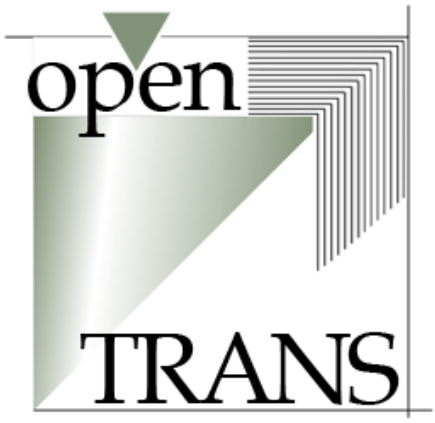

openTRANS® Version 2.1

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ORDERRESPONSE

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Firms and individuals involved in the development of openTRANS®

Since publication of openTRANS® version 1.0 in september 2001 many change-, extension- and improvement-requests reached us. Thought has been given to these requests in the development of openTRANS® 2.0 and openTRANS® 2.1. At this point the openTRANS® authors want to thank all the people who have contributed to a better performance and quality of the standard. Many thanks to Stefan Fröhlich, epaxios.com, for the extended Review of the standard and the detailled feedback. In addition to the contributors to the development of BMEcat® up to version 2005 and openTRANS® version 1.0 we want to thank particularly the group of participants who supported us at the openTRANS®-Development-Workshops (in alphabetical order by company-name):

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1 Introduction

1.1 Overview

The openTRANS® format was developed with the aim of providing uniform electronic documents for business-to-business es-commerce. Based on the BMEcat® Standard for the electronic exchange of product data, standardized business documents such as order, delivery notes, invoices, etc. can be exchanged between the business partners and electronic marketplaces. This specification addresses users and developers of the openTRANS®-standard. The related openTRANS®-Schema is only valid in combination with this document. This takes effect especially for multilingual elements which can be defined as *unbounded* in the openTRANS®-schema and *single* in this document (e.g. **CONTACT_NAME**). This is for compatibility reasons in case of more than one language in one(!) openTRANS®-file.

The openTRANS®-standard does not give information related to the transaction processes. It is up to the business partners to agree on which documents they use and how they implement the exchange of the documents.

The following business documents are specified in this document:

- **RFQ** (Request for quotation)
- **QUOTATION** (Quotation)
- **ORDER** (Order)
- **ORDERCHANGE** (Change of order)
- **ORDERRESPONSE** (Confirmation of the order)
- **DISPATCHNOTIFICATION** (Notification of dispatch)
- **RECEIPTACKNOWLEDGEMENT** (Acknowledgement of receipt of goods)
- **INVOICE** (Invoice)
- **INVOICELIST** (Collective invoice)
- **REMITTANCEADVICE** (Notification of remittance)

Additionally there is the possibility to use the credit memo as a special kind of an invoice (Attention: this might be valid only for german credit memos).

1.2 Use of XML

The openTRANS® business document data is stored as "eXtensible Markup Language" (XML) code. XML is a W3C recommendation (see www.w3.org) and a de-facto standard. XML allows structures and data to be coded simultaneously, in contrast with traditional methods such as comma-separated lists, for instance. The XML schema belonging to the openTRANS® standard are published in a separate, accompanying document.

1.3 Supplementary activities and standards

The BMEcat® Standard, which has been in existence since November 1999, describes an exchange format for electronic product catalogs. They constitute the range on offer in business-tobusiness e-commerce. The interaction of the business partners is described by the openTRANS® business documents.

The openTRANS®- business documents are being developed in partnership with BMEcat®-.

1.4 Implementation support

Fraunhofer IAO, the University of Essen BLI and various partners of the eBusiness Standardization Committee can provide consulting support for implementing the openTRANS® Standard. All inquiries in this respect or concerning the specification should be addressed directly to the authors of the openTRANS® standard: **authors@opentrans.org**

Additional information can also be found under **http://www.opentrans.org**.

1.5 Website www.opentrans.org

On the webpage **http://www.opentrans.org** the following release-related informations are published in

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german and english language:

- Download of the specifications in different formats (.chm and .pdf)
- Download of the specifications as XML-Schema
- Download of examples

Via the weboage you can submit errors and change-requests and known errors and solutions are published.

On the webpage you can find informations on how the development can be supported.

2 Specification

2.1 Terminology

In order to understand this document the following chapter describes the used terms and definitions preconditioned in this specification.

business document

A business document in the sense of business transactions is an openTRANS®-document like an invoice or an order.

business transaction

A business transaction is the transmission of a business document between two business parties (the sender and acceptor). For example the transmission of an order done by a purchaser to the supplier is an transaction.

business process

A business process is usually a process related to a value adding task in a company. In the case of openTRANS-transactions a business process is a sequence of one, but usually more transactions. That means it is related to the exchange of more than on business document. One example is the procurement-process in the following transaction-sequence:
supplier <-- **ORDER** -- Purchaser
supplier -- **ORDERRESPONSE** --> Purchaser
supplier -- **DISPATCHNOTIFICATION** --> Purchaser
supplier <-- **RECEIPTACKNOWLEDGEMENT** -- Purchaser
supplier -- **INVOICE** --> Purchaser
supplier <-- **REMITTANCEADVICE** -- Purchaser

2.2 Structure of the specification

The documentation of the openTRANS® standard is made up of various documents. Each business document is described in a specification-document. The whole standard is complemented by the technical and formal specification in form of a XML-Schema document and example files.

In order to make navigation within the document easier, relevant key terms such as element names are cross-referenced, making it possible to jump directly to that part of the document in which this key term is explained in more detail. In order to make the cross-references easier to find, they are highlighted in green.

Where more detailed information on various areas is available on the Internet, this is indicated by the blue underlined hyperlinks which make it possible to jump directly to the relevant URL.

The main part of the specification is described in the **Element Library**. This Section constitutes a collection of all elements used in the related business document. In addition, an **Alphabetical Index** of the elements is to be found at the end of the specification which is intended to make it easier to find elements alphabetically sorted. This index, like the **Table of Contents**, contains cross-references which lead directly to the elements.

The appendix is divided in three modules: The index of data type describes all used data type like primitive data type but also special ones. The history of changes outlines the changes of elements in alphabetical sorting. Finally you can find two more lists of all used elements in real document-ordering and the index in alphabetical sorting.

2.3 Description of elements

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Each element is described according to the same schema. The description of the elements is divided into the following points:

- **element name**,
- the **title of the element** used in the xml-documents;
- a **description** explaining the function and significance of the element;
- a **diagram** demonstrating the sub-elements and their structure;

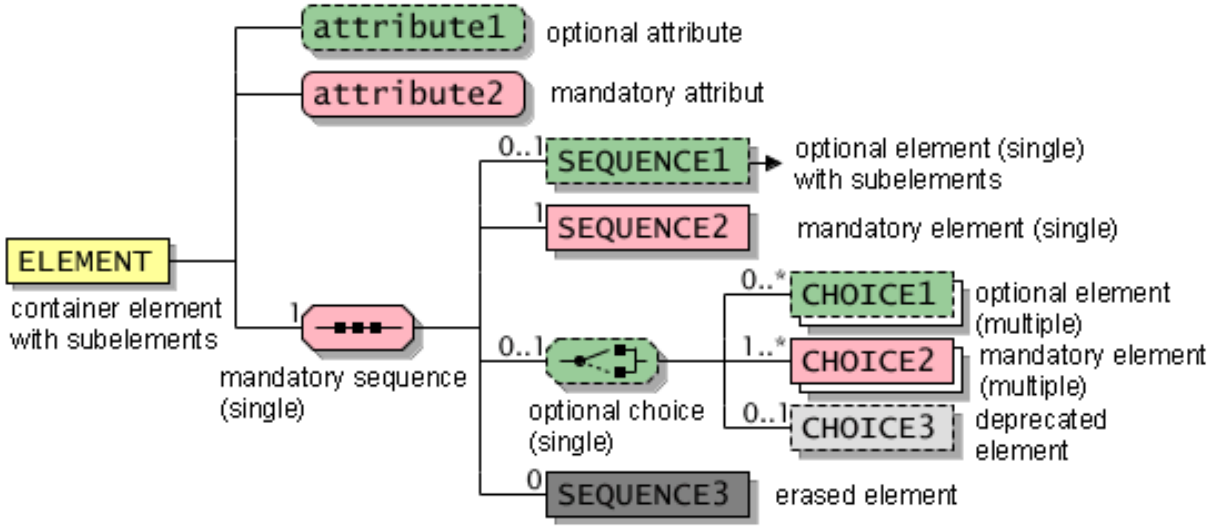
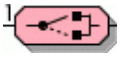
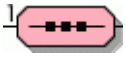


Figure 2-1: Visualization of elements and sub-elements

The element being described always appears on the left page and the subelements appear, one below the other, on the right page. Elements are shonw in a rectangular box, whereas attributes are shown in a round-box. Sub-elements shown in a red color is mandatory, green respectively a bright color indicates an optional element (see also chapter **"Must" and "Can" fields**. Deprecated elements (which can be used but their use is not recommended) are shown with bright grey coloring. Elements which are not anymore allowed are shown in dark grey. The symbols within the elements have the following meaning:

- **"0...1"** and a dashed border indicates an optional element that can appear, but it is also possible that it will not appear at all;
- **"1"** and a continous border indicate that the element must appear exactly one time;
- **"0...*x*"** and a dashed border indicate that the element can appear *0* up to *x*-times, a * instead of *x* indicates that number of appearances of the element is not restricted;
- **"1...*x*"** and a continous border indicate at least one appearance of the element, but it can appear up to *x*-times, a * instead of *x* indicates that number of appearances of the element is not restricted;
- the -symbol means that the element can have at least one sub-element, is this symbol missing the element is a leaf and a datatype must be delivered;
- the  -symbol indicates, that one of the sub-elements must appear;
- the  -symbol indicates, that the sub-elements appear in the given order (whereas they must not appear if they are optional);

- The table **General** gives a brief description of the following features of each element: the column "Used in" indicates the general elements in which the element described can be used; the column "Default value" indicates the value which will be assumed when the element has not been specified (see also Section **"Must" and "Can" fields**); the column "Data type" indicates – for those elements which have no sub-element – the types of data with which they can be filled; the column "Language-specific" indicates whether or not the field content can vary according to language; the column "Field length" indicates the maximum number of characters with which an element may be filled (see also **Coding in XML**); the column "Alt. in version" indicates the time of the last alteration in order to ensure a sound overview of the version alterations and additions;
- the table **Attributs** provides a list of the attributes used in the element and describes them in the following columns: the column "Designation" contains the term which describes the attribute in, if possible, one word; the column "Attribute name" indicates the system of notation which must be used in the document; the column "Must/Can" indicates whether or not an attribute must be specified each time

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an element is used or whether the use is optional (see also Section **"Must" and "Can" fields**); the column "Explanation" specifies the use of the attribute; the columns "Default value", "Data type", "Language-specific", "Field length" and "Alt. in version" are used as indicated in the table "General"; table rows colored in a bright grey indicate attributs which are deleted or deprecated in the next openTRANS®-version; table rows colored in dark grey are elements where the use is already restricted - they appear for the sake of completeness;

- Where a detailed specification is given of the values which an attribute may have, each attribute can be followed by a **table with a list of values**; it should be noted whether this is a list of pre-defined values (i.e. these values are suggested but other values can also be used as determined by the description of the attribute), or whether a list of permitted values is given, which means that only values from this list, and no others, may be used; the column "Attribute value" indicates the values which may or must be entered in the attribute; the columns "Explanation", "Designation" and "Alt. in version" are used as indicated in the table "Attribute";
- In the table **Elements** the sub-elements (and – where these exist – their attributes) of the elements described are listed in order and described in the following columns: the column "Element name" consists of the system of notation which must be used in the business document; where this element itself has no sub-elements, the attributes of the sub-elements are listed in this column; the columns "Designation", "Must/Can", "Default value", "Data type", "Language-specific", "Field length" und "Alt. in version" are used as indicated in the table "Attributes" or the table "General"; table rows colored in a bright grey indicate attributs which are deleted or deprecated in the next openTRANS®-version; table rows colored in dark grey are elements where the use is already restricted - they appear for the sake of completeness;
- An Example closes the description of elements. In the example, the openTRANS® elements appear in black and the variable text or selectable attribute values appear in blue.

The XML-examples demonstrate the use of openTRANS® with sections of a business-document. In some cases elements are not shown with their whole content but only in a schematic way like `<BUYER>...</BUYER>`

The following important symbols are used in the context of element and attribut-descriptions:

symbol	meaning
	Caution: possible source of error
	Please Note: explanatory remark with additional informations
	New since openTRANS® 1.0

Table 2-1: symbols in the openTRANS®-specification

2.4 Must- and Can-fields

The openTRANS® Standard distinguishes between optional and mandatory fields. Mandatory (Must) fields are XML elements which, in an openTRANS®- compliant XML file, must occur within the surrounding context. Optional (Can) fields are XML elements which, in an openTRANS®- compliant XML file may appear within their context. In figures optional fields are colored green, mandatory fields have a red color.

A business document is openTRANS®-compliant when it contains all Must fields and no Can fields other than those detailed in this specification in the specified order and with the specified cardinality.

For example an openTRANS®-**INVOICE** must have the **INVOICE_ID** in the **INVOICE_INFO**-context, whereas the **REASON_FOR_TRANSFER** in the same context is optional.

If the element **INVOICE_INFO** appears in a business document, an **INVOICE_ID**-element has to appear and can not be null or left empty, whereas the element **REASON_FOR_TRANSFER** can follow an **INVOICE_INFO**. The following examples demonstrate this issue:

Example 1 - only invoice-identification-number (Mandatory-field):

```
<INVOICE_INFO>
    <INVOICE_ID>A123</INVOICE_ID>
     ...
```

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```
</INVOICE_INFO>
```

Example 2 - not allowed: empty invoice-identification-number (Mandatory-field):

```
<INVOICE_INFO>
    <INVOICE_ID></INVOICE_ID>
     ...
</INVOICE_INFO>
```

Example 3 - invoice-identification-number (Must-field) and reason for transfer (Optional-field)

```
<INVOICE_INFO>
    <INVOICE_ID></INVOICE_ID>
     ...
    <REASON_FOR_TRANSFER>commission Meier Inc.</REASON_FOR_TRANSFER>
     ...
</INVOICE_INFO>
```

To check for elements which are required you can choose an approach from outside to inside. The following example demonstrates this. The element dilivery date **DELIVERY_DATE** is optional in the context of an invoice-information **INVOICE_INFO**. If you choose to use the element **DELIVERY_DATE**, then you need to add and fill out the fields **DELIVERY_START_DATE** and **DELIVERY_END_DATE** since these elements are required if the element **DELIVERY_DATE** appears. This is straight forward as a delivery-date without mentioning the a start- and end-date is useless.

The following examples make this clear.

Example 4 - (invoice-informations without delivery date):

```
<INVOICE_INFO>
    <INVOICE_ID>...</INVOICE_ID>
    <INVOICE_DATE>...</INVOICE_DATE>
    <INVOICE_COVERAGE>...</INVOICE_COVERAGE>
    <DELIVERY_IDREF>...</DELIVERY_IDREF>
    <INVOICE_ISSUER_IDREF>...</INVOICE_ISSUER_IDREF>
    <INVOICE_RECIPIENT_IDREF>...</INVOICE_RECIPIENT_IDREF>
    <PARTIES>...</PARTIES>
    <CURRENCY>...</CURRENCY>
</INVOICE_INFO>
```

Example 5 - (invoice-informations including delivery date):

