



**ETIM**  
*International*

The international classification  
standard for technical products



## ETIM xChange - country specific regulations and fields

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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:

1. Make (internationally) optional fields mandatory at local level.
2. Define country specific regulations for the use of specific fields
3. Define country specific fields (using predefined elements)
4. 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](http://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](http://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

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

### 2.2. AU/NZ – AUSTRALIA/NEW ZEALAND

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

### 2.3. BE – BELGIUM

No country specific regulations for this version 1.0 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 FullProductDescription.  
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.

### MIME elements

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 100m ring	NYJ-J 3x1.5 exact 500 m non- returnable reel	NYJ-J 3x1.5 exact 3,000 m returnable drum	NAYCWY 3x120 approx. 500 m returnable drum	NAYCWY 3x120 cutting length
<b>Product / ProductDescriptions</b>					
UniqueMainProductDescription	NYM-J 3x1.5	NYJ-J 3x1.5		NAYCWY 3x120	
FullProductDescription	see below	see below		see below	
<b>Tradeltem / ItemDescriptions</b>					
MinimalItemDescription	NYM-J 3x1.5  100m ring	NYJ-J 3x1.5  exact 500 m non- returnable reel	NYJ-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
<b>Tradeltem / Ordering</b>					
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
<b>Tradeltem / Pricing</b>					
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
<b>Tradeltem / LogisticDetails</b>					
Net weight (BaseltemNetWeight)	0.11	0.11	0.176	2.660	2.660
<b>Tradeltem / CountrySpecificExtensions</b>					



	<b>NYM-J 3x1.5 100m ring</b>	<b>NYY-J 3x1.5 exact 500 m non- returnable reel</b>	<b>NYY-J 3x1.5 exact 3,000 m returnable drum</b>	<b>NAYCWY 3x120 approx. 500 m returnable drum</b>	<b>NAYCWY 3x120 cutting length</b>
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
<b>PackagingUnit (1 of n)</b>					
Packaging quantity (PackagingQuantity)	100	500	3000	500	
Packing unit code (PackagingTypeCode)	RG	CL	DR	DR	
<b>PackagingUnit (2 of n)</b>					
Packaging quantity (PackagingQuantity)	4800	2000		1000	
Packing unit code (PackagingTypeCode)	PF	PF		PF	

**Explanation on the separate sample data:**

<b>Product / ProductDescriptions</b>	
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.  <b>Examples:</b>  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.  <b>Example:</b>  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.

<b>Tradeltem / Ordering</b>	
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 it is "500" (500 meters).

<b>Tradeltem / CountrySpecificExtensions</b>	
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)	<i>No value has to be entered.</i>
Price amount (PriceAmount)	<i>No value has to be entered.</i>
Material basis (MaterialBasis)	The metal quotation that is already charged in the price has to be given, e.g.: - "000" for hollow prices



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

## 2.6. DK - DENMARK

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.7. ES - SPAIN

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.8. FI - FINLAND

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.9. FR – FRANCE

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.10. HU - HUNGARY

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.11. IT - ITALY

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

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

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.13. NL - NETHERLANDS

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.14. NO - NORWAY

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.15. PL - POLAND

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.16. PT – PORTUGAL

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.17. SE - SWEDEN

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.18. SI - SLOVENIA

No country specific regulations for this version 1.0 of the ETIM xChange Guidelines.

## 2.19. UK – UNITED KINGDOM

No country specific regulations for this version 1.0 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 1.0 of the ETIM xChange Guidelines.

### 3.3. BE – BELGIUM

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.



### 3.4. CH – SWITZERLAND

Level	Trade item
'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	Trade item
'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"
}
```



Level	Trade item
'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	Trade item
'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

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

```

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

```

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

```

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

```

### 3.6. DK - DENMARK

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

### 3.7. ES - SPAIN

No country specific fields for this version 1.0 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"
    }
  ]
},
```



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

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

<b>Level</b>	Product
<b>'CSProductCharacteristicCode'</b>	FI_003
<b>'CSProductCharacteristicName'</b>	GeneralProductName
<b>Value type</b>	CSProductCharacteristicValueString
<b>Min – max length</b>	1 - 30
<b>Allowed values</b>	No limitations
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	Finnish National Datapools' 'General Product Name'. Standardized generic names for products.
<b>Example</b>	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 1.0 of the ETIM xChange Guidelines.

