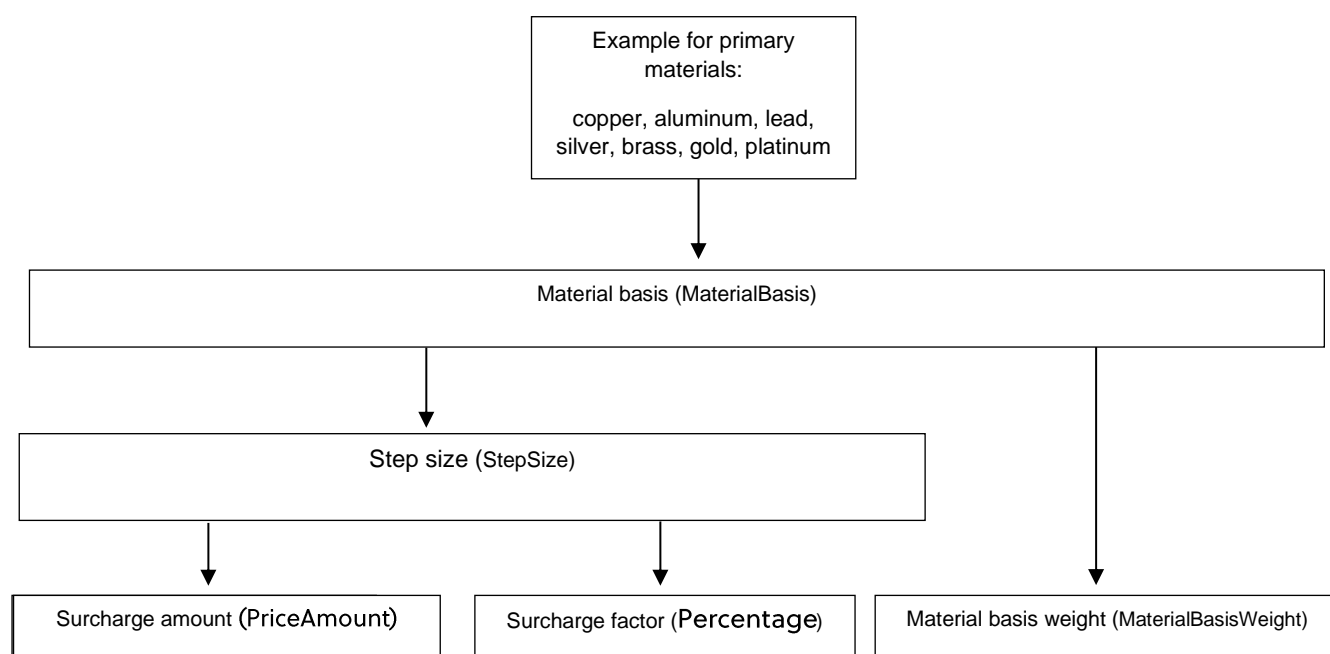
FIELD NAME	StepSize
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	Step size as triggering moment for the calculation of the surcharge with surcharge factor or amount. This must not be given if material weight is specified. If this value is indicated, Percentage or PriceAmount must be specified.
Example	See below

FIELD NAME	MaterialBasisSurchargeShutter
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	-
ALLOWED VALUES	1 = per started 2 = per finished
DEFINITION	Description at which point the step is triggered: 1 = per started 2 = per finished if no value is indicated, finished step (2) will be assumed
Example	See below

FIELD NAME	SurchargeCredit
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	-
ALLOWED VALUES	1 = only surcharge 2 = surcharge/credit
DEFINITION	Describes if only a surcharge or a surcharge/credit takes place: 1 = only surcharge 2 = surcharge/credit if no value is indicated, surcharge (1) will be assumed
Example	See below

FIELD NAME	SurchargeTable
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-50
ALLOWED VALUES	-
DEFINITION	Information about the reference to a surcharge table of a product
Example	See below

Graphical illustration of the material surcharges and the relation between the elements



Examples

Surcharge in percentage with step sizes (e.g. 5 %)

Surcharge takes place, if the silver price rises by more than 50 € by comparison to the mentioned price in the material basis (finished step).