```
<HEADER>
    <INVOICE_ID>...</INVOICE_ID>
    <INVOICE_DATE>...</INVOICE_DATE>
    <INVOICE_COVERAGE>...</INVOICE_COVERAGE>
    <!-- hier kann DELIVERY_DATE angegeben werden (Kann-Feld) -->
    <DELIVERY_DATE>
        <!-- hier muss DELIVERY_START_DATE angegeben werden (Muss-Feld) -->
        <DELIVERY_START_DATE>2008-01-01</DELIVERY_START_DATE>
        <!-- hier muss DELIVERY_END_DATE angegeben werden (Muss-Feld) -->
        <DELIVERY_END_DATE>2008-03-31</DELIVERY_END_DATE>
    </DELIVERY_DATE>
    <DELIVERY_IDREF>...</DELIVERY_IDREF>
    <INVOICE_ISSUER_IDREF>...</INVOICE_ISSUER_IDREF>
    <INVOICE_RECIPIENT_IDREF>...</INVOICE_RECIPIENT_IDREF>
    <PARTIES>...</PARTIES>
    <CURRENCY>...</CURRENCY>
</HEADER>
```

2.5 Data types

Data types specify the value format and range of all the elements used in a document. Each atomic element is assigned one data type. The use of data types permits the semantics of document elements to be specified precisely. This is a basic precondition for importing or exporting documents. External systems which generate or process documents then recognize the format in which a particular document expects values to be entered and can recognize the format in which they are saved. The openTRANS® Standard distinguishes between basic, scalar and enumerated data types.

The **basic data type** define common used field-formats like strings, integers, boolean values (true or false) etc. A **table of basic data type** can be found in the appendix.

Additionally many **enumerated data type** based on international standards are used within the specification. An enumerated datatype is a set of permitted string-values. An element with an enumerated datatype can only reflect a value of its assigned set. All enumerated data type are shown in the **table of enumerated data**

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type.

The **table of special data type** describes **special data type** with particular functions. These types are empty defined and usually don't have to be considered by the user as long as no user-defined module-extensions are integrated in the document. In the case of extensions these data type are to be redefined and concretized.

2.6 Coding in XML

The coding of individual characters in the XML elements should be specified in each openTRANS® file. This is done in the attribute "encoding" of the XML text declaration as in `<?xml version="1.0" encoding="UTF-8"?>` Here "UTF-8" is specified as a character set.

openTRANS® supports all the character sets which appear in the XML specification (for example, ISO-8859-1, UTF-8, UTF-16). Within UTF character sets, a character is normally stored in one or more bytes. It should be noted that the field lengths in the field length column relate to the individual characters and not to the number of bytes used in a character set. For example, the code "Ü" which represents the letter "Ü", constitutes only one character. See also **chapter: multilanguage documents**.

2.7 History of openTRANS versions

Version	Date	Description
2005	04.11.2005	BMEcat® 2005: Implementation of Feedback for BMEcat 2005 version
20v1	26.02.2008	openTRANS® Release: first solution concepts prior to the development workshops
20v2	04.07.2008	openTRANS® Release: Implementation of feedback of the 1. workshop
20v3	31.07.2008	openTRANS® Release: Implementation of feedback of the 2. workshop
20fd	28.08.2008	openTRANS® 2.0 final draft: Revision, extension and implementation of the workshop-developments; Redesign of the specification
20	22.10.2008	openTRANS® 2.0: Implementation of feedback from the public draft phase
21fd	01.07.2009	openTRANS® 2.1 final draft: Implementation of feedback since publication of the final version 2.0. Bugfixes and example-adaptions.
21	02.10.2009	openTRANS® 2.1: Implementation of feedback since publication of the 2.1 final draft. Bugfixes and example-adaptions. Changes are mainly related to the INVOICELIST document.

Table 2-1: History of openTRANS® versions

3 Dataexchange with openTRANS 2.x

3.1 document structure

With openTRANS® it is possible to implement data about the business document itself and about data related to items in the document. openTRANS® 2.1-documents therefore consist of three logical areas - header, item-list and summary. This structure is tested since version 1.0 and is shortly present here.

3.1.1 Header-Level

The header (e.g. INVOICE_HEADER) describes all general information which is related to the whole document. This includes e.g. addresses of the parties and contract-informations. The header is similar for all openTRANS© 2.1 documents.

3.1.2 Item-Level

The item-level shows the relevant information for products, order-contents, position for supply or invoices in an invoice-list-document. Additionally values which are set on default on header-level often can be overwritten on item-level.

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3.1.3 Summary

The summary is the closing of each document. Here you can find redundant information which is aggregated of the values on item-level. With the help of the summary you can do rechecks and sometimes (like for invoices) this area is required by law.

3.2 Multilingual documents

In openTRANS® all documents are defined in one language. Since the similarity of the used sub-elements in BMEcat® 2005 and openTRANS® 2.1 the formal definition of the XML-files permits multilingual documents. That means the corresponding XML-Schema may declares elements as "multiple" whereas the specification declares them as "single". In those cases the elements are allowed to be used more than one time only if more than one language is implemented in the same document/XML-file. In this case one can use them once per language. We implemented this to provide the opportunity to generally support multilingual files, although this is explicitly not provided by the standard and should be arranged between the partners. That means if multilingual documents are used this should be discussed and synchronized with the exchange-parties. A description of how multilingual documents can be used is shown on **http:/ / www.bmecat.org** in the BMEcat documentation.

3.3 Changes in openTRANS 2.0

Beside numerous detail-improvements we implemented many new general requirements in openTRANS® 2.0. Here you can find the most significant changes and extensions:

- revision of invoice for new requirements by law
- support of processes with electronic signature
- extension of picemodels, especially mulitlevel surcharges and discounts
- better support for scenariosincluding intermediates, e.g. on marketplaces or with central regulators
- extend of the productmodel to better represent features and components (product configurations)
- two new business documents, INVOICELIST and REMITTANCEADVICE
- basic compatibility to BMEcat® 2005 (same definition for fields in both standards)

3.4 Changes in openTRANS® 2.1

In openTRANS® 2.1 many suggestions were implemented which reached us since publication of the final version 2.0. Main changes are related to bug fixes and example-adaptions. No large structural changes were made.

3.5 Downward compatibility zu openTRANS 1.0

openTRANS® 2.1 is not downward compatible to openTRANS® 1.0 but similar in the structure. Most elements of version 1.0 are reused in version 2.1. Some of them now have new sub-elements or new definitions. It should not be too complex to adapt software-systems or to create converters for 1.0-2.1 conversion.

3.6 Compatibility with BMEcat®

openTRANS® 2.1 business documents are compatible to BMEcat® 2005 catalogs meaning identical element(-definitions), rules and structures.This simlifies the usage of the data and software-systems using both standards.

Due to the asynchronious development-cycles of both standards we have some exceptions of differences of element-structures (like in **PARTY**). In this case we anticipated some future changes coming in the next BMEcat® version.

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Reference of elements - order by appearance

ORDERRESPONSE

(Confirmation of the order)

???

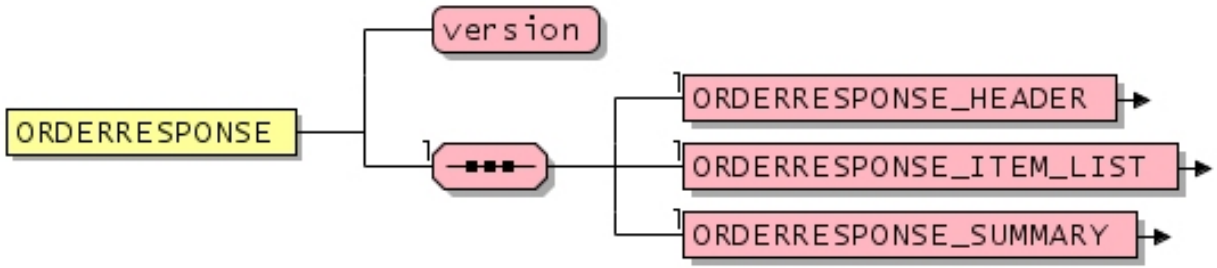
Every valid ORDERRESPONSE business document in openTRANS®-Format is triggered by the root element ORDERRESPONSE and consists of a header (ORDERRESPONSE_HEADER), an item level (ORDERRESPONSE_ITEM_LIST) and a summary (ORDERRESPONSE_SUMMARY).

The header is at the beginning of the business document and contains global data valid for all types of business data exchange such as, for example information on suppliers or information on skeleton agreements which may exist between the buyer and the supplier. The header also lays down default settings for the following item level.

The item level contains the individual positions in the order. In this, information is taken over from the header on the item level, provided it has not been overwritten on item level.

The summary contains a summary of the information on the order. The information in this element is redundant and can be used for control and statistical purposes.

A reversal of single order items can be done via a negative quantity (**QUANTITY**) refering to the original order item. To do a reversal of a whole order every single order item has to be set to the corresponding negative quantity.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
-	-	-	-	-	2.0

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Version	version	Mandatory	Indicates the version of the openTRANS® Standard to which the business document corresponds. Value range: "Major Version"."Minor Version" (Example: "1.0") See also: **Permitted values for attribute "version"**	-	**dtSTRING**	7	-	2.0

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Permitted values for attribute "version"

Designation	Attribute value	Explanation	I.chg. in ver.
	2.1		-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Header level	**ORDERRESPONSE_ HEADER**	Mandatory	Single	The header level is used to transfer information about business partners and the business document and enter default settings which can be overwritten on item level.	-	-	-	-	2.0
Item level	**ORDERRESPONSE_ ITEM_LIST**	Mandatory	Single	In the item level the individual order items being confirmed are listed.	-	-	-	-	2.0
Summary	**ORDERRESPONSE_ SUMMARY**	Mandatory	Single	Summary of the orderresponse information. The information in this element is redundant.	-	-	-	-	21fd

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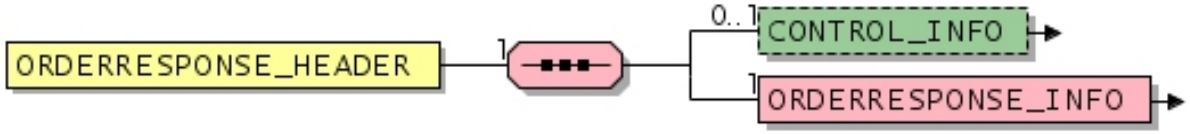
ORDERRESPONSE_HEADER

(Header level)

The header is specified by the ORDERRESPONSE_HEADER element. ORDERRESPONSE _HEADER is used to transfer information about the business partners and the business document and enter default settings which can basically be overwritten on item level (ORDERRESPONSE_ITEM).



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE	-	-	-	-	2.0

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Control information	**CONTROL_INFO**	Optional	Single	Control information for the automatic processing of the business documents	-	-	-	-	-
Information on the business document	**ORDERRESPONSE_INFO**	Mandatory	Single	Order information on this business document. *	-	-	-	-	20

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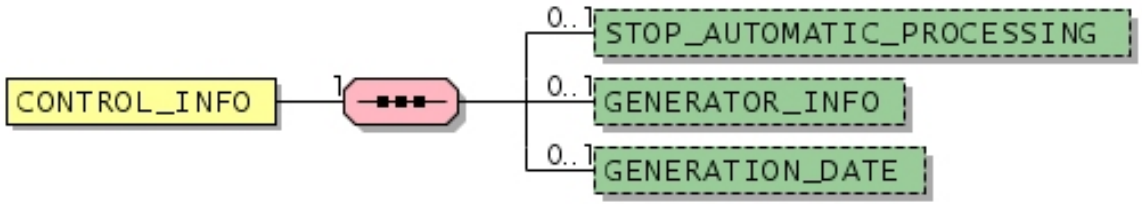
CONTROL_INFO

(Control information)

Control information for the automatic processing of the business document is stored in the element **CONTROL_INFO**.

If the element **CONTROL_INFO** is used, at least one of the following elements must be included.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_HEADER	-	-	-	-	-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Interruption of automatic processing in the target system	**STOP_AUTOMATIC_ PROCESSING**	Optional	Single	An instruction for the target system can be stored here if manual processing of the business document is required. The element consists of a text explaining why manual processing is necessary. Automatic processing in the target system is interrupted if the element is not empty. Caution: the element should only be used in justified exceptional cases (e.g. "Import test – NO processing is necessary")!	-	**dtSTRING**	250	-	2.0_fd
Generator information	**GENERATOR_INFO**	Optional	Single	Information about the generator (manual or automatic) of the document	-	**dtSTRING**	250	-	-
Generation date of the business document	**GENERATION_DATE**	Optional	Single	Generation date of the XML-document.	-	**dtDATETIME**	-	-	2.0_fd

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ORDERRESPONSE_INFO

(Information on the business document)

In the element ORDERRESPONSE_INFO administrative information on this order is summarized.

For processing improvement reasons the sorting of the elements has been changed.

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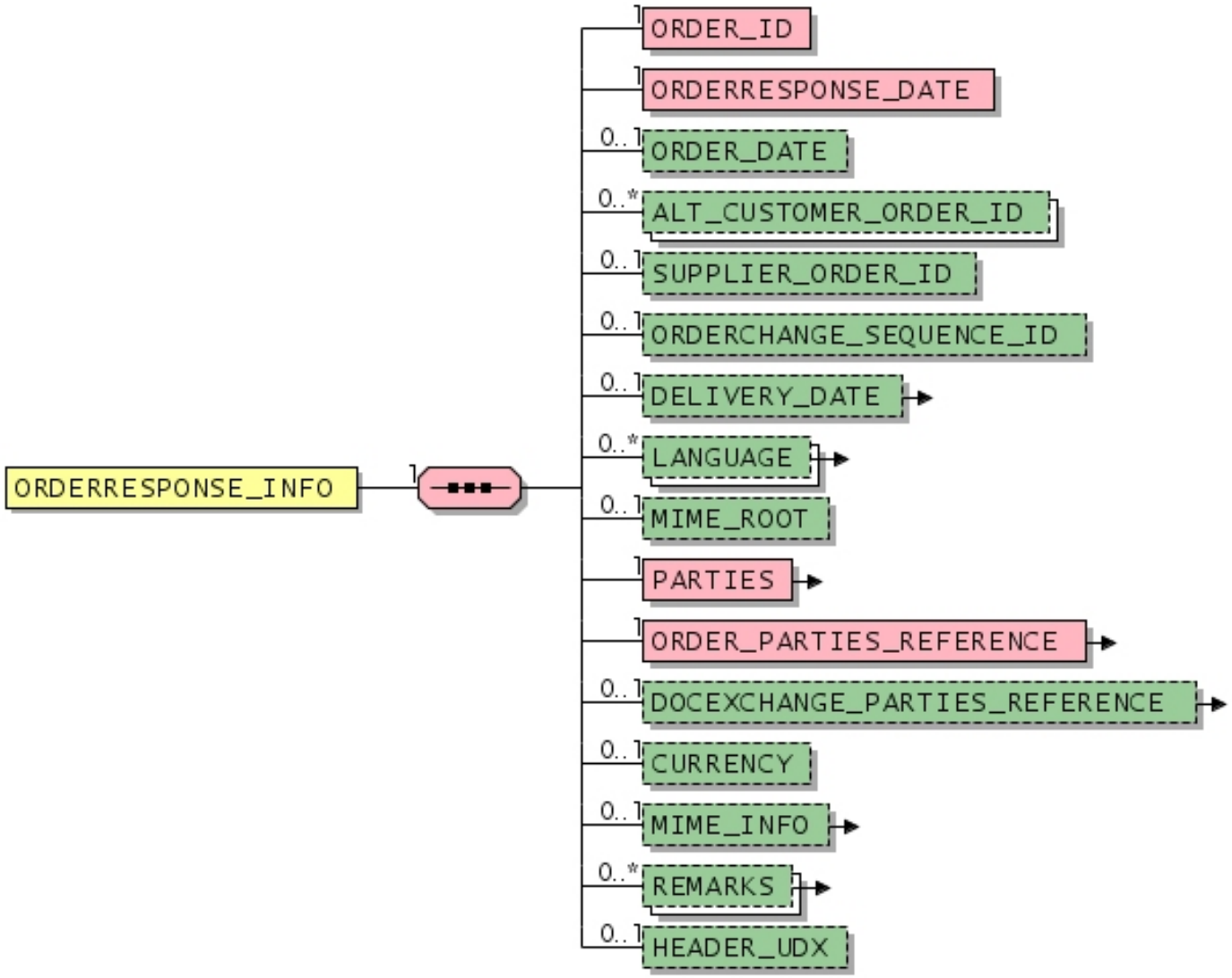

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_HEADER	-	-	-	-	20

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Auftragsnummer des Einkäufers	**ORDER_ID**	Mandatory	Single	Unique order number of the buyer	-	**dtSTRING**	250	-	2.0
Date of confirmation of order	**ORDERRESPONSE_DATE**	Mandatory	Single	Date of confirmation of order receipt.	-	**dtDATETIME**	-	-	2.0
Order date	**ORDER_DATE**	Optional	Single	Date of the order	-	**dtDATETIME**	-	-	2.0
Alternative order number of the buyer	**ALT_CUSTOMER_ORDER_ID**	Optional	Multiple	Further buyer order numbers which can be specified by the buyer. Relevant in the case of orders which are passed on again. Here the order number of the original ordering party can be set down.	-	**dtSTRING**	250	-	2.0
Supplier order number	**SUPPLIER_ORDER_ID**	Optional	Single	Unique order number of the supplier	-	**dtSTRING**	250	-	2.0
Order change sequence	**ORDERCHANGE_SEQUENCE_ID**	Optional	Single	The alteration sequence is increased by one with the dispatch of each ORDERCHANGE business document. The numbering begins at 1.	-	**dtCOUNT**	-	-	2.0
Delivery date	**DELIVERY_DATE - type**	Optional	Single	Date of shipment. The delivery date specifies the date the commissioned goods are accepted by the buyer. If the delivery date deviates from the one specified in the header, the delivery date on item level is valid. To specify exact one date for the shipment, e.g. in the RECEIPTACKNOWLEDGEMENT-document, both sub-elements the **DELIVERY_DATE** and the **DELIVERY_END_DATE** should be the equal.	-	-	-	-	21fd
Language	**LANGUAGE - default**	Optional	Multiple	Specification of used languages, especially the default language of all language-dependent information *namespace: BMECAT*	-	**dtLANG**	-	-	-
MIME root directory	**MIME_ROOT**	Optional	Single	A relative directory can be entered here (and/or a URI), i.e. one to which the relative paths in **MIME_SOURCE** refer. *namespace: BMECAT*	-	**dtMLSTRING**	250	Yes	-
Parties	**PARTIES**	Mandatory	Single	List of parties that are relevant to this business document	-	-	-	-	2005fd
Business partners	**ORDER_PARTIES_REFERENCE**	Mandatory	Single	Reference to the business partners integrated in the process of the document flow	-	-	-	-	20v3
Document exchange parties	**DOCEXCHANGE_PARTIES_REFERENCE**	Optional	Single	Reference to the business partners who take part in the document exchange	-	-	-	-	20v3

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Currency	**CURRENCY**	Optional	Single	Provides the currency that is default for all price information in the catalog. If the price of a product has a different currency, or this element is not used, the the currency has to be specified in the **PRICE_CURRENCY** element for the respective product. Therefore, the currency must be specified in the catalog header or for each product separately. It is recommended to define a default currency. *namespace: BMECAT*	-	**dtCURRENCIES**	-	-	-
Additional multimedia information	**MIME_INFO**	Optional	Single	Information about multimedia files	-	-	-	-	-
Remark	**REMARKS** **- type**	Optional	Multiple	Remark related to a business document	-	**dtMLSTRING**	64000	Yes	-

User-defined extension	**HEADER_UDX**	Optional	Single	This element can be used for transferring information in user-defined non-openTRANS-elements; hence it is possible to extend the pre-defined set of openTRANS-elements by user-defined ones. The usage of those elements results in openTRANS business documents, which can only be exchanged between the companies that have agreed on these extensions. The structure of these elements can be very complex, though it must be valid XML.
				
				<User Defined Extensions> are defined exclusively as optional fields. Therefore, it is expressly pointed out that if user-defined extensions are used they must be compatible with the target systems and should be clarified on a case-to-case basis.
				The names of the elements must be clearly distinguishable from the names of other elements contained in the openTRANS standard. For this reason, all element must start with the string "UDX" (Example: `<UDX.supplier.elementname>`).
				The definition of user-defined extensions takes place by additional XML DTD or XML Schema files.
				
				New element
				Example: usage of the non-openTRANS elements (XML)
				`<INVOICE_INFO>`
				`...`
				`<HEADER_UDX>`
				`<UDX.MYORG.CEO>Mr. Meier</UDX.MYORG.CEO>`
				`<UDX.MYORG.CEOTEL>+49 123 456789</UDX.MYORG.CEOTEL>`
				`</HEADER_UDX>`
				`</INVOICE_INFO>`
					-	**udxHEADER**	-	-	20v1

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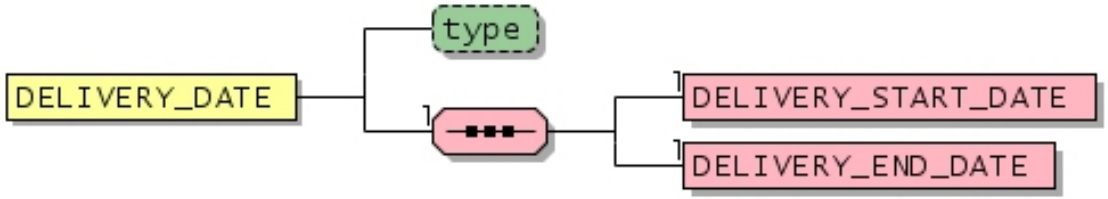
DELIVERY_DATE

(Delivery date)

Date of shipment. The delivery date specifies the date the commissioned goods are accepted by the buyer. If the delivery date deviates from the one specified in the header, the delivery date on item level is valid. To specify exact one date for the shipment, e.g. in the RECEIPTACKNOWLEDGEMENT-document, both sub-elements the **DELIVERY_DATE** and the **DELIVERY_END_DATE** should be the equal.

Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_INFO, **ORDERRESPONSE_ITEM**, **PARTIAL_DELIVERY**	-	-	-	-	21fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Type of delivery date	type	Optional	Specifies the delivery date. See also: **Permitted values for attribute "type"**	fixed	**dtSTRING**	20	-	2.0

Permitted values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Required date	optional	The date given is to be interpreted by the recipient as a required delivery date.	-
Fixed delivery date	**fixed**	The date given is to be interpreted by the recipient as a fixed specified delivery date.	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Start of the delivery period	**DELIVERY_START_DATE**	Mandatory	Single	Unique date for the start of the delivery period. If an exact delivery date has to be determined, e.g. in the RECEIPTACKNOWLEDGEMENT-document, DELIVERY_START_DATE = DELIVERY_END_DATE is set.	-	**dtDATETIME**	-	-	2.0
End of the delivery period	**DELIVERY_END_DATE**	Mandatory	Single	Unique date for the end of the delivery period. If an exact delivery date has to be determined, e.g. in the RECEIPTACKNOWLEDGEMENT-document, DELIVERY_START_DATE = DELIVERY_END_DATE is set.	-	**dtDATETIME**	-	-	2.0

Example