### 3.10. HU - HUNGARY

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

### 3.11. IT - ITALY

All country specific fields for Italy that have an "E" after the underscore in the cope, like "IT\_E001" are specifically relevant for the electrical sector.

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E001
<b>'CSItemCharacteristicName'</b>	BARCODE_RECIPROCAL
<b>Value type</b>	CSItemCharacteristicValueSelect
<b>CSPProductCharacteristicReferenceGtin</b>	Relevant
<b>Allowed values</b>	"0", "1", "2"
<b>Mandatory/optional</b>	Mandatory
<b>Explanation/definition</b>	<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"> <li>-greater RECIPROCAL = 2</li> <li>-equal RECIPROCAL = 0</li> <li>-lower RECIPROCAL = 1</li> </ul>
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E002
<b>'CSItemCharacteristicName'</b>	BARCODE_CAN_BE_OVERTURNED
<b>Value type</b>	CSItemCharacteristicValueBoolean
<b>CSPProductCharacteristicReferenceGtin</b>	Relevant
<b>Allowed values</b>	"true" or "false"
<b>Default</b>	"true"
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	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.
<b>Example</b>	See below

```

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

```

<b>Level</b>	Product
<b>'CSPProductCharacteristicCode'</b>	IT_E003
<b>'CSPProductCharacteristicName'</b>	BARCODE_DATE_INTRODUCED
<b>Value type</b>	CSPProductCharacteristicValueString
<b>Min – max length</b>	8 - 8
<b>Allowed values</b>	date format YYYYMMDD
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	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.
<b>Example</b>	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
'CSProductCharacteristicCode'	IT_E006
'CSProductCharacteristicName'	ITEM_STATISTICS_RANGE
Value type	CSProductCharacteristicValueString
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": [  
  {  
    "CSProductCharacteristicCode": "IT_E006",  
    "CSProductCharacteristicName": [  
      {  
        "CSProductCharacteristicName": "ITEM_STATISTICS_RANGE"  
      }  
    ],  
    "CSProductCharacteristicValueString": [  
      {  
        "CSProductCharacteristicValueString": "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"  
      }  
    ]  
  }  
]
```

<b>Level</b>	TradeItem
<b>'CSProductCharacteristicCode'</b>	IT_E008
<b>'CSProductCharacteristicName'</b>	ITEM_DISCOUNT_RANGE_DESC
<b>Value type</b>	CSItemCharacteristicValueString
<b>Min – max length</b>	1 - 70
<b>Allowed values</b>	No limitations
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	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.
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E009
<b>'CSItemCharacteristicName'</b>	ITEM_COMPOSITE_ITEM
<b>Value type</b>	CSItemCharacteristicValueBoolean
<b>Allowed values</b>	"true" or "false"
<b>Default</b>	"false"
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	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".
<b>Example</b>	See below

```

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

```

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

```

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

```

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

```

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

```

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E011-2
<b>'CSItemCharacteristicName'</b>	ECOFEE_NET_WEIGHT
<b>Value type</b>	CSItemCharacteristicValueNumeric
<b>'CSItemCharacteristicValueUnitCode'</b>	Relevant
<b>Min – max length</b>	1 - 10
<b>Allowed values</b>	Number value with max. 9 digits incl. 3 decimals (n9.3)
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	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.
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSProductCharacteristicCode'</b>	IT_E011-3
<b>'CSProductCharacteristicName'</b>	ECOFEE_CONSORTIUM
<b>Value type</b>	CSItemCharacteristicValueString
<b>Min – max length</b>	1 – 30
<b>Allowed values</b>	No limitations
<b>Mandatory/optional</b>	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	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)
<b>Example</b>	See below