This means, at a basis of 150 and 5% surcharge per finished step of 50.00 €:

- starting from 200 = 5% surcharge
- starting from 250 = 10% surcharge
- starting from 300 = 15% surcharge
- starting from 350 = 20% surcharge etc.

```
"MaterialSurcharge": [
{
  "Material": "silver",
  "Manner": "base",
  "Percentage": "0.05",
  "Calculation": "1",
  "MaterialBasis": "150",
  "StepSize": "50",
  "MaterialBasisSurchargeShutter": "2",
  "SurchargeCredit": "1"
}
]
```

Surcharge weight with basis

According to metal figures have to be indicated as “gram per PriceQuantity of the OrderUnit”. That unusual size within the cable industry is a result of ELDANORM.

Example for PriceQuantity = 1.000 (OrderUnit = meter)

```
"MaterialSurcharge": [
{
  "Material": "copper",
  "Manner": "base",
  "MaterialBasis": "150",
  "MaterialBasisWeight": "43000"
}
]
```

Example for PriceQuantity = 100 (OrderUnit = meter)

```
"MaterialSurcharge": [
{
  "Material": "copper",
  "Manner": "base",
  "MaterialBasis": "150",
  "MaterialBasisWeight": "4300"
}
]
```

Surcharge in percentage with step sizes and weight with basis

Surcharge takes place, if the silver price rises by 1.00 € (started step) by comparison to the mentioned price in the material basis. If it declines 1.00 € below, a credit will be made.

This means, at a basis of 150 and 5 % surcharge per started step of 50.00 €:

- starting from 151 = 5% surcharge
- starting from 201 = 10% surcharge
- starting from 251 = 15% surcharge
- starting from 301 = 20% surcharge etc. (credit corresponding)

```
"MaterialSurcharge": [
{
  "Material": "silver",
  "Manner": "base",
  "Percentage": "0.05",
  "Calculation": "1",
  "MaterialBasis": "150",
  "StepSize": "50",
  "MaterialBasisSurchargeShutter": "1",
  "SurchargeCredit": "2"
},
{
  "Material": "copper",
  "Manner": "base",
  "MaterialBasis": "150",
  "MaterialBasisWeight": "110"
}
]
```

4.2. AU/NZ – AUSTRALIA/NEW ZEALAND

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.3. BE – BELGIUM

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.4. CH - SWITZERLAND

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.5. DE - GERMANY

The material surcharges, depending on current raw material prices, are shown in a country specific extension.

For each material, the mapping takes place via a separate object, which contains all the information for calculating the material surcharge.

In the case of multiple material surcharges being relevant, this object can be repeated.

Level	TradelItem
Objectname	MaterialSurcharge
Mandatory/optional	Optional
Explanation/definition	Structure for material surcharge
Example	See below

FIELD NAME	Material
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Mandatory
MIN - MAX LENGTH	1-20
ALLOWED VALUES	<ul style="list-style-type: none"> - copper - MK copper (= processed copper) - aluminum - lead - silver - brass - gold - platinum
DEFINITION	Type of the material
Example	See below

FIELD NAME	Manner
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Mandatory
MIN - MAX LENGTH	-
ALLOWED VALUES	<ul style="list-style-type: none"> - "base" - "cumulated"
DEFINITION	<p>Manner of surcharge base / cumulated.</p> <p>„base“ is the value calculated by the TradelItem price.</p> <p>“cumulated“ is suitable when an up- or down stroke is already made by an additional surcharge.</p>
Example	See below

FIELD NAME	Percentage
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	On the product price, a percentage surcharge is calculated. Example: 0.05 (corresponds to 5%) This must not be given if material weight is specified. If a step size is specified either the surcharge factor or the surcharge price amount must be indicated.
Example	See below

FIELD NAME	PriceAmount
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	On the product price, a surcharge price amount is calculated. Example: 0.02 (corresponds to 2 cents) This must not be given if material weight is specified. If a step size is specified either the surcharge price amount or the surcharge factor must be indicated.
Example	See below