```
<DELIVERY_DATE type="optional">
    <DELIVERY_START_DATE>2009-05-11T10:00:00+01:00</DELIVERY_START_DATE>
    <DELIVERY_END_DATE>2009-05-11T10:00:00+01:00</DELIVERY_END_DATE>
</DELIVERY_DATE>
```

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LANGUAGE

(Language) *namespace: BMECAT*

This element specifies the used languages, especially the default language of all language-dependent information.

Single-langual documents: This element contains the used language. If the default-attribute is set, then it is not necessary to name the language in all elements that contain language-dependent information (default language).

Multi-lingual documents: This element must be used to specify each language that occurs in the document, therefore the element appears more than once. If the default-attribute is set for the most frequently or always used language, then it is not necessary to name for all language-dependent information this language (default language); it is sufficient to mark information in other languages.

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_INFO	-	**dtLANG**	-	-	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Default flag	default	Optional	This element determines the default language of all language-dependent information in the document. * New attribute	-	**dtBOO-LEAN**	-	-	2005fd

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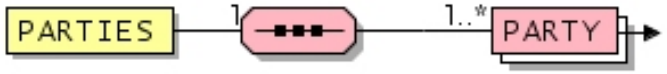
PARTIES

(Parties)

This element contains a list of parties that are relevant to this business document.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_INFO	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Business partner	**PARTY**	Mandatory	Multiple	Information about the business partner.	-	-	-	-	21fd

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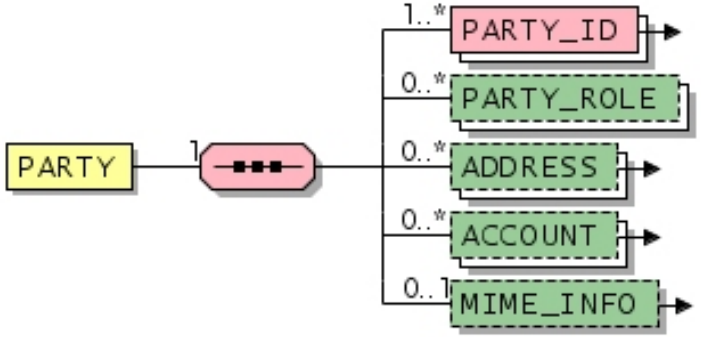
PARTY

(Business partner)

This element contains information about a business partner.

If this element is used at least one of the following elements has to be specified.

New element
Sub-element **ACCOUNT** has been added.
Sub-element **PARTY_ID** set to "mandatory". Sub-element **ADDRESS** has been set to "multiple"
Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PARTIES	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ID of the business partner	**PARTY_ID - type**	Mandatory	Multiple	Unique identifier of the business partner. **PARTY_ID** has to be specified as the document contains references to this element. *namespace: BMECAT*	-	**dtSTRING**	250	-	2005fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Role of the business partner	**PARTY_ROLE**	Optional	Multiple	Role of the business partner in the context of this document New element The list of pre-defined values has been extended with 'invoice_issuer' (invoicing party), 'invoice_recipient' (invoice receiving party) and 'deliverer' (transportation party, carrier). The list of pre-defined values has been extended with 'intermediary' (intermediate party), 'marketplace' (market place), 'payer', 'remittee' and 'central_regulator' (in case of centralized settlement). The list of pre-defined values has been extended with 'other'. The list of pre-defined values has been extended with 'TrustedThirdParty'. See also: **Permitted values for element PARTY_ROLE**	-	**dtSTRING**	20	-	21fd
Address	**ADDRESS**	Optional	Multiple	Address information of a business partner 	-	-	-	-	21fd
Bank account	**ACCOUNT**	Optional	Multiple	Bank account details 	-	-	-	-	21fd
Additional multimedia information	**MIME_INFO**	Optional	Single	Information about multimedia files For example logos, company profiles or other business partner related documents could be added here.	-	-	-	-	-

Permitted values for element PARTY_ROLE

Designation	Element value	Explanation	I.chg. in ver.
Buyer	buyer	The business partner is a buyer.	2005fd
Centralized settlement	central_regulator	The business party is a centralized settlement and supports the business of several partners. New value	20v3
Customer	customer	The business party is the customer of the buying company. New value	20v3
Transporation party, carrier	deliverer	The business party is the carrier. New value	20v2

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Permitted values for element PARTY_ROLE

Designation	Element value	Explanation	l.chg. in ver.
Location of shipment	delivery	The business party is the location of the product shipment or where the service is afforded. New value	20v3
Document creator	document_creator	The business partner is the creator of the document. New value	2005fd
Final shipment location	final_delivery	Reference to address and contact of the final recipient. The federal office of export control currently only evaluates on order-header-level. Therefore orders related to exports should not use a party in this element which is different to the header-level element **FINAL_DELIVERY_PARTY**. New value	20v3
Intermediate	intermediary	The business party is an intermediate between product/service provider and benefit recipient. New value	20v3
Invoicing party	invoice_issuer	The business party is the invoicing party. New value	20v2
Invoice recipient	invoice_recipient	The business party is the invoice receiving party. New value	20v2
IPP operator	ipp_operator	The business partner operatores an IPP application. New value	2005fd
Manufacturer	manufacturer	The business partner is a manufacturer. New value	2005fd

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Permitted values for element PARTY_ROLE

Designation	Element value	Explanation	l.chg. in ver.
Market place	marketplace	The business party runs an electronic market place supporting the processing of procurement and distribution of products and services. New value	20v3
Payer	payer	The business party is the payer. New value	20v3
Remittee	remittee	The business party is the remittee. New value	20v3
Standardization body	standardization_body	The business partner is a standardization body. New value	2005fd
Supplier	supplier	The business partner is a supplier. New value	2005fd
Trusted Third Party	trustedthirdparty	A trusted instance that e.g. signed and verified the attached digital signature. New value	21fd
Other	other	If no other role matches this value can be used. New value	20

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Example

```
<PARTY>
    <bmecat:PARTY_ID type="supplier_specific">108304</bmecat:PARTY_ID>
    <PARTY_ROLE>document_creator</PARTY_ROLE>
    <ADDRESS>
        <bmecat:NAME>Power Supply Corp.</bmecat:NAME>
        <CONTACT_DETAILS>
            <bmecat:CONTACT_ID>MA02</bmecat:CONTACT_ID>
            <bmecat:CONTACT_NAME>Doe</bmecat:CONTACT_NAME>
            <bmecat:FIRST_NAME>John</bmecat:FIRST_NAME>
            <bmecat:ACADEMIC_TITLE>Phd</bmecat:ACADEMIC_TITLE>
        </CONTACT_DETAILS>
        <bmecat:STATE>Saxony Anhalt</bmecat:STATE>
        <bmecat:COUNTRY>Germany</bmecat:COUNTRY>
        <bmecat:COUNTRY_CODED>DE</bmecat:COUNTRY_CODED>
        <bmecat:PHONE>+49 345 WE SELL</bmecat:PHONE>
        <bmecat:FAX>+49 555 77 88 99</bmecat:FAX>
        <bmecat:EMAIL>power@supply.com</bmecat:EMAIL>
        <bmecat:URL>www.powersupplycorp.com</bmecat:URL>
    </ADDRESS>
    <ACCOUNT>
        <HOLDER>Power Supply Corp.</HOLDER>
        <BANK_ACCOUNT type="iban">DE12 3456 7890 0000 9999 99</BANK_ACCOUNT>
        <BANK_CODE type="bic">1002003040</BANK_CODE>
        <BANK_NAME>Good Bank</BANK_NAME>
        <BANK_COUNTRY>DE</BANK_COUNTRY>
    </ACCOUNT>
</PARTY>
```

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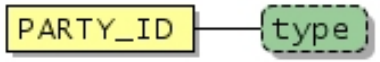
PARTY_ID

(ID of the business partner) *namespace: BMECAT*

This element contains the unique identifier of the business partner. **PARTY_ID** has to be specified as the document contains references to this element.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PARTY	-	**dtSTRING**	250	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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ADDRESS

(Address)

This element is used to transfer address information of a business partner.

This element has been extended by the following sub-elements: **DEPARTMENT**, **CONTACT_DETAILS**, **VAT_ID**; the sub-element **EMAIL** may occur more than once if the e-mail address comes with an element **PUBLIC_KEY**.
The sub-elements **PHONE** und **FAX** may occure more than once, due to their type-attribute.
The sub-element **CONTACT_DETAILS** was accidently deleted in the draft version and is now inserted again.
Example adapted.

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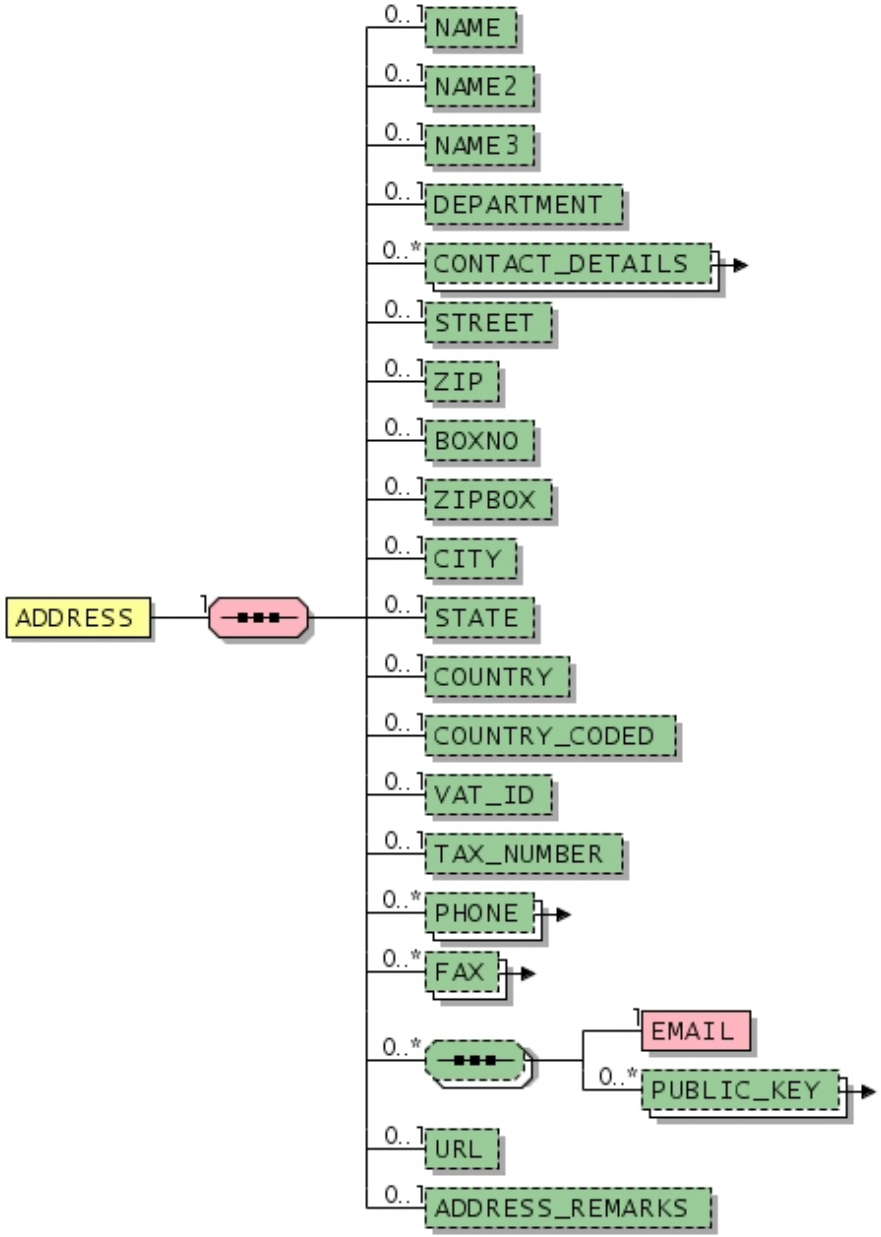

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General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PARTY	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Address line	**NAME**	Optional	Single	First address line, in most cases the name of the organisation *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Address line 2	**NAME2**	Optional	Single	additional space for address information *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Address line 3	**NAME3**	Optional	Single	additional space for address information *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Department	**DEPARTMENT**	Optional	Single	Department of the organisation *namespace: BMECAT* New element	-	**dtML-STRING**	50	Yes	2005fd
Contact	**CONTACT_DETAILS**	Optional	Multiple	Information on a contact person 	-	-	-	-	21fd
Street	**STREET**	Optional	Single	Street name and house number *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Zip code	**ZIP**	Optional	Single	ZIP code of address *namespace: BMECAT*	-	**dtML-STRING**	20	Yes	-
P.O. Box	**BOXNO**	Optional	Single	P.O. box number *namespace: BMECAT*	-	**dtML-STRING**	20	Yes	-
Zip code of P.O. Box	**ZIPBOX**	Optional	Single	ZIP code of P.O. box *namespace: BMECAT*	-	**dtML-STRING**	20	Yes	-
Town or city	**CITY**	Optional	Single	Town or city of the company *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Federal state	**STATE**	Optional	Single	Federal state, e.g., Michigan *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Country	**COUNTRY**	Optional	Single	Country, e.g., France *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Country code	**COUNTRY_CODED**	Optional	Single	Country code, e.g. FR for France *namespace: BMECAT* New element	-	**dtCOUN-TRIES**	-	-	2005fd
VAT-ID	**VAT_ID**	Optional	Single	VAT identification number of the business partner *namespace: BMECAT* New element	-	**dtSTRING**	50	-	2005fd
Tax number	**TAX_NUMBER**	Optional	Single	Tax number of a business partner New element	-	**dtSTRING**	50	-	20v2
Phone number	**PHONE** **- type**	Optional	Multiple	Phone number including type *namespace: BMECAT* 	-	**dtML-STRING**	50	Yes	2005fd
Fax number	**FAX** **- type**	Optional	Multiple	Fax number *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
E-mail address	**EMAIL**	Mandatory	Single	e-mail address *namespace: BMECAT* The maximum length has been extended from 100 characters to 250 characters.	-	**dtSTRING**	255	-	2005fd
Public key	**PUBLIC_KEY** **- type**	Optional	Multiple	Public key, e.g. PGP *namespace: BMECAT*	-	**dtSTRING**	64000	-	1.2_fd
Internet address	**URL**	Optional	Single	URL of the web site, e.g., http://www.bmecat.org *namespace: BMECAT* The maximum length has been extended from 100 characters to 250 characters.	-	**dtSTRING**	255	-	2005fd
Remarks	**ADDRESS_REMARKS**	Optional	Single	Remarks on the organization *namespace: BMECAT*	-	**dtML-STRING**	250	Yes	-

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Example