```

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

```



<b>Level</b>	TradeItem
<b>'CSProductCharacteristicCode'</b>	IT_E011-4
<b>'CSProductCharacteristicName'</b>	ECOFEE_FEE_CODE
<b>Value type</b>	CSItemCharacteristicValueString
<b>Min – max length</b>	1 – 30
<b>Allowed values</b>	No limitations
<b>Mandatory/optional</b>	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	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).
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSProductCharacteristicCode'</b>	IT_E011-5
<b>'CSProductCharacteristicName'</b>	ECOFEE_FEE_DESCRIPTION
<b>Value type</b>	CSItemCharacteristicValueString
<b>Min – max length</b>	1 – 70
<b>Allowed values</b>	No limitations
<b>Mandatory/optional</b>	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	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).
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E011-6
<b>'CSItemCharacteristicName'</b>	ECOFEE_FEE_QUANTITY
<b>Value type</b>	CSItemCharacteristicValueNumeric
<b>'CSItemCharacteristicValueUnitCode'</b>	Relevant
<b>Min – max length</b>	1 - 5
<b>Allowed values</b>	Number value with max. 5 digits, no decimals (n5.0)
<b>Mandatory/optional</b>	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	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.
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E011-7
<b>'CSItemCharacteristicName'</b>	ECOFEE_FEE_INDIVIDUAL_AMOUNT
<b>Value type</b>	CSItemCharacteristicValueNumeric
<b>Min – max length</b>	1 - 9
<b>Allowed values</b>	Number value with max. 8 digits incl. 4 decimals (n8.4)
<b>Mandatory/optional</b>	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	<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>
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	IT_E011-8
<b>'CSItemCharacteristicName'</b>	ECOFEE_FEE_PERCENTAGE
<b>Value type</b>	CSItemCharacteristicValueNumeric
<b>Min – max length</b>	1 - 8
<b>Allowed values</b>	Number value with max. 7 digits incl. 4 decimals (n7.4)
<b>Mandatory/optional</b>	Optional. It can be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	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.
<b>Example</b>	See below

```

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

```

<b>Level</b>	TradeItem
<b>'CSProductCharacteristicCode'</b>	IT_E011-9
<b>'CSProductCharacteristicName'</b>	ECOFEE_SUBJECT_TO_VAT_OR_EXEMPT
<b>Value type</b>	CSItemCharacteristicValueString
<b>Min – max length</b>	1 – 3
<b>Allowed values</b>	No limitations
<b>Mandatory/optional</b>	Optional, conditional. It should be present if an item is subject to WEEE or RoHS or other.
<b>Explanation/definition</b>	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)
<b>Example</b>	See below

```

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

```

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

```

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

```

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

```

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

```



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

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

### 3.13. NL – NETHERLANDS

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

```

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

```

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

```

"CountrySpecificFields": [
  {
    "CSProductCharacteristicCode": "NL_002-2",
    "CSProductCharacteristicName": [
      {
        "CSProductCharacteristicName": "ISO-number"
      }
    ],
    "CSProductCharacteristicValueString": [
      {
        "CSProductCharacteristicValueString": "500"
      }
    ]
  }
]

```



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

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

<b>Level</b>	Product
<b>'CSPProductCharacteristicCode'</b>	NL_011
<b>'CSPProductCharacteristicName'</b>	Purchase group
<b>Value type</b>	CSPProductCharacteristicValueString
<b>Min – max length</b>	1 - 50
<b>Allowed values</b>	Should not contain HTML tags, font formatting (bold, italic, underline, ...)
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	Not relevant
<b>Example</b>	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"
      }
    ]
  }
]

```

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

```

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

```

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

```

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

```

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

```

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

```



<b>Level</b>	TradeItem
<b>'CSItemCharacteristicCode'</b>	NL_016-1
<b>'CSItemCharacteristicName'</b>	Cuttable indicator
<b>Value type</b>	CSItemCharacteristicValueBoolean
<b>Allowed values</b>	"true" or "false"
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	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.
<b>Example</b>	See below

```

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

```

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

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

### 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 1.0 of the ETIM xChange Guidelines.

### 3.17. SE - SWEDEN

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

### 3.18. SI - SLOVENIA

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

### 3.19. UK – UNITED KINGDOM

No country specific fields for this version 1.0 of the ETIM xChange Guidelines.