FIELD NAME	Calculation
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	-
ALLOWED VALUES	- gross price - net price
DEFINITION	Describes if the surcharge that is indicated at Percentage must be calculated on base of the gross list price or the net price. If no value is given, the gross price will be assumed. This only has to be declared if "Percentage" is given.
Example	See below

FIELD NAME	MaterialBasis
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Mandatory
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	An amount in €/100 kg, basic quotation of the primary material is already included in the price. Example: Flexible cable CU 150€/100kg Medium voltage power cable CU 1000€/100kg (respectively another currency depending on the country)
Example	See below

FIELD NAME	MaterialBasisWeight
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	Material weight for the surcharge in gram/price reference quantity (TradItem / Pricing / PriceQuantity). This must not be given if step size is specified.
Example	See below

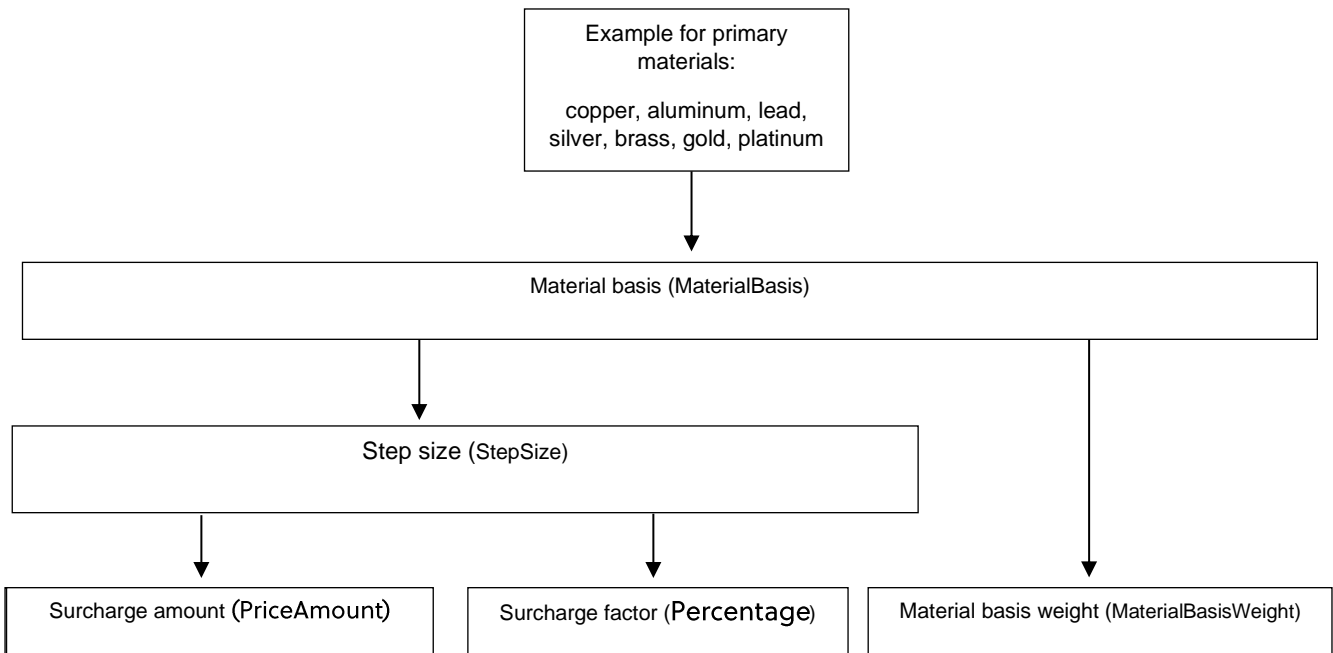
FIELD NAME	StepSize
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.]{0,1}[0-9]{0,4}
DEFINITION	Step size as triggering moment for the calculation of the surcharge with surcharge factor or amount. This must not be given if material weight is specified. If this value is indicated, Percentage or PriceAmount must be specified.
Example	See below

FIELD NAME	MaterialBasisSurchargeShutter
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	-
ALLOWED VALUES	1 = per started 2 = per finished
DEFINITION	Description at which point the step is triggered: 1 = per started 2 = per finished if no value is indicated, finished step (2) will be assumed
Example	See below