```
<ADDRESS>
    <bmecat:NAME>Fraunhofer Society</bmecat:NAME>
    <bmecat:NAME2>Institute for industrial engineering</bmecat:NAME2>
    <bmecat:DEPARTMENT>Competence Center E-Business</bmecat:DEPARTMENT>
    <CONTACT_DETAILS>
        <bmecat:CONTACT_ID>MA02</bmecat:CONTACT_ID>
        <bmecat:CONTACT_NAME>Doe</bmecat:CONTACT_NAME>
        <bmecat:FIRST_NAME>John</bmecat:FIRST_NAME>
        <bmecat:ACADEMIC_TITLE>Phd</bmecat:ACADEMIC_TITLE>
        <bmecat:PHONE>+49 999 777 9981</bmecat:PHONE>
        <bmecat:FAX>+49 999 777 9900</bmecat:FAX>
        <bmecat:EMAILS>max@mustermann.de</bmecat:EMAILS>
    </CONTACT_DETAILS>
    <bmecat:STREET>Nobelstr. 12</bmecat:STREET>
    <bmecat:ZIP>70569</bmecat:ZIP>
    <bmecat:CITY>Stuttgart</bmecat:CITY>
    <bmecat:STATE>Baden-Württemberg</bmecat:STATE>
    <bmecat:COUNTRY>Germany</bmecat:COUNTRY>
    <bmecat:COUNTRY_CODED>DE</bmecat:COUNTRY_CODED>
    <bmecat:VAT_ID>DE 129515865</bmecat:VAT_ID>
    <bmecat:PHONE>+49 345 ECOMMERCE</bmecat:PHONE>
    <bmecat:FAX>+49 555 77 88 99</bmecat:FAX>
    <bmecat:EMAIL>info@iao.fraunhofer.de</bmecat:EMAIL>
    <bmecat:URL>http://www.fraunhofer.de</bmecat:URL>
</ADDRESS>
```

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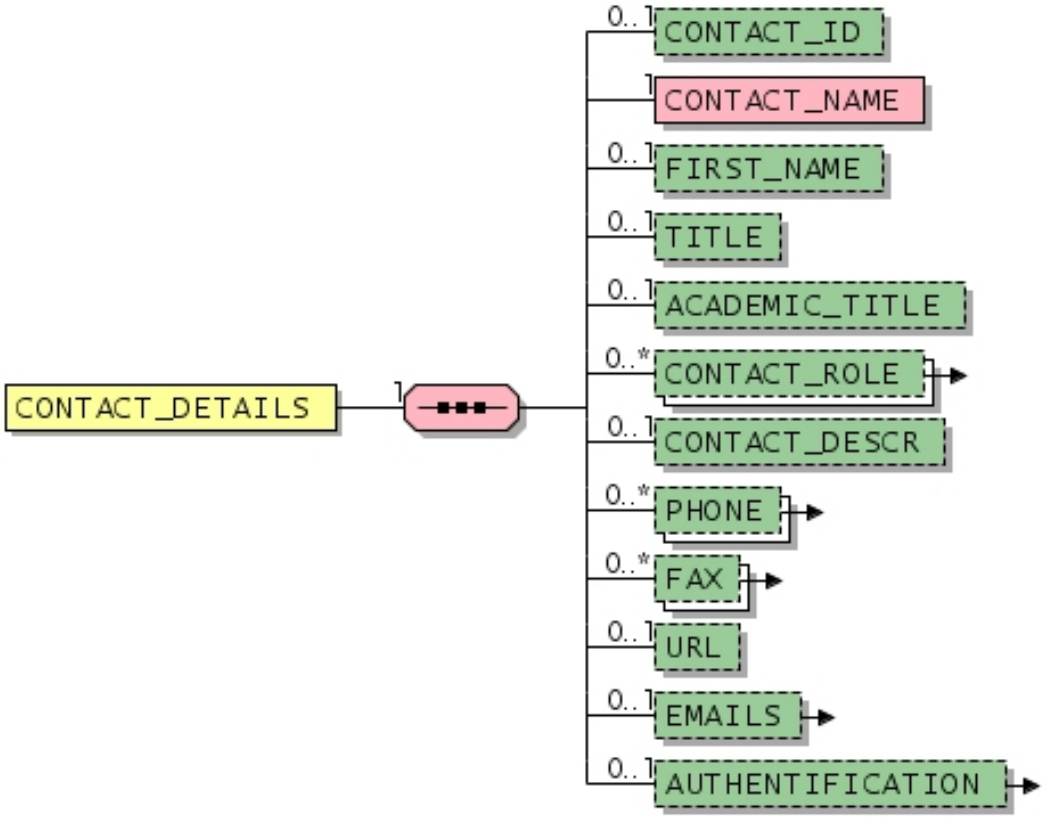
CONTACT_DETAILS

(Contact)

This element contains informations about a contact person.

New element
The sub-elements **PHONE** und **FAX** may occure more than once, due to their type-attribute.
AUTHENTIFICATION was added as sub-element.
Changed sub-element **CONTACT_ID** to optional. Example added.



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General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ADDRESS	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Contact ID	**CONTACT_ID**	Optional	Single	Unique ID of the contact person. *namespace: BMECAT* New element The maximum length has been extended from 50 characters to 60 characters.	-	**dtSTRING**	60	-	2005
Contact name	**CONTACT_NAME**	Mandatory	Single	Last name of the contact *namespace: BMECAT* New element	-	**dtML-STRING**	50	Yes	2005fd
First name	**FIRST_NAME**	Optional	Single	First name of the contact person *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-
Title	**TITLE**	Optional	Single	Form of address, e.g., Mr., Ms. *namespace: BMECAT* New element	-	**dtML-STRING**	20	Yes	2005fd
Academic title	**ACADEMIC_TITLE**	Optional	Single	Academic title of the contact person, e.g., Dr. *namespace: BMECAT* New element	-	**dtML-STRING**	50	Yes	2005fd
Role	**CONTACT_ROLE - type**	Optional	Multiple	Role or position of a contact 	-	**dtML-STRING**	50	Yes	2005fd
Contact description	**CONTACT_DESCR**	Optional	Single	Additional information on the contact person *namespace: BMECAT* New element	-	**dtML-STRING**	250	Yes	2005fd
Phone number	**PHONE - type**	Optional	Multiple	Phone number including type *namespace: BMECAT* 	-	**dtML-STRING**	50	Yes	2005fd
Fax number	**FAX - type**	Optional	Multiple	Fax number *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Internet address	**URL**	Optional	Single	URL of the web site, e.g., http://www.bmecat.org *namespace: BMECAT* The maximum length has been extended from 100 characters to 250 characters.	-	**dtSTRING**	255	-	2005fd
E-mail addresses	**EMAILS**	Optional	Single	List of e-mail addresses *namespace: BMECAT* 	-	-	-	-	2005fd
Authentification information	**AUTHENTIFICATION**	Optional	Single	Authentification information *namespace: BMECAT* 	-	-	-	-	2005fd

Example

```
<CONTACT_DETAILS>
    <bmecat:CONTACT_ID>MA02</bmecat:CONTACT_ID>
    <bmecat:CONTACT_NAME>Doe</bmecat:CONTACT_NAME>
    <bmecat:FIRST_NAME>John</bmecat:FIRST_NAME>
    <bmecat:ACADEMIC_TITLE>Phd</bmecat:ACADEMIC_TITLE>
</CONTACT_DETAILS>
```

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CONTACT_ROLE

(Role)

This element describes the role or position of the contact person.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
CONTACT_DETAILS	-	**dtML-STRING**	50	Yes	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coded role	type	Optional	This attribute contains the role or position as a machine-readable code. * The list of pre defined values was extended. New items are 'document_issuer' (intermediator), 'market-place', 'payer', 'remittee' and 'central_regulator' (regulator for centralized settlement). See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	20v3

Permitted values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Administrative	administrativ	Contact concerning administrative questions	2005fd
Commercial	commercial	Contact concerning commercial questions	2005fd
document trigger	document_issuer	The one who triggered the document, e.g. the one who placed an order.	20v3
Special treatment	special_treatment	Contact concerning the handling of special products	2005fd
Technical	technical	Contact concerning technical questions	2005fd
Other	others	Contact concerning general questions	2005fd

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PHONE

(Phone number) *namespace: BMECAT*

This element contains a phone number. The respective attribute defines the type of the phone.

*

The maximum length has been extended from 30 characters to 50 characters.

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ADDRESS, **CONTACT_DETAILS**	-	**dtML-STRING**	50	Yes	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Type of phone number	type	Optional	Specifies the type of the phone number. * New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	2005fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Mobile telephone	mobile	Mobile phone number	2005fd
Office	office	Office phone number	2005fd
Private	private	Private phone number	2005fd
Self-defined type	User defined value, format: \w{1,50}	Phone types may be self-defined and have to be 1 character at the minimum and not more than 50 characters.	2005fd

Example

```
<PHONE type="office">+49 201 183 4084</PHONE>
<PHONE type="private">+49 201 12345678</PHONE>
<PHONE type="mobile">+49 170 12345678</PHONE>
```

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FAX

(Fax number) *namespace: BMECAT*

This element contains a fax number.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ADDRESS, **CONTACT_DETAILS**	-	**dtML-STRING**	50	Yes	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Phone type	type	Optional	Specifies the type of the phone number. * New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	2005fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Office	office	Office fax number	2005fd
Private	private	Private fax number	2005fd
Self-defined type	User defined value, format: \w{1,50}	Fax types may be self-defined and have to be 1 character at the minimum and not more than 50 characters.	2005fd

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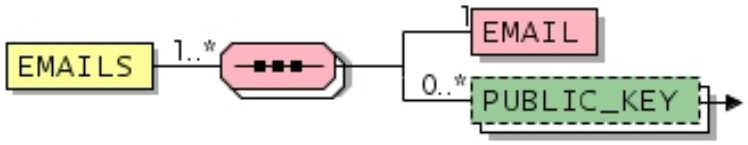
EMAILS

(E-mail addresses) *namespace: BMECAT*

This element contains a list of e-mail addresses.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
CONTACT_DETAILS	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
E-mail address	**EMAIL**	Mandatory	Single	e-mail address *namespace: BMECAT* The maximum length has been extended from 100 characters to 250 characters.	-	**dtSTRING**	255	-	2005fd
Public key	**PUBLIC_KEY** **- type**	Optional	Multiple	Public key, e.g. PGP *namespace: BMECAT*	-	**dtSTRING**	64000	-	1.2_fd

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PUBLIC_KEY

(Public key) *namespace: BMECAT*

Indicates the public key, e.g. PGP, of the person addressed here.

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ADDRESS, **EMAILS**	-	**dtSTRING**	64000	-	1.2_fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Type of coding process	type	Mandatory	This attribute indicates the Public Key coding process in which the e-mail is coded. Must comply with the format "<Name>-<MajorVersion>.<MinorVersions>". Example.: PGP-6.5.1	-	**dtSTRING**	50	-	1.2_fd

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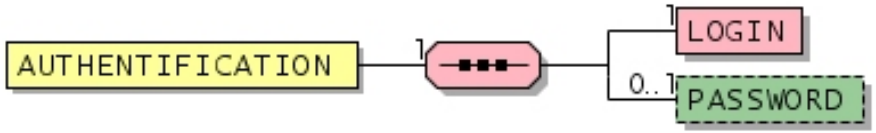
AUTHENTIFICATION

(Authentification information) *namespace: BMECAT*

This element contains authentification information that is forwarded to the respective application.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
CONTACT_DETAILS	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Login	**LOGIN**	Mandatory	Single	Login as part of the authentification *namespace: BMECAT* New element	-	**dtSTRING**	60	-	2005fd
Password	**PASSWORD**	Optional	Single	Password for the login. *namespace: BMECAT* New element	-	**dtSTRING**	20	-	2005fd

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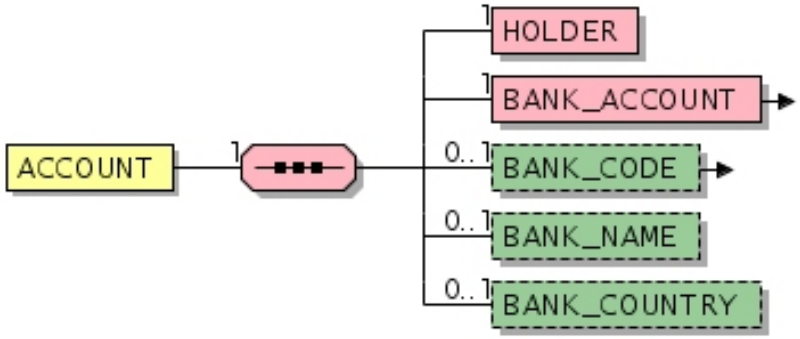
ACCOUNT

(Bank account)

The ACCOUNT element summarizes information about bank accounts.

The sub-element **PAYMENT_TERM** was deferred to the element **PAYMENT_TERMS**.
Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PARTY	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Account holder	**HOLDER**	Mandatory	Single	Name of the account holder	-	**dtSTRING**	50	-	2.0
Account number	**BANK_ACCOUNT - type**	Mandatory	Single	Code to identify an account; the attribute "type" determines the coding of the account Many coding-standards do not allow that the credit institution or bank is stored in the account number. In those cases the credit institution is quoted via the **BANK_CODE**-element.	-	**dtSTRING**	100	-	20fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Bank code	**BANK_CODE** **- type**	Optional	Single	Bank identification number; the attribute "type" indicates the coding of this number	-	**dtSTRING**	50	-	20v2
Bank name	**BANK_NAME**	Optional	Single	Name of the bank	-	**dtSTRING**	50	-	2.0
Country	**BANK_COUNTRY**	Optional	Single	Country in which the bank account is managed.	-	**dtCOUN-TRIES**	-	-	2.0

Example

```
<ACCOUNT>
    <HOLDER>Power Supply Corp.</HOLDER>
    <BANK_ACCOUNT type="iban">DE00111122223333123</BANK_ACCOUNT>
    <BANK_CODE type="bic">11110011222</BANK_CODE>
    <BANK_NAME>Good Bank</BANK_NAME>
    <BANK_COUNTRY>DE</BANK_COUNTRY>
</ACCOUNT>
```

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BANK_ACCOUNT

(Account number)

Code to identify an account; the attribute "type" determines the coding of the account

Many coding-standards do not allow that the credit institution or bank is stored in the account number. In those cases the credit institution is quoted via the **BANK_CODE**-element.

New attribut 'type' inserted.
New attribut 'standard' inserted.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ACCOUNT	-	**dtSTRING**	100	-	20fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Coding of the account number	type	Optional	Attribute indicating the coding-standard for the account number. New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	20	-	20v2

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Bank Account Number	standard	Bank account number, in opposite to the IBAN-Coding without informations to the credit institution. In case of the value 'standard' of the attribute 'type', for unique identification the element **BANK_CODE** must be specified.	20v2
International Bank Account Number	iban	global unique identifier of an account including coding of the credit institution (ISO 13616:2003); **http://www.swift.com/index.cfm?item_id=61731**	20v2

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
User defined type	User defined value, format: \w{1,20}	Identification of the user defined type . "\w{1,20}" means that the type identification has to be at least 1 chraracter long up to a maximum of 20 characters.	20v2

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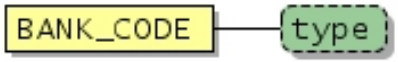
BANK_CODE

(Bank code)

Bank identification number; the attribute "type" indicates the coding of this number

*

Added new attribute 'type'.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ACCOUNT	-	**dtSTRING**	50	-	20v2

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding of the bank identification number	type	Optional	The attribute indicates the coding of the bank code. * New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	20	-	20v2

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Bank Identifier Code	bic	Bank Identification according to the SWIFT Coding (ISO 9362); **http://www.swift.com**	20v2
User defined type	User defined value, format: \w{1,20}	Identification of the user defined type . "\w{1,20}" means that the type identification has to be at least 1 chraracter long up to a maximum of 20 characters.	20v2

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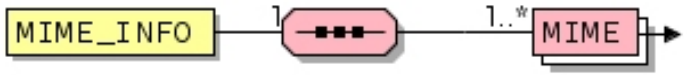
MIME_INFO

(Additional multimedia information)

This element can be used to specify references to additional multimedia documents belonging to a particular article. This makes it possible, for example, to reference photographs or product data sheets of an article at the same time as the catalog data is exchanged.

It is assumed that this additional data either is transferred (separately) and that it is imported relative to the directory specified in the **HEADER** as **MIME_ROOT** or the additional data is directly integrated and binary-coded in the document.

This element can contain any number of **MIME** elements. Each of these elements represents exactly one reference to an additional document. The definition of the **MIME** element is based on the MIME format (Multipurpose Internet Mail Extensions). The MIME format serves to standardize data transfers over the Internet. Additional examples can be found one the page describing the element **MIME**.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FEATURE_CONTENT, **FT_VALUE**, **ORDERRESPONSE_INFO**, **ORDERRESPONSE_ITEM**, **PARTY**	-	-	-	-	-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Multimedia document	**MIME**	Mandatory	Multiple	Information about a multimedia file. The file itself is can be referenced and transferred separately or direclty binary-coded in the document via the element **MIME_EMBEDDED**. *	-	-	-	-	21fd

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Example