## 4. CountrySpecificExtensions

### 4.1. AT- AUSTRIA

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

### 4.2. AU/NZ – AUSTRALIA/NEW ZEALAND

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

### 4.3. BE – BELGIUM

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

### 4.4. CH - SWITZERLAND

No country specific extensions for this version 1.0 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	TradItem
<b>Objectname</b>	MaterialSurcharge
<b>Mandatory/optional</b>	Optional
<b>Explanation/definition</b>	Structure for material surcharge
<b>Example</b>	See below

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

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

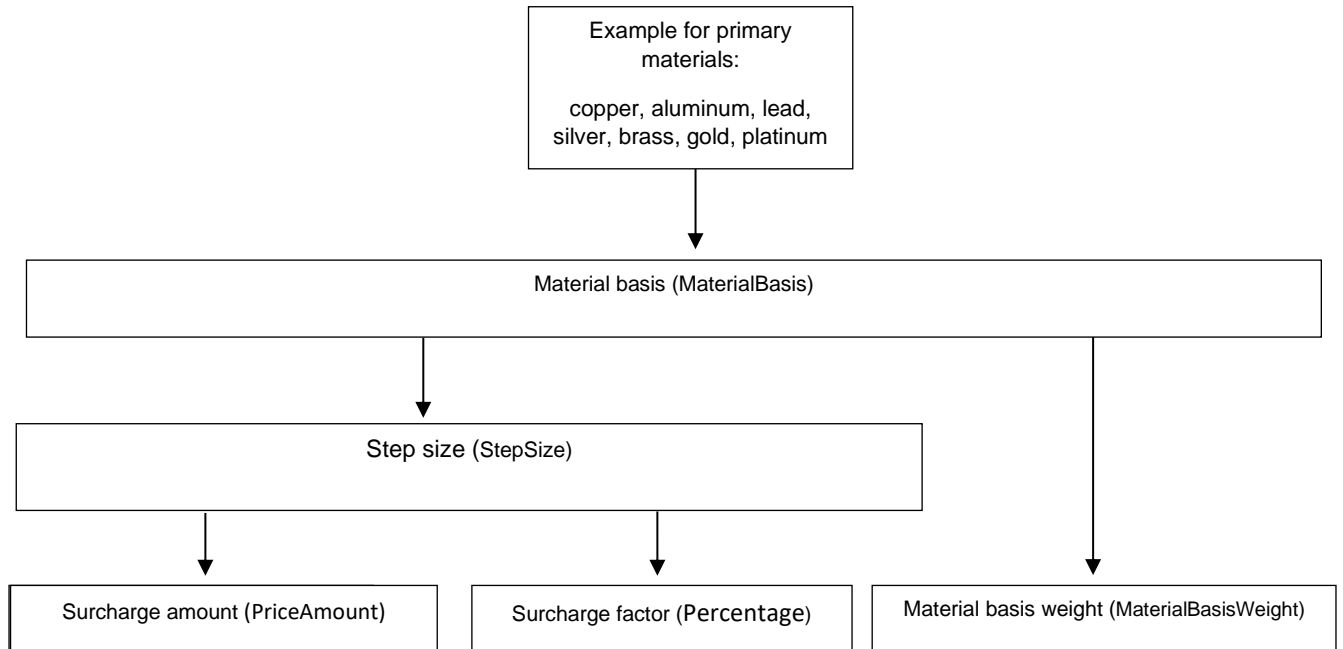
FIELD NAME	StepSize
Level	MaterialSurcharge
DATATYPE [PATTERN]	String
SINGLE/MULTIPLE	SINGLE
MANDATORY/OPTIONAL	Optional
MIN - MAX LENGTH	1-17
ALLOWED VALUES	[0-9]{1,12}[.][0,1][0-9]{0,4}
DEFINITION	Step size as triggering moment for the calculation of the surcharge with surcharge factor or amount. This 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	<ul style="list-style-type: none"> <li>- 1 = per started</li> <li>- 2 = per finished</li> </ul>
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 1.0 of the ETIM xChange Guidelines.

#### 4.7. ES - SPAIN

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.8. FI - FINLAND

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.9. FR – FRANCE

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.10. HU - HUNGARY

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.11. IT - ITALY

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

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

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.13. NL – NETHERLANDS

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.14. NO - NORWAY

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.15. PL - POLAND

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.16. PT – PORTUGAL

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.17. SE - SWEDEN

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.18. SI - SLOVENIA

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.

#### 4.19. UK – UNITED KINGDOM

No country specific extensions for this version 1.0 of the ETIM xChange Guidelines.