FIELD NAME	SurchargeCredit
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	-
ALLOWED VALUES	1 = only surcharge 2 = surcharge/credit
DEFINITION	Describes if only a surcharge or a surcharge/credit takes place: 1 = only surcharge 2 = surcharge/credit if no value is indicated, surcharge (1) will be assumed
Example	See below

FIELD NAME	SurchargeTable
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	Single
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-50
ALLOWED VALUES	-
DEFINITION	Information about the reference to a surcharge table of a product
Example	See below

Graphical illustration of the material surcharges and the relation between the elements



Examples

Surcharge in percentage with step sizes (e.g. 5 %)

Surcharge takes place, if the silver price rises by more than 50 € by comparison to the mentioned price in the material basis (finished step).

This means, at a basis of 150 and 5% surcharge per finished step of 50.00 €:

- starting from 200 = 5% surcharge
- starting from 250 = 10% surcharge
- starting from 300 = 15% surcharge
- starting from 350 = 20% surcharge etc.

```
"MaterialSurcharge": [
{
  "Material": "silver",
  "Manner": "base",
  "Percentage": "0.05",
  "Calculation": "1",
  "MaterialBasis": "150",
  "StepSize": "50",
  "MaterialBasisSurchargeShutter": "2",
  "SurchargeCredit": "1"
}
]
```

Surcharge weight with basis

According to metal figures have to be indicated as “gram per PriceQuantity of the OrderUnit”. That unusual size within the cable industry is a result of ELDANORM.

Example for PriceQuantity = 1.000 (OrderUnit = meter)

```
"MaterialSurcharge": [
{
  "Material": "copper",
  "Manner": "base",
  "MaterialBasis": "150",
  "MaterialBasisWeight": "43000"
}
]
```

Example for PriceQuantity = 100 (OrderUnit = meter)

```
"MaterialSurcharge": [
{
  "Material": "copper",
  "Manner": "base",
  "MaterialBasis": "150",
  "MaterialBasisWeight": "4300"
}
]
```

Surcharge in percentage with step sizes and weight with basis

Surcharge takes place, if the silver price rises by 1.00 € (started step) by comparison to the mentioned price in the material basis. If it declines 1.00 € below, a credit will be made.

This means, at a basis of 150 and 5 % surcharge per started step of 50.00 €:

- starting from 151 = 5% surcharge
- starting from 201 = 10% surcharge
- starting from 251 = 15% surcharge
- starting from 301 = 20% surcharge etc. (credit corresponding)

```
"MaterialSurcharge": [
{
  "Material": "silver",
  "Manner": "base",
  "Percentage": "0.05",
  "Calculation": "1",
  "MaterialBasis": "150",
  "StepSize": "50",
  "MaterialBasisSurchargeShutter": "1",
  "SurchargeCredit": "2"
},
{
  "Material": "copper",
  "Manner": "base",
  "MaterialBasis": "150",
  "MaterialBasisWeight": "110"
}
]
```

4.6. DK - DENMARK

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.7. ES - SPAIN

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.8. FI - FINLAND

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.9. FR – FRANCE

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.10. HU - HUNGARY

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.11. IT - ITALY

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.12. NA – NORTH AMERICA (USA/CANADA/MEXICO)

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.13. NL – NETHERLANDS

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.14. NO - NORWAY

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.15. PL - POLAND

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.16. PT – PORTUGAL

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.17. SE - SWEDEN

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.18. SI - SLOVENIA

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

4.19. UK – UNITED KINGDOM

No country specific extensions for this version 1.1 of the ETIM xChange Guidelines.

5. Change log to previous version

In this chapter, all relevant (future) changes between versions of this guideline will be described.

Version 1.1 (changes listed compared to version 1.0)

- Added country specific regulations (chapter 2.1) and country specific extensions (chapter 4.1) for Austria.
- Added country specific fields (chapter 3.14) for the electrotechnical sector in Norway.
- Some small textual corrections in chapter 2.5, country specific regulations for Germany.
- Added country specific fields for the HVAC and plumbing sector in Italy (chapter 3.11)
- Corrected notation of true/false for Boolean fields in examples (without “ ” which suggests a string value)