```
<MIME_INFO>
    <MIME>
        <bmecat:MIME_TYPE>image/jpeg</bmecat:MIME_TYPE>
        <bmecat:MIME_SOURCE>55-K-31.jpg</bmecat:MIME_SOURCE>
        <bmecat:MIME_DESCR>Frontal view of the standard DIN A4 letter tray</bmecat:MIME_DESCR>
        <bmecat:MIME_ALT>Image of the standard DIN A4 letter tray</bmecat:MIME_ALT>
        <MIME_PURPOSE>thumbnail</MIME_PURPOSE>
    </MIME>
    <MIME>
        <MIME_EMBEDDED>
            <MIME_DATA contentType="image/jpeg">bnVyIGVpbiBUZXN0bGF1Zg==</MIME_DATA>
        </MIME_EMBEDDED>
        <bmecat:MIME_DESCR>Vorderansicht</bmecat:MIME_DESCR>
        <bmecat:MIME_ALT>Bild Charlie</bmecat:MIME_ALT>
        <MIME_PURPOSE>freehand_sketch</MIME_PURPOSE>
    </MIME>
</MIME_INFO>
```

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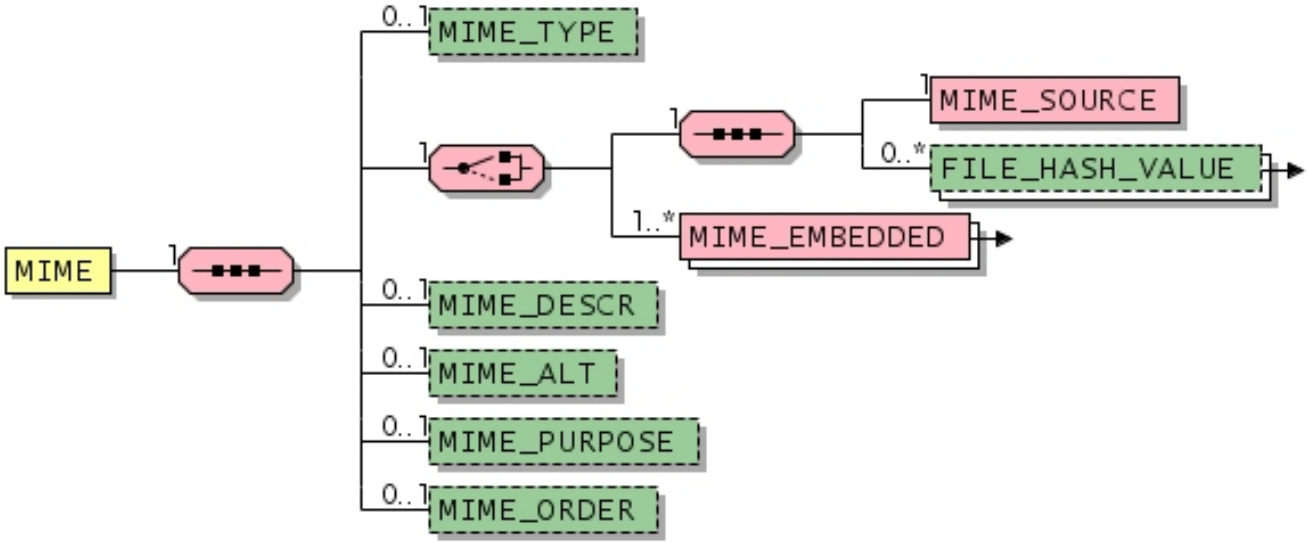
MIME

(Multimedia document)

Information about a multimedia file. The file itself is can be referenced and transferred separately or direclty binary-coded in the document via the element **MIME_EMBEDDED**.

The element **MIME_EMBEDDED** was added.
Examples adapated.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
MIME_INFO	-	-	-	-	21fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
MIME type	**MIME_TYPE**	Optional	Single	Type of the additional document; this element is oriented towards the mime type usual in the Internet (**ftp://ftp.isi.edu/in-notes/rfc1341.txt**) *namespace: BMECAT* The element is now mandatory. The receipient can now better process the incoming data since the format is always known. See also: **Predefined values for element MIME_TYPE**	-	**dtSTRING**	30	-	21fd
Source	**MIME_SOURCE**	Mandatory	Single	The relative path and the file name or URL address. The MIME_SOURCE string is combined with the base path (**MIME_ROOT**) specified in the header of the document (attached to it by means of a simple contecatenation). Sub-directories must be separated by means of slashes ("/") (e.g. /public/document/demo.pdf). *namespace: BMECAT*	-	**dtML-STRING**	255	Yes	-
Hash value of a file	**FILE_HASH_VALUE** **- type** **- lang**	Optional	Multiple	Element contains a hash value related to an external file 	-	**dtSTRING**	100	-	21fd
Embedded document	**MIME_EMBEDDED** **- lang**	Mandatory	Multiple	Element containing a binary-coded file and additional information 	-	-	-	-	20v2
Designation	**MIME_DESCR**	Optional	Single	Description of the additional file. It will be displayed in the target system. *namespace: BMECAT*	-	**dtML-STRING**	250	Yes	-
Alternative text	**MIME_ALT**	Optional	Single	Alternative text used if the file cannot be represented in the target system, for example. *namespace: BMECAT* The maximum length has been extended from 50 characters to 80 characters.	-	**dtML-STRING**	80	Yes	2005fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Purpose	**MIME_PURPOSE**	Optional	Single	Desired purpose for which the MIME document is to be used in the target system. The list of allowed values has been extended by 'icon' and 'safety_data_sheet'. The list of allowed values has been extended by 'manual' (manual of a product), 'directions' (directions sketch), 'conformity' (declaration of conformity), 'fax_image' (copy of a fax), 'freehand_sketch' (freehand sketch), 'mounting_guidelines' (assembly guide or installation guide etc.), 'repair_manual' (repair instructions), 'service_descr' (service description), 'service_record' (activity confirmation, record of achievment etc.) and 'warranty' (warranty). The list of allowed values has been extended by 'verification_report' (Report of verification process). The list of allowed values has been extended by 'signatur_file' (file with an external signature) and 'original_document' (the original document). See also: **Permitted values for element MIME_PURPOSE**	-	**dtSTRING**	20	-	20v3
Order	**MIME_ORDER**	Optional	Single	Order in which the additional data is to be represented in the target system. When additional documents are listed they should be represented in ascending order (the first document is the one with the lowest number). *namespace: BMECAT*	-	**dtINTEGER**	-	-	-

Predefined values for element MIME_TYPE

Designation	Element value	Explanation	I.chg. in ver.
PDF document	application/pdf	(Local) Acrobat PDF format	-
XML file	application/xml	(Local) XML file (see also **http://www.w3.org/TR/xhtml-media-types/xhtml-media-types.html**)	2005fd
GIF	image/gif	(Local) image/graphic in GIF format	-
JPEG	image/jpeg	(Local) image/graphic in JPEG format	-
HTML	text/html	(Local) document in HTML format (within the catalog file system; see also **http://www.w3.org/TR/xhtml-media-types/xhtml-media-types.html**)	-
Text	text/plain	(Local) unformatted text file	-
URL	url	Link to a resource on the Internet (or Intranet); this is not an official MIME type but will be used here anyway. Example: "http://www.bmecat.org"	-
...	User defined value, format: [\w\-\.]{1,30}	All MIME types can be used. It cannot be guaranteed, however, that the target systems will be able to represent them.	-

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Permitted values for element MIME_PURPOSE

Designation	Element value	Explanation	l.chg. in ver.
Declaration of conformity	conformity	Declaration of conformity to confirm the conform usage of norms and standards New value	20v2
Product data sheet	data_sheet	Product data sheet (e.g. a technical drawing)	-
Detail view	detail	Enlarged image	-
Directions sketch	directions	Directions sketch, map of building or city map New value	20v2
Copy of a fax	fax_image	Electronic copy of the original New value	20v2
Freehand sketch	freehand_sketch	Freehand sketch of something (product etc.) New value	20v2
Icon	icon	Small icon, e.g to indicate the fullfilment of a standard New value	2005fd
Logo	logo	Product or partner logo	1.2_fd
Manual	manual	Manual of the product New value	20v2
Mounting guide	mounting_guidelines	Mounting, assembly or installation guide New value	20v2
Normal view	normal	Normal view (normal size)	-
Original document	original_document	Representation of the document in human readable form (e.g. as PDF-file or graphic) New value	20fd

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Permitted values for element MIME_PURPOSE

Designation	Element value	Explanation	I.chg. in ver.
Repair instructions	repair_manual	Repair instructions for a product New value	20v2
Safety data sheet	safety_data_sheet	Safety data sheet (for dangerous materials, for example) New value	2005fd
Signatur file	signatur_file	File containing an external signatur New value	20fd
Service description	service_descr	Description of the offered service or produkt New value	20v2
Service record	service_record	Record of the activity, performance, achievment or a copy of the original New value	20v2
Thumbnail view	thumbnail	Preview (small)	-
Report of verification	verification_report	Report of verification or test-processes New value	20v3
Warranty	warranty	Warranty certificate New value	20v2
Others	others	Should none of the other values be suitable, others can be used.	-

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Example 1
References to an image file and a product data sheet belonging to the “Charlie casual shirt” must be transferred at the same time as the product data is being exchanged.

```
<MIME_INFO>
    <MIME>
        <bmecat:MIME_TYPE>image/jpeg</bmecat:MIME_TYPE>
        <bmecat:MIME_SOURCE>charlie.jpg</bmecat:MIME_SOURCE>
        <FILE_HASH_VALUE type="sha1">9bae0ce526a7b30275ac0d3bdfe3c90e41def6ed</FILE_HASH_VALUE>
        <bmecat:MIME_DESCR>Front view of our casual shirt</bmecat:MIME_DESCR>
        <bmecat:MIME_ALT>Photo of Charlie</bmecat:MIME_ALT>
        <MIME_PURPOSE>normal</MIME_PURPOSE>
    </MIME>
    <MIME>
        <bmecat:MIME_TYPE>application/pdf</bmecat:MIME_TYPE>
        <bmecat:MIME_SOURCE>charlie.pdf</bmecat:MIME_SOURCE>
        <FILE_HASH_VALUE type="sha1">72506ebaf7df4b02e79284ae86684327c908fec6</FILE_HASH_VALUE>
        <bmecat:MIME_DESCR>Designation of the production process</bmecat:MIME_DESCR>
        <bmecat:MIME_ALT>PDF file belonging to Charlie</bmecat:MIME_ALT>
        <MIME_PURPOSE>data_sheet</MIME_PURPOSE>
    </MIME>
</MIME_INFO>
```

Example 2
An image file belonging to the “Charlie casual shirt” is transferred directly in the document.

```
<MIME_INFO>
    <MIME>
        <bmecat:MIME_SOURCE>charlie.jpg</bmecat:MIME_SOURCE>
        <MIME_EMBEDDED>
            <MIME_DATA contentType="image/jpeg">bnVyIGVpbiBUZXN0bGF1Zg==</MIME_DATA>
        </MIME_EMBEDDED>
        <bmecat:MIME_DESCR>Front view of our casual shirt</bmecat:MIME_DESCR>
        <bmecat:MIME_ALT>Photo of Charlie</bmecat:MIME_ALT>
        <MIME_PURPOSE>normal</MIME_PURPOSE>
    </MIME>
</MIME_INFO>
```

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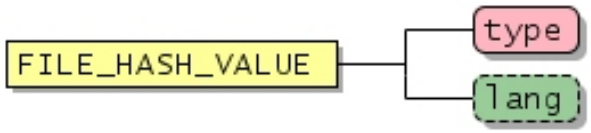
FILE_HASH_VALUE

(Hash value of a file)

The element contains a hash value to an external refered file. The hash value can be used to check if the file was changed since the last generation of the hash value. Generally hash values serve as input for data comparison tasks.

This element can only be used once per language in a document.

New element
A list of available values was added. Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
MIME	-	**dtSTRING**	100	-	21fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Methods of Hashing	type	Mandatory	The attribute indicates the used hash-function. In germany the BNetzA or BSI guidelines are fundamental for legal certainity, therefore the used hash-function should match the guidelines. New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	20fd
Language version of the file	lang	Optional	The attribute "lang" indicates the language of the referenced file in **MIME_SOURCE**. New attribute	-	**dtLANG**	-	-	20fd

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
SHA512	SHA512	SHA-512 Hash-function.	21fd
SHA384	SHA384	SHA-384 Hash-function.	21fd
SHA256	SHA256	SHA-256 Hash-function.	21fd
SHA1	SHA1	SHA-1 Hash-function.	21fd
MD5	MD5	MD5 Hash-function.	21fd
RIPEMD128	RIPEMD128	RIPEMD-128 Hash-function.	21fd
RIPEMD160	RIPEMD160	RIPEMD-160 Hash-function.	21fd
RIPEMD256	RIPEMD256	RIPEMD-256 Hash-function.	21fd
RIPEMD320	RIPEMD320	RIPEMD-320 Hash-function.	21fd
Tiger192	Tiger192	Tiger-192 Hash-function.	21fd
Tiger160	Tiger160	Tiger-160 Hash-function.	21fd
Tiger128	Tiger128	Tiger-128 Hash-function.	21fd
HAVAL	HAVAL	HAVAL Hash-function.	21fd
PANAMA	PANAMA	PANAMA Hash-function.	21fd
WHIRLPOOL	WHIRLPOOL	WHIRLPOOL Hash-function.	21fd
LM-Hash	LMHash	LM-Hash-function.	21fd
NTLM	NTLM	NTLM Hash-function.	21fd
Userdefined type	User defined value, format: \w{1,50}	Any other or future Hash-function in format \w{1,50}. Regular Expression valid for any letter or number excluding whitespaces.	21fd

Example

```
<FILE_HASH_VALUE type="MD5">54fec8f377b45af5d6c78974g88ba98</FILE_HASH_VALUE>
```

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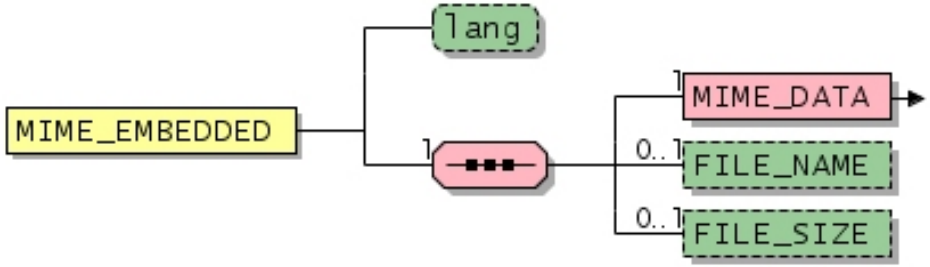
MIME_EMBEDDED

(Embedded document)

The element consists of a sub-element for the transmission of a file and sub-elements containing additional information (e.g. file name).

The element can only be used once per language, for example if three languages are implemented in the document this element can be used three times.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
MIME	-	-	-	-	20v2

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Language version of the file	lang	Optional	The attribute "lang" specifies the language of the embedded file. The encoding of the attribute value follows the corresponding data type **dtLANG**. This enables the implementation of more than one language in one document (see also **Chapter: multilingual documents**). In case of specifying more than one single-declared element to support a multilingual document all "lang"-attributes must contain different values (one unique value per language). New attribute	-	**dtLANG**	-	-	20v2

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Coded data of the file	**MIME_DATA - contentType**	Mandatory	Single	Element contains binary-coded file	-	**base64Binary**	-	-	20v2
Filename	**FILE_NAME**	Optional	Single	Name of the file New element	-	**dtSTRING**	250	-	20v2
Filesize	**FILE_SIZE**	Optional	Single	Size of the File in Byte New element	-	**dtCOUNT**	-	-	20v2

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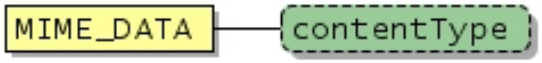
MIME_DATA

(Coded data of the file)

The element contains a binary-coded file, therefore the file is not referenced but included in the XML-document. The coded file must be generated using the 'base64' binary-to-text encoding scheme. See also **http://www.ietf.org/rfc/rfc2045.txt** for further details related to the base64 encoding scheme. For further details on how to embed files in XML-files visit **http://www.w3.org/TR/xml-media-types/**.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
MIME_EMBEDDED	-	**base64Binary**	-	-	20v3

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
File type	contentType	Optional	The attribute specifies the type of the embedded document according to the common used MIME-Types in the world wide web (**ftp://ftp.isi.edu/in-notes/rfc1341.txt**). The attribute is equivalent to the element **MIME_TYPE** but should be specified to ensure a better compatibility to the w3c-recommendation (**http://www.w3.org/TR/xml-media-types/**). New attribute	-	**string**	-	-	20v2

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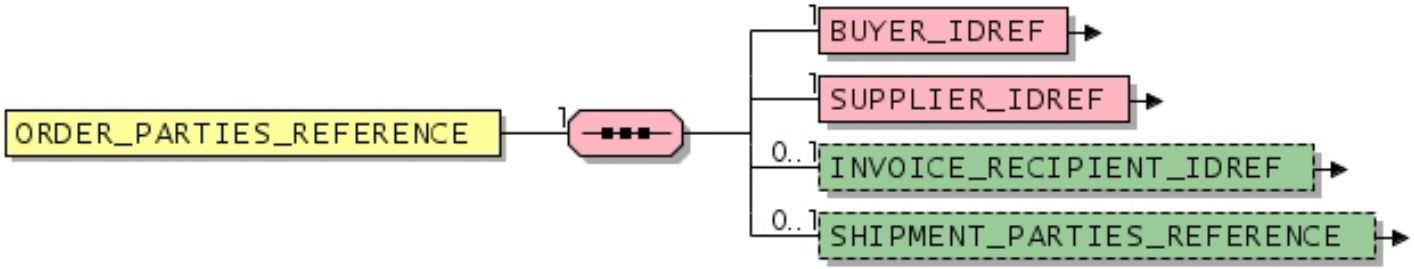
ORDER_PARTIES_REFERENCE

(Business partners)

Reference to the business partners integrated in the process of the document flow.

In combination with the element **PARTY**, this new element replaces the element ORDER_PARTIES.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_INFO	-	-	-	-	20v3

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to the buyer	**BUYER_IDREF - type**	Mandatory	Single	Reference to the buyer. It contains the unique identifier (**PARTY_ID**) of the respective party that is defined in the document (**PARTY** element). *namespace: BMECAT*	-	**dtSTRING**	250	-	2005fd
Reference to supplier	**SUPPLIER_IDREF - type**	Mandatory	Single	Reference to the supplier. It contains the unique identifier (**PARTY_ID**) of the respective party that is defined in the document (element **PARTY**). *namespace: BMECAT*	-	**dtSTRING**	250	-	2005fd
Reference to the recipient of the invoice	**INVOICE_RECIPIENT_IDREF - type**	Optional	Single	Reference to an unique identifier to the recipient of the invoice. The element refers to a **PARTY_ID** of an invoice recipient in the same document	-	**dtSTRING**	250	-	20v2
Shipment parties	**SHIPMENT_PARTIES_REFERENCE**	Optional	Single	Refers to business partners integrated in the process of the goods delivery procedure.	-	-	-	-	20v3

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BUYER_IDREF

(Reference to the buyer) *namespace: BMECAT*

This element contains a reference to the buyer. The reference has to point to a (**PARTY_ID**) that is defined in the document (**PARTY** element).

This new element replaces together with the **PARTY** element the **BUYER** element.

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDER_PARTIES_REFERENCE	-	**dtSTRING**	250	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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SUPPLIER_IDREF

(Reference to supplier) *namespace: BMECAT*

This element contains the unique identifier (**PARTY_ID**) of the respective party that is defined in the document (element **PARTY**).

This new element together with the **PARTY** replaces the **SUPPLIER** element.

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDER_PARTIES_REFERENCE, **PRODUCT_ID**	-	**dtSTRING**	250	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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INVOICE_RECIPIENT_IDREF

(Reference to the recipient of the invoice)

Reference to an unique identifier to the recipient of the invoice. The element refers to a **PARTY_ID** of an invoice recipient in the same document.

If the document is used as a credit memo or advice of amendment (see also **INVOICE_TYPE**) the refered party of **INVOICE_RECIPIENT_IDREF** is also the supplier.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDER_PARTIES_REFERENCE	-	**dtSTRING**	250	-	20v2

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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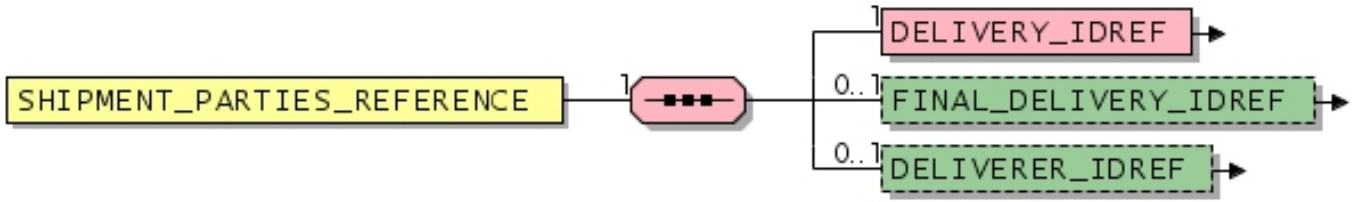
SHIPMENT_PARTIES_REFERENCE

(Shipment parties)

Refers to business partners integrated in the process of the goods delivery procedure.

The element replaces the element ORDER_PARTIES in combination with **PARTY**.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_ITEM, **ORDER_PARTIES_REFERENCE**	-	-	-	-	20v3

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Reference to final recipient	**DELIVERY_IDREF - type**	Mandatory	Single	Reference to the unique identifier of the final recipient (shipping address and contact). The element has to refer to a **PARTY_ID** in the same document.	-	**dtSTRING**	250	-	20v2
Reference to a final recipient	**FINAL_DELIVERY_IDREF - type**	Optional	Single	Reference to a unique identifier of the final recipient. The element has to refer to a **PARTY_ID** in the same document	-	**dtSTRING**	250	-	20v2
Reference to a carrier	**DELIVERER_IDREF - type**	Optional	Single	Reference to an unique identifier of a carrier. This element has to refer to a **PARTY_ID** in the same document.	-	**dtSTRING**	250	-	20v2

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DELIVERY_IDREF

(Reference to final recipient)

Reference to the unique identifier of the final recipient (shipping address and contact). The element has to refer to a **PARTY_ID** in the same document.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
SHIPMENT_PARTIES_REFERENCE	-	**dtSTRING**	250	-	20v2

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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FINAL_DELIVERY_IDREF

(Reference to a final recipient)

Reference to a unique identifier of the final recipient. The element has to refer to a **PARTY_ID** in the same document.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
SHIPMENT_PARTIES_REFERENCE	-	**dtSTRING**	250	-	20v2

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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DELIVERER_IDREF

(Reference to a carrier)

Reference to an unique identifier of a carrier. This element has to refer to a **PARTY_ID** in the same document.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
SHIPMENT_PARTIES_REFERENCE	-	**dtSTRING**	250	-	20v2

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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DOCEXCHANGE_PARTIES_REFERENCE

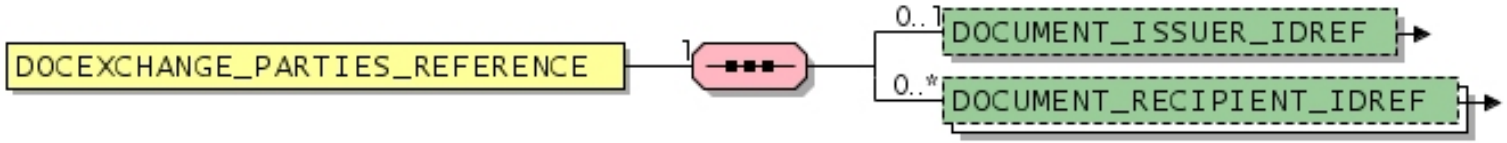
(Document exchange parties)

The element contains references to the partners woh take part in the document exchange.

The first case to use this element is when various parties like intermediators, market-places or service providers are involved in parts of the processing (especially in the case of a centralized settlement). The second case is the usage of business documents which appear in different forms where the document-flow changes.

Example:
In the case of a payment advice the roles do not specify if the payer sends the document to explain a remittance or the remittee sends the document to explain a direct debit.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_INFO	-	-	-	-	20v3

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Reference to the document issuer	**DOCUMENT_ISSUER_IDREF - type**	Optional	Single	The element refers to a unique identifier of the initiator or issuer of the business document. The element refers to a **PARTY_ID** in the same document	-	**dtSTRING**	250	-	20v3
Reference to the document recipient	**DOCUMENT_RECIPIENT_IDREF - type**	Optional	Multiple	The element refers to a unique identifier of the recipient of the business document. The element refers to a **PARTY_ID** in the same document	-	**dtSTRING**	250	-	20v3

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DOCUMENT_ISSUER_IDREF

(Reference to the document issuer)

The element refers to a unique identifier of the initiator or issuer of the business document. The element refers to a **PARTY_ID** in the same document.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
DOCEXCHANGE_PARTIES_REFERENCE	-	**dtSTRING**	250	-	20v3

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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DOCUMENT_RECIPIENT_IDREF

(Reference to the document recipient)

The element refers to a unique identifier of the recipient of the business document. The element refers to a **PARTY_ID** in the same document.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
DOCEXCHANGE_PARTIES_REFERENCE	-	**dtSTRING**	250	-	20v3

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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REMARKS

(Remark)

This element contains remarks related to a business document.

The remark is identified with the attribute "type" for use in different business documents.

It is only permissible to identify remarks for use in this or the following business documents using the attribute "type".

Target systems are recommended to ignore remarks about previous business documents (History).

It is permissible to use the element more than once with the same "type" attribute.

Format: The following HTML tags are supported: <b> for bold, <i> for italic, <p> for paragraphs, <br> for line break and <ul>/<li> for lists. In order to transfer these, the characters '<' and '>' must be enclosed in quotation marks, or the file will not be accepted by the XML parser (see also chapter **Character encoding in XML**).

Example: '<' = < or '>' = >

The target system must support the interpretation of the day in order to achieve the desired formatting.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_INFO, **ORDERRESPONSE_ITEM**	-	**dtML-STRING**	64000	Yes	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Type of remark	type	Optional	Specifies the type of remark. The remark is identified for use in a variety of business documents. The business partner processing the document which matches the attribute evaluates the information contained, otherwise the information is passed on along the process chain. Example: type=deliverynote means that the remark entered appears on the delivery note , e.g. "Please ring at the ramp and ask for Mr Miller". New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	2005fd

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Delivery note	deliverynote	The remark is identified for use in the business document DELIVERYNOTE (general presumption that the delivery note currently exists in paper form only, as document accompanying the goods)	2005fd
Dispatch notification	dispatchnotification	The remark is identified for use in the business document DISPATCHNOTIFICATION	2005fd
General	general	The remark contained is of a general kind and not limited to usage in a specific business document.	2005fd
Invoice	invoice	The remark is identified for use in the business document INVOICE	2005fd
Order	order	The remark is identified for use in the business document ORDER	2005fd
Order change	orderchange	The remark is identified for use in the business document ORDERCHANGE	2005fd
Order response	orderresponse	The remark is identified for use in the business document ORDERRESPONSE	2005fd
Quotation	quotation	The remark is identified for use in the business document QUOTATION	2005fd
Confirmation of receipt of goods	receiptacknowledgement	The remark is identified for use in the business document RECEIPTACKNOWLEDGEMENT	2005fd
Payment advice	remittanceadvice	The remark is identified for use in the business document REMITTANCEADVICE	20v3
Invoice list	invoicelist	The remark is identified for use in the business document INVOICELIST	20v3
Request for submission of quotation	rfq	The remark is identified for use in the business document RFQ	2005fd
Transport	transport	The remark is identified for use in the business document TRANSPORT	2005fd
User defined type	User defined value, format: \w{1,250}	User defined type identification. "\w{1,250}" means that the type identification has to be at least 1 chraracter long up to a maximum of 250 characters.	2005fd

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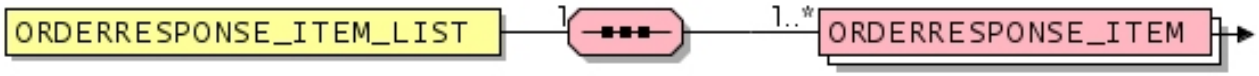
ORDERRESPONSE_ITEM_LIST

(Item level)

The element ORDER_ITEM_LIST represents the list of items in the order. The ORDER_ITEM_LIST is made up of the individual order items.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE	-	-	-	-	2.0

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Item line	**ORDERRESPONSE_ ITEM**	Mandatory	Multiple	The item line contains order information about exactly one item	-	-	-	-	2.0

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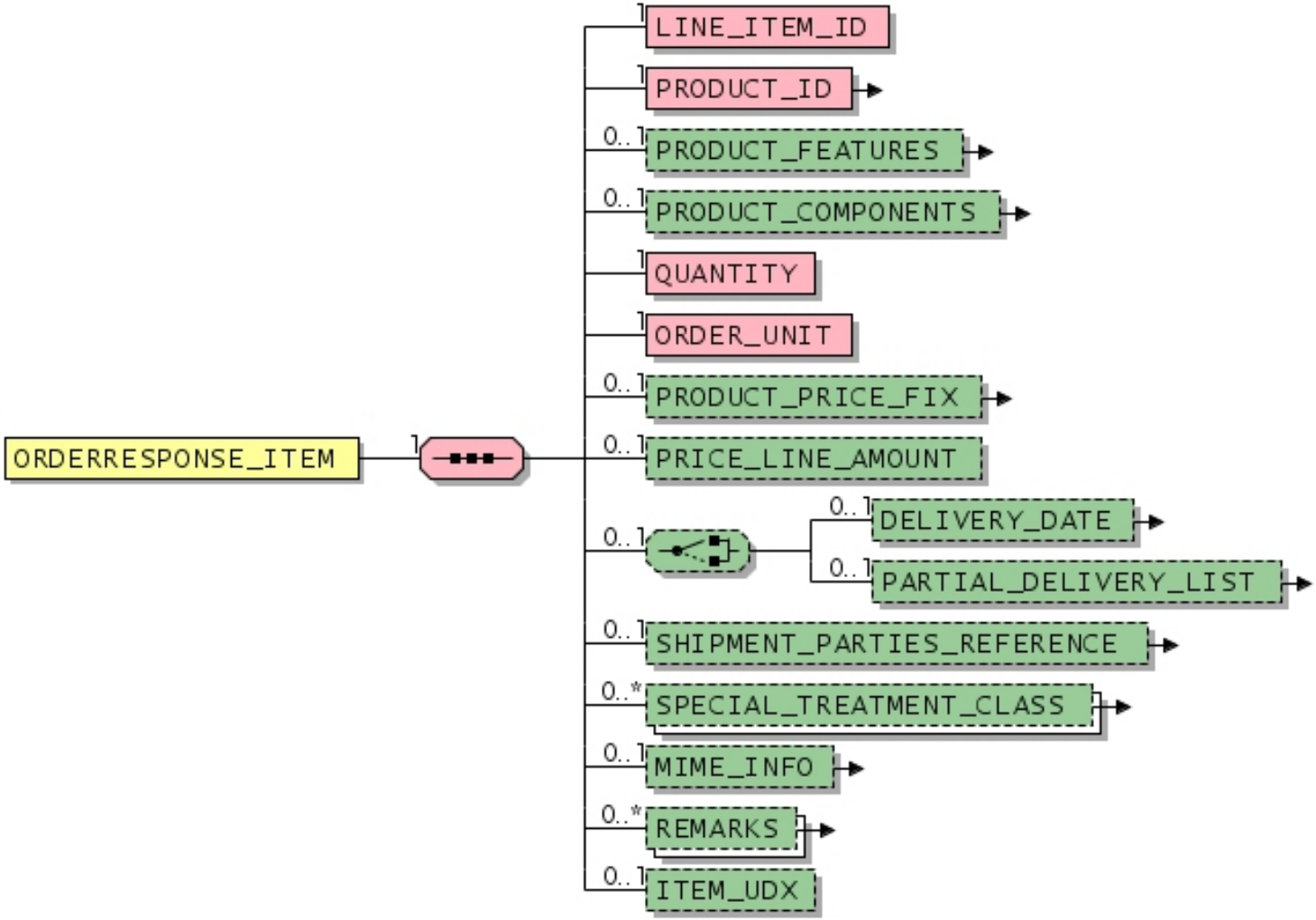
ORDERRESPONSE_ITEM

(Item line)

An item line contains order information on exactly one item. Any number of item lines may be used, and at least one must be used.



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General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_ITEM_LIST	-	-	-	-	2.0

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Item number	**LINE_ITEM_ID**	Mandatory	Single	The item ID number is used to uniquely identify the item line of an order within that order. In combination with the order number and the buyer the item number represents a unique ID number outside the business process concerned.Example.: P100012	-	**dtSTRING**	50	-	2.0
Product number	**PRODUCT_ID**	Mandatory	Single	Identifier of the product. The included elements ensure the capability of a unique identification of a product.	-	-	-	-	21fd
Product features	**PRODUCT_FEATURES**	Optional	Single	Description of the product by features and/or classification of the product	-	-	-	-	21fd
Product components	**PRODUCT_COMPONENTS**	Optional	Single	List of product componentes contained in a product.	-	-	-	-	21fd
Quantity	**QUANTITY**	Mandatory	Single	Quantity	-	**dtNUMBER**	-	-	2.0
Order unit	**ORDER_UNIT**	Mandatory	Single	Unit in which the product can be ordered; it is only possible to order multiples of the product unit. The price also always refers to this unit (or to part of or multiples of it). Example: Crate of mineral water with 6 bottles Order unit: "crate", contents unit/unit of the article: "bottle" Packing quantity: "6" *namespace: BMECAT*	-	**dtPUNIT**	-	-	-
Determined product price	**PRODUCT_PRICE_FIX**	Optional	Single	A fixed product price	-	-	-	-	20v1
Total price of the position	**PRICE_LINE_AMOUNT**	Optional	Single	The total price of the item-line. In the normal case the value results from multiplying **PRICE_AMOUNT** and **QUANTITY** but has to be explicitly quoted. The element **PRICE_LINE_AMOUNT** can result from multiplying **PRICE_AMOUNT** and **PRICE_UNIT_VALUE** if the price is not connected to the ordered unit but to another price-unit. See **PRICE_BASE_FIX** for details.	-	**dtNUMBER**	-	-	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Delivery date	**DELIVERY_DATE - type**	Optional	Single	Date of shipment. The delivery date specifies the date the commissioned goods are accepted by the buyer. If the delivery date deviates from the one specified in the header, the delivery date on item level is valid. To specify exact one date for the shipment, e.g. in the RECEIPTACKNOWLEDGEMENT-document, both sub-elements the **DELIVERY_DATE** and the **DELIVERY_END_DATE** should be the equal.	-	-	-	-	21fd
Partial shipment list	**PARTIAL_DELIVERY_ LIST**	Optional	Single	Information related to items of outstanding partial shipments	-	-	-	-	20v2
Shipment parties	**SHIPMENT_PARTIES_ REFERENCE**	Optional	Single	Refers to business partners integrated in the process of the goods delivery procedure.	-	-	-	-	20v3
Special treatment class	**SPECIAL_TREATMENT_ CLASS - type**	Optional	Multiple	Additional product classification used for hazardous goods or substances, primary pharmaceutical products, radioactive measuring equipment, etc. The “type” attribute specifies the dangerous goods classification scheme. *namespace: BMECAT*	-	**dtSTRING**	20	-	-
Additional multimedia information	**MIME_INFO**	Optional	Single	Information about multimedia files	-	-	-	-	-
Remark	**REMARKS - type**	Optional	Multiple	Remark related to a business document	-	**dtML-STRING**	64000	Yes	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.

User-defined extension	**ITEM_UDX**	Optional	Single	This element can be used for transferring information in user-defined non-openTRANS-elements; hence it is possible to extend the pre-defined set of openTRANS-elements by user-defined ones. The usage of those elements results in openTRANS business documents, which can only be exchanged between the companies that have agreed on these extensions. The structure of these elements can be very complex, though it must be valid XML.
				
				<User Defined Extensions> are defined exclusively as optional fields. Therefore, it is expressly pointed out that if user-defined extensions are used they must be compatible with the target systems and should be clarified on a case-to-case basis.
				The names of the elements must be clearly distinguishable from the names of other elements contained in the openTRANS standard. For this reason, all element must start with the string "UDX" (Example: `<UDX.supplier.elementname>`).
				The definition of user-defined extensions takes place by additional XML DTD or XML Schema files.
				
				New element
				Example: usage of the non-openTRANS elements (XML)
				`<HEADER>`
				`  <CATALOG>`
				`  ...`
				`  </CATALOG>`
				`  ...`
				`  <USER_DEFINED_EXTENSIONS>`
				`  <UDX.MYORG.REBATEGROUP>A1</UDX.MYORG.REBATEGROUP>`
				`  <UDX.MYORG.REBATEFACTOR>0.13</UDX.MYORG.REBATEFACTOR>`
				`  </USER_DEFINED_EXTENSIONS>`
				`</HEADER>`
					-	**udxITEM**	-	-	20v1

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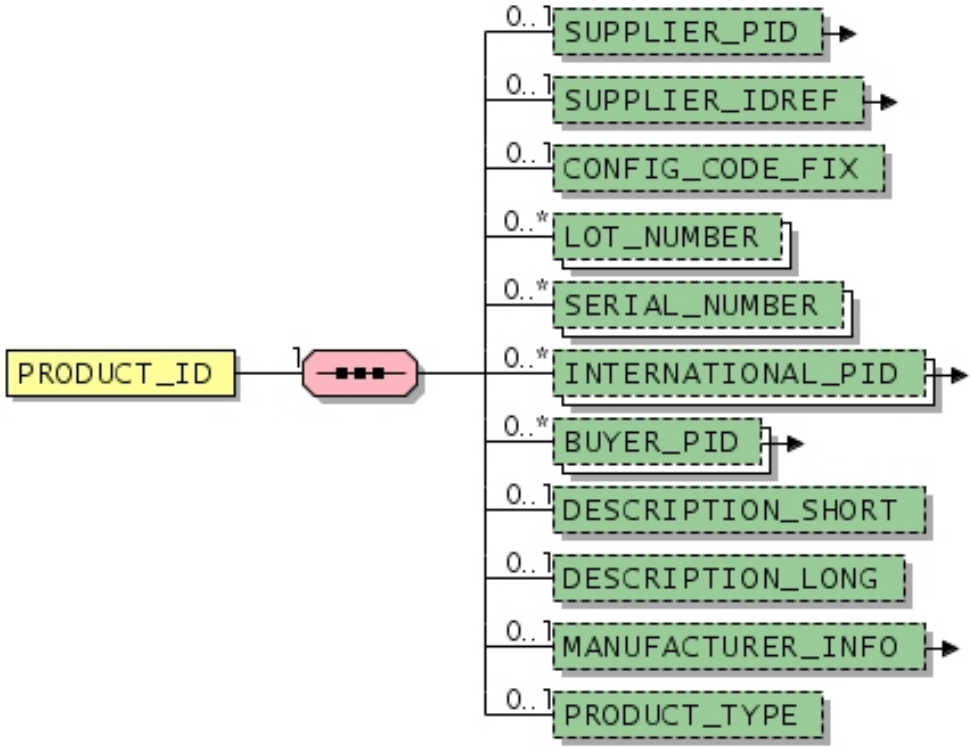
PRODUCT_ID

(Product number)

Identifier of the product. The included elements ensure the capability of a unique identification of a product.

Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_ITEM, **PRODUCT_COMPONENT**	-	-	-	-	21fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Supplier's product ID	**SUPPLIER_PID - type**	Optional	Single	???This element contains the product number issued by the supplier. It is determining for ordering the product; it identifies the product in the supplier catalog. In multi-supplier catalogs, however, only the combination of **SUPPLIER_PID** and **SUPPLIER_IDREF** identifies a product. Some target systems are not able to accept all 32 characters (e.g., SAP max. 18 characters). It is therefore advisable to keep product identifications as short as possible. Are there different product variants (**VARIANTS**) the final product number is built via the concatenation of the (base) product number (**SUPPLIER_PID**) with the related product numbers supplements (**SUPPLIER_AID_SUPPLEMENT**). The (base) product number has to be distinct on its own even when variants or configurations are used. *namespace: BMECAT* 	-	**dtSTRING**	32	-	2005
Reference to supplier	**SUPPLIER_IDREF - type**	Optional	Single	Reference to the supplier. It contains the unique identifier (**PARTY_ID**) of the respective party that is defined in the document (element **PARTY**). *namespace: BMECAT* 	-	**dtSTRING**	250	-	2005fd
Configurationcode	**CONFIG_CODE_FIX**	Optional	Single	The code describes the product in case of configurable or parameterizable products. The code can be determined via a configuration process or a remote call of a catalog (IPP). New element	-	**dtSTRING**	6000	-	20v1
lot number	**LOT_NUMBER**	Optional	Multiple	Unique identifier of the lot where the product is originated. The usage of the term is common, however the lot number is a character sequence and therefore can contain alphanumeric characters. New element	-	**dtSTRING**	80	-	20v1

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Serial number	**SERIAL_NUMBER**	Optional	Multiple	Unique identifier for a single product (product instance). The term is commonly used, nevertheless a serial number can alos consist of alphanumeric characters. New element	-	**dtSTRING**	80	-	20v1
International product number	**INTERNATIONAL_PID - type**	Optional	Multiple	Indicates an international product number (e.g., EAN). The underlying standard respectively organisation is given in the 'type' attribute. *namespace: BMECAT* 	-	**dtSTRING**	100	-	2005fd
Product ID of the buying company	**BUYER_PID - type**	Optional	Multiple	Product number used by the buying firm. The "type" attribute specifies the type of ID. If the element is used multiple, the values of the attribute "type" must differ. *namespace: BMECAT* 	-	**dtSTRING**	50	-	2005fd
Short description	**DESCRIPTION_SHORT**	Optional	Single	This element contains the short description of the product. In general, the description should be short and, whithin the first 40 characters, unique and meaningful, because many software systems can only interpret these 40 characters (i.e. SAP-OCI, SAP R/3). Detailed descriptions are beneficial to product search, especially if many products are quite similar and differ only in specific details. In these cases, product search returns a list of products from which the right product can easily be determined. Abbreviations of essential product characteristics should be avoided (e.g., bw for black and white). However, abbreviations of organisations and standards can be used (e.g., ISO, VDE). *namespace: BMECAT*	-	**dtML-STRING**	150	Yes	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Long description	**DESCRIPTION_LONG**	Optional	Single	This element contains the long description of the product. Format: The following HTML tags are supported: <b> for bold, <i> for italic, <p> for paragraphs, for line break and <ul>/<li> for lists. In order to transfer these, the characters '<' and '>' must be enclosed in quotation marks, or the BMEcat DTD will not be accepted by the XML parser (see also chapter **Character encoding in XML**). Example: '<' = < or '>' = > The target system must support the interpretation of the day in order to achieve the desired formatting. *namespace: BMECAT*	-	**dtML-STRING**	64000	Yes	1.2_fd
Manufacturer information	**MANUFACTURER_INFO**	Optional	Single	Information assigned to the article by the manufacturer is stored here.	-	-	-	-	2.0_fd
Product type	**PRODUCT_TYPE**	Optional	Single	Characterizes the product with regard to its general type, i.e. being tangible or service *namespace: BMECAT* New element See also: **Permitted values for element PRODUCT_TYPE**	-	**dtSTRING**	50	-	2005fd

Permitted values for element PRODUCT_TYPE

Designation	Element value	Explanation	I.chg. in ver.
Product bundle	bundle	The product is part of a product bundle.	2005fd
Component	component	The product is component of another product.	2005fd
Optionally configurable	configurable	The product can be configured. If the product is not configured by the user, it is determined by its default values. See also **PRODUCT_TYPE =must_be_configured**.	2005fd
Contract	contract	The product is a contract.	2005fd
Licence	license	The product is a licence.	2005fd
Orderable product	major	The product can be ordered.	2005fd
Product part	minor	The product can only be ordered in conjunction with another product.	2005fd
Configurable	must_be_configured	The product has to be configured, unless it can not be ordered. See also **PRODUCT_TYPE =configurable**.	2005fd
Physical product	physical	The product is physical, thus tangible.	2005fd

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Permitted values for element PRODUCT_TYPE

Designation	Element value	Explanation	l.chg. in ver.
Professionel Service	professional_services	The product is a professional service being provided by one or more individuals. The indivials are professionals in their field (e.g., accounting, educational, legal, medical, or architectural services).	2005fd
Service	service	The product is a service.	2005fd

Example

```
<PRODUCT_ID>
    <bmecat:SUPPLIER_PID>NB-A4</bmecat:SUPPLIER_PID>
    <bmecat:DESCRIPTION_SHORT>Notebook, Black</bmecat:DESCRIPTION_SHORT>
    <bmecat:DESCRIPTION_LONG>Notebook incl. Einsteinium-CPU, 256 GB RAM and 1024 TB Harddrive</bmecat:DESCRIPTION_LONG>
</PRODUCT_ID>
```

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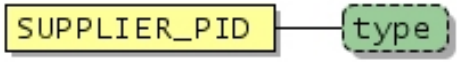
SUPPLIER_PID

(Supplier's product ID) *namespace: BMECAT*

???This element contains the product number issued by the supplier. It is determining for ordering the product; it identifies the product in the supplier catalog. In multi-supplier catalogs, however, only the combination of **SUPPLIER_PID** and **SUPPLIER_IDREF** identifies a product.

Some target systems are not able to accept all 32 characters (e.g., SAP max. 18 characters). It is therefore advisable to keep product identifications as short as possible.

This new element replaces the **SUPPLIER_AID** element.
The type-attribute was added to this element.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PRODUCT_ID	-	**dtSTRING**	32	-	2005

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Type of ID	type	Optional	This attribute specifies the type of ID, i.e. indicates the organization that has issued the ID. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	-

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	2005
European Article Number	ean	European article number (14 characters), s. **http://www.ean-int.org**	2005
Global Trade Item Number	gtin	Global Trade Item Number, see **http://www.uc-council.org/2005sunrise/global_trade_item_number.html**	2005
Supplier-specific number	supplier_specific	Identification number defined by the supplier	2005

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Universal Product Code	upc	Universal Product Code; see **http://www.uc-council.org**	2005
User defined type	User defined value, format: \w{1,50}	Identification of the user defined type . "\w{1,50}" means that the type identification has to be at least 1 chraracter long up to a maximum of 50 characters.	2005

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INTERNATIONAL_PID

(International product number) *namespace: BMECAT*

This element contains an international product number (e.g., EAN). The underlying standard respectively organisation is given in the 'type' attribute.

This new element replaces with an increased maximum field length (100 characters instead of 14 respectively 50 characters) the former **EAN** and **SUPPLIER_ALT_PID** elements.

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PRODUCT_ID	-	**dtSTRING**	100	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Type of international product number	type	Optional	Specification of the underlying standard respectively organisation See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	2005fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
European Article Number	ean	European article number (14 characters), s. **http://www.gs1-germany.de/internet/content/e39/e50/e221/e241**	2005fd
Global Trade Item Number	gtin	Global Trade Item Number, see **http://www.gs1.org/productssolutions/barcodes/technical/idkeys/gtin.html**	2005fd
Universal Product Code	upc	Universal Product Code; see **http://www.gs1.org/productssolutions/barcodes/technical/bar_code_types.html**	2005fd
User-defined type	User defined value, format: \w{1,50}	Identification of the user-defined type. "\w{1,50}" means that the type identification has to be at least 1 chraracter long up to a maximum of 50 characters.	2005fd

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BUYER_PID

(Product ID of the buying company) *namespace: BMECAT*

This element contains the product number used by the buying company. The "type" attribute specifies the type of ID.

If the element is used multiple, the values of the attribute "type" must differ.

This new element replaces the **BUYER_AID** element.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PRODUCT_ID	-	**dtSTRING**	50	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Type of ID	type	Optional	This attribute specifies the type of ID, i.e. indicates the organization that has issued the ID. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	-

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	2005fd
European Article Number	ean	European article number (14 characters), s. **http://www.gs1-germany.de/internet/content/e39/e50/e221/e241**	2005fd
Global Trade Item Number	gtin	Global Trade Item Number, see **http://www.gs1.org/productssolutions/barcodes/technical/idkeys/gtin.html**	2005fd
Universal Product Code	upc	Universal Product Code; see **http://www.gs1.org/productssolutions/barcodes/technical/bar_code_types.html**	2005fd
User defined type	User defined value, format: \w{1,50}	Identification of the user defined type. "\w{1,50}" means that the type identification has to be at least 1 chraracter long up to a maximum of 50 characters.	2005fd

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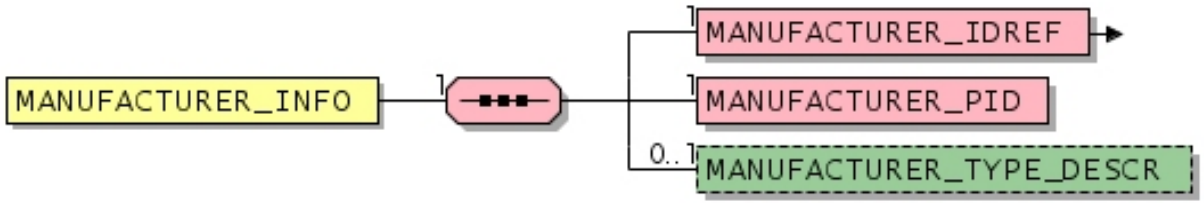
MANUFACTURER_INFO

(Manufacturer information)

The element **MANUFACTURER_INFO** contains information assigned to the article by the manufacturer.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PRODUCT_ID	-	-	-	-	2.0_fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Reference to the manufacturer	**MANUFACTURER_IDREF - type**	Mandatory	Single	This element provides a reference to the manufacturer. It contains the unique identifier (**PARTY_ID**) of the respective party that is defined in the document (element **PARTY**). *namespace: BMECAT*	-	**dtSTRING**	250	-	2005fd
Product ID of the manufacturer	**MANUFACTURER_PID**	Mandatory	Single	Product ID of the manufacturer *namespace: BMECAT* This new element replaces former **MANUFACTURER_AID** element.	-	**dtSTRING**	50	-	2005fd
Manufacturer type description	**MANUFACTURER_TYPE_DESCR**	Optional	Single	The manufacturer's type description is a name for the product which may, in certain circumstances, be more widely-known than the correct product name. When a manufacturer's type description is specified, the name of the manufacturer must also be specified (**MANUFACTURER_NAME**). *namespace: BMECAT*	-	**dtML-STRING**	50	Yes	1.2_fd

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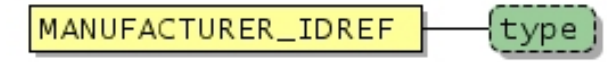
MANUFACTURER_IDREF

(Reference to the manufacturer) *namespace: BMECAT*

This element provides a reference to the manufacturer. It contains the unique identifier (**PARTY_ID**) of the respective party that is defined in the document (element **PARTY**).

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
MANUFACTURER_INFO	-	**dtSTRING**	250	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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PRODUCT_FEATURES

(Product features)

This element can be used to (1) describe a product by features and/or to (2) map a product to a group of a classification system. The element should not be confused with **PRODUCT_COMPONENT**, which describes parts of a product (with their own **PRODUCT_ID**).

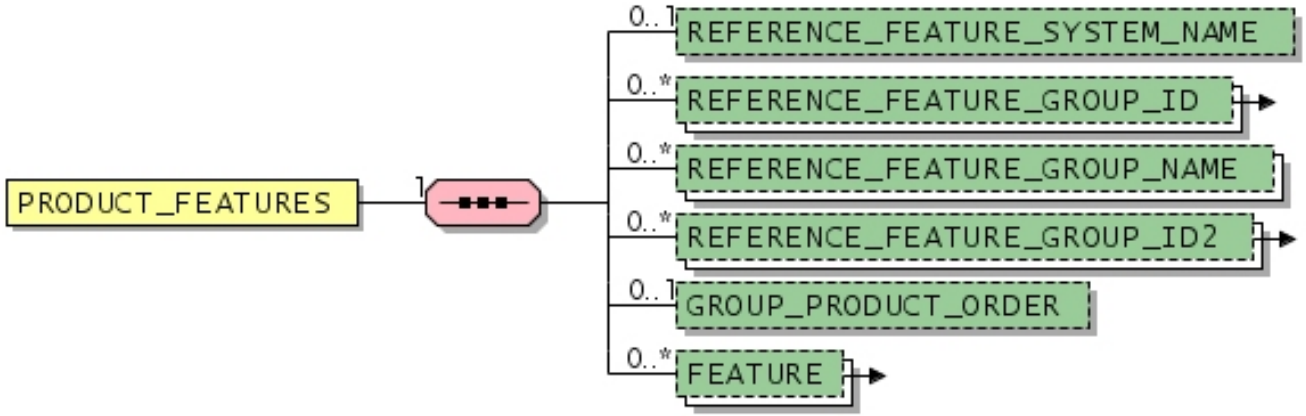
(1) The product description by features is done using the **FEATURE** element. The feature has to named, and a value has to be assigned to this feature (**bmecat:FVALUE_DETAILS**). It can be complemented by the unit of measurement (**bmecat:FUNIT**). Moreover, it is possible to provide a detailed, complete definition of the feature (**CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE**), i.e. data type and domain. If features are used that are pre-defined by a classification or feature system, then all features belonging to the same system haven to grouped in a common **PRODUCT_FEATURES** element. In this area, the respective system has to be referenced (**REFERENCE_FEATURE_SYSTEM_NAME**), eventually each feature has to be referenced by a **FREF** element.

All features that are not pre-defined by a classification or feature system have to be stored in the same **PRODUCT_FEATURES** element; this element may not contain **REFERENCE_FEATURE_SYSTEM_NAME**, **REFERENCE_FEATURE_GROUP_ID** or **REFERENCE_FEATURE_GROUP_NAME** elements; its **FEATURE**sub-elements may not include **FREF** elements.

For each **PRODUCT_FEATURES** area, the feature names must be unique, thus the values of all respective **bmecat:FNAME** elements are different. By defining multiple **PRODUCT_FEATURES** areas it is, however, possible to use the same feature name for various purposes.

(2) The **PRODUCT_FEATURES** element is also used for mapping products to classifications groups. The respective classification system has to be referenced (**REFERENCE_FEATURE_SYSTEM_NAME**); eventually the classification group is either referenced by its identifier (**REFERENCE_FEATURE_GROUP_ID**) or directly named (**REFERENCE_FEATURE_GROUP_NAME**). It is not allowed to define two or more **PRODUCT_FEATURES** areas with references to the same classification system.

This new element replaces with a modified semantics the **ARTICLE_FEATURES** element; it has been extended by the following sub-elements: **REFERENCE_FEATURE_GROUP_ID2**, **GROUP_PRODUCT_ORDER**
The sub-element **CLASSIFICATION_GROUP_PRODUCTORDER** was renamed in **GROUP_PRODUCT_ORDER**.
Examples adapted.



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General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_ITEM, **PRODUCT_COMPONENT**	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Classification or feature system	**REFERENCE_FEATURE_SYSTEM_NAME**	Optional	Single	Name of the referenced classification or feature system If the classification system is transferred by the **T_NEW_CATALOG** transaction and its **CLASSIFICATION_SYSTEM** element, the value of this element must be equal with the name defined in **CLASSIFICATION_SYSTEM_NAME**. Remark: The format for the name (**CLASSIFICATION_SYSTEM_NAME**) should comply with the following structure: "<Name>-<Major Version>.<Minor Version> *namespace: BMECAT* See also: **Predefined values for element REFERENCE_FEATURE_SYSTEM_NAME** **Examples** ECLASS-4.1, UNSPSC-6.0801 `<REFERENCE_FEATURE_SYSTEM_NAME>ECLASS-4.1</REFERENCE_FEATURE_SYSTEM_NAME>`	-	**dtSTRING**	80	-	-
Group reference	**REFERENCE_FEATURE_GROUP_ID - type**	Optional	Multiple	Reference to the unique identifier of an existing group of the respective classification system; this element may only be used if the **REFERENCE_FEATURE_GROUP_NAME** element is not used. *namespace: BMECAT*	-	**dtSTRING**	60	-	-
Group name reference	**REFERENCE_FEATURE_GROUP_NAME**	Optional	Multiple	Reference to the unique, though language-dependent name of an existing group of the respective classification system This element may only be used if the **REFERENCE_FEATURE_GROUP_ID** element is not used. Notice: The group can also be referenced by its language-independent identifier (see **REFERENCE_FEATURE_GROUP_ID**). *namespace: BMECAT*	-	**dtML-STRING**	60	Yes	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Additional group reference	**REFERENCE_FEATURE_GROUP_ID2 - type**	Optional	Multiple	This element provides an additional identifier of the same group which has already been referenced in the **REFERENCE_FEATURE_GROUP_ID** element. The element should be only if the classification system defines two different identifier for the same group. When classifying product according to eCl@ss, this element has to be filled with the eCl@ss field 'idcl' (primary key) and the 'type' attribute has to be set to 'flat'. *namespace: BMECAT* 	-	**dtSTRING**	60	-	2005fd
Classification group product order	**GROUP_PRODUCT_ORDER**	Optional	Single	Order number for the graphical user interface. When products of a group are listed they are always represented in ascending order (the first product is the one with the lowest number). *namespace: BMECAT* New element This element was named **CLASSIFICATION_GROUP_PRODUCTORDER** in BMEcat 2005 final draft, now it is named **GROUP_PRODUCT_ORDER**.	-	**dtINTEGER**	-	-	2005
Product feature	**FEATURE**	Optional	Multiple	Information about a single product feature 	-	-	-	-	21fd

Predefined values for element REFERENCE_FEATURE_SYSTEM_NAME

Designation	Element value	Explanation	I.chg. in ver.
CPV	CPV-yyyy-mm-dd	Reference to the classification system CPV (Common Procurement Vocabulary) with version date (e.g., CPV-2003-12-16); see siehe **http://simap.eu.int**	2005fd
eCl@ss	ECLASS-x.y	Reference to the classification system eCl@ss with major version x and minor version y (e.g., ECLASS-5.1); see **http://www.eclass-online.com**	-
eOTD	EOTD-yyyy-mm-dd	Reference to the classification system eOTD (ECCMA Open Technical Dictionary) with version date (e.g., EOTD-2004-08-01); see **http://www.eccma.org**	2005fd
ETIM	ETIM-x.y	Reference to the classification system ETIM with major version x and minor version y (e.g., ETIM-2.0); see **http://www.etim.de**	-
GPC	GPC-x.y	Reference to the classification system EAN.UCC GPC (Global Product Classification) with major version x and minor version y (e.g., GPC-4.0); see **http://www.gs1.org**	2005fd
profiCl@ss	PROFICLASS-x.y	Reference to the classification system profiCl@ss with major version x and minor version y (e.g., PROFICLASS-2.1); see **http://www.proficlass.de**	2005fd
RNTD	RNTD-x.y	Reference to the classification system RNTD (RosettaNet Technical Dictionary) with major version x and minor version y (e.g., RNTD-4.0); see **http://www.rosettanet.org**	2005fd

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Predefined values for element REFERENCE_FEATURE_SYSTEM_NAME

Designation	Element value	Explanation	l.chg. in ver.
RUS	RUS-x.y	Reference to the classification system RUS (Requisite Unifying Structure) with major version x and minor version y (e.g., RUS-4.0); see **http://ruspor-tal.requisite.com**	2005fd
UNSPSC	UNSPSC-x.yyyy	Reference to the classification system UNSPSC with major version x and minor version y (e.g., UNSPSC-6.0801); see **http://www.unspsc.org**	-
Proprietary classificati-on system	udf_NAME-x.y	Reference to a proprietary (non-standard) classification system. The value has to start with 'udf_' followed by the classification system name in capital letters, hyphen, and version (major version x and minor version y). For example: udf_MYSYSTEM-3.0. The length of the name is limited to 72 characters; the version to 7 characters.	-
Other classification sy-stem	User defined value, for-mat: [\w\-\.]{1,80}	Other standard classification system, which is not pre-defined in BMEcat, can be described in a similar way: The name of the system in capital, followed by a hyphen and the version information. For instance, NAME-3.4. The length of the name is limited to 72 characters. The version information, where major and minor version are separated by a dot, is limited to 7 characters.	2005fd

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Example
In this example, a stacking tray is described according to two different classification systems. However, the description according to eCl@ss serves only as an example, i.e. not all features are specified.

```
<PRODUCT_FEATURES>
    <bmecat:REFERENCE_FEATURE_SYSTEM_NAME>udf_MeBuKla-0.97</bmecat:REFERENCE_FEATURE_SYSTEM_NAME>
    <bmecat:REFERENCE_FEATURE_GROUP_NAME>Stacking tray</bmecat:REFERENCE_FEATURE_GROUP_NAME>
    <FEATURE>
        <bmecat:FNAME>Size</bmecat:FNAME>
        <bmecat:FVALUE>DIN A4</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Width</bmecat:FNAME>
        <bmecat:FVALUE>240</bmecat:FVALUE>
        <bmecat:FUNIT>mm</bmecat:FUNIT>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Material</bmecat:FNAME>
        <bmecat:FVALUE>Kunststoff</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Color</bmecat:FNAME>
        <bmecat:FVALUE>rot</bmecat:FVALUE>
    </FEATURE>
</PRODUCT_FEATURES>
<PRODUCT_FEATURES>
    <bmecat:REFERENCE_FEATURE_SYSTEM_NAME>ECLASS-5.1</bmecat:REFERENCE_FEATURE_SYSTEM_NAME>
    <bmecat:REFERENCE_FEATURE_GROUP_ID>24-29-11-01</bmecat:REFERENCE_FEATURE_GROUP_ID>
    <bmecat:REFERENCE_FEATURE_GROUP_ID2 type="flat">AKF56000201</bmecat:REFERENCE_FEATURE_GROUP_ID2>
    <FEATURE>
        <bmecat:FT_IDREF>BAF016001</bmecat:FT_IDREF>
        <bmecat:FVALUE>240</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FT_IDREF>BAA351001</bmecat:FT_IDREF>
        <bmecat:FVALUE>red</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FT_IDREF>BAF302001</bmecat:FT_IDREF>
        <bmecat:FVALUE>DIN A4</bmecat:FVALUE>
    </FEATURE>
</PRODUCT_FEATURES>
```

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REFERENCE_FEATURE_GROUP_ID

(Group reference) *namespace: BMECAT*

This element contains a reference to the unique identifier of an existing group of the respective classification system

The group can also be referenced by its unique, though language-dependent name (see **REFERENCE_FEATURE_GROUP_NAME**). In this case, the **REFERENCE_FEATURE_GROUP_ID** element may not be used.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PRODUCT_FEATURES	-	**dtSTRING**	60	-	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Codification	type	Optional	Determines whether the group ID describes the position of the respective group in the hierarchy. * New attribute See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	2005fd

Permitted values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
flat	flat	The group ID does not describe the position of the respective group in the hierarchy.	2005fd
Hierarchy	hierarchy	The group ID describes the position of the respective group in the hierarchy.	2005fd

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REFERENCE_FEATURE_GROUP_ID2

(Additional group reference) *namespace: BMECAT*

This element provides an additional identifier of the same group which has already been referenced in the **REFERENCE_FEATURE_GROUP_ID** element. The element should be only if the classification system defines two different identifier for the same group.

When classifying product according to eCl@ss, this element has to be filled with the eCl@ss field 'idcl' (primary key) and the 'type' attribute has to be set to 'flat'.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PRODUCT_FEATURES	-	**dtSTRING**	60	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Codification	type	Optional	Determines whether the group ID describes the position of the respective group in the hierarchy. See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	2005fd

Permitted values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
flat	flat	The group ID does not describe the position of the respective group in the hierarchy.	2005fd
Hierarchy	hierarchy	The group ID describes the position of the respective group in the hierarchy.	2005fd

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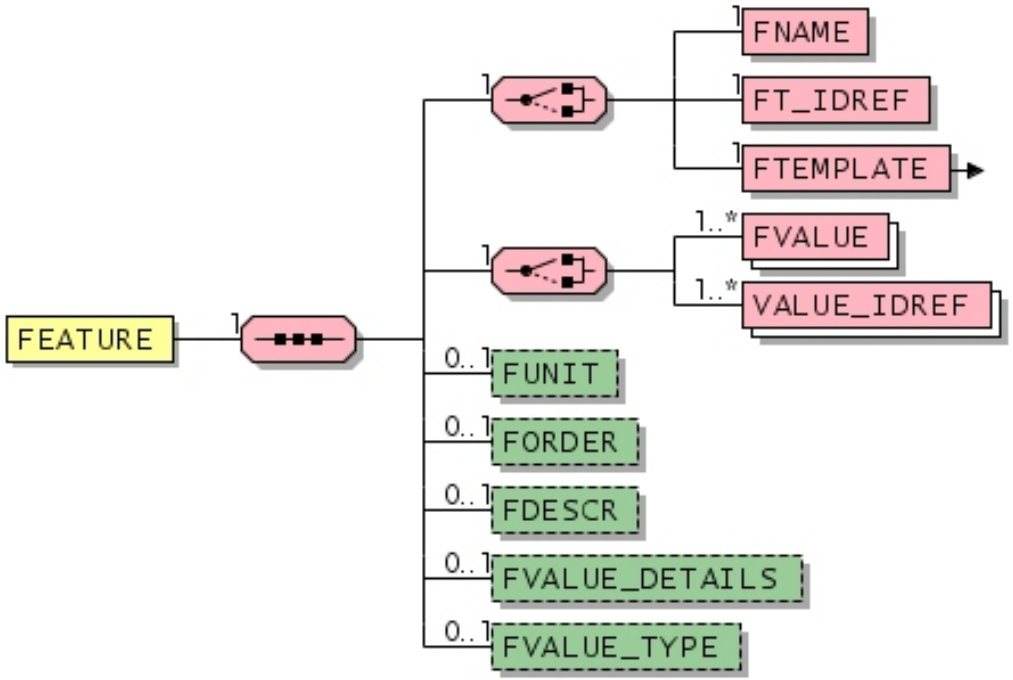
FEATURE

(Product feature)

This element contains information on a product features (i.e., feature name, data type, explainations, domain).

Using the VARIANTS feature it is also possible to describe variants of the product.

The element was revised and the following sub-elements were added: **FREF** (in 2005fd CLASSIFICATION_FEATURE_REF), **CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE**, **VALUE_IDREF**, **FVALUE_TYPE**
The sub-element **CLASSIFICATION_FEATURE_REF** was renamed to **FREF**. The sub-element **CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE** was replaced with the fully identical element **FTEMPLATE**. The sub-element **FREF** was replaced with the fully identical element **FT_IDREF**.
Example adapted.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PRODUCT_FEATURES	-	-	-	-	21fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Feature name	**FNAME**	Mandatory	Single	Unique name used to describe the feature within the **PRODUCT_FEATURES** element. If in this feature is part of a referenced classification or feature group system, then the feature name must correspond to the name that is defined in the respective system. This element is language-dependent, thus the feature name has to be given in the language that is set in the document header (**HEADER**). *namespace: BMECAT*	-	**dtML-STRING**	60	Yes	-
Feature reference	**FT_IDREF**	Mandatory	Single	Reference to the unique ID of a feature (see**CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE**) *namespace: BMECAT*	-	**dtSTRING**	60	-	-
Feature definition	**FTEMPLATE**	Mandatory	Single	Definition of the feature *namespace: BMECAT* 	-	-	-	-	2005

Feature value	**FVALUE**	Mandatory	Multiple	Actual value(s) of the respective feature
				This element may only be specified if the element **VARIANTS** is not specified.
				FVALUE can occur as a multiple value, e.g. for describing a value range (Range) or a set of values (Set).
				If the element references a standard classification system which also pre-defines possible feature values for (alpha-numerical) features, the feature values must be derived from these pre-defined values.
				namespace: BMECAT
				Example 1
				`<FNAME>Color</FNAME>`
				`<FVALUE>red</FVALUE>`
				Example 2
				`<FNAME>Voltage (adjustable from/to)</FNAME>`
				`<FVALUE>6</FVALUE>`
				`<FVALUE>12</FVALUE>`
				`<FUNIT>V</FUNIT>`
				Example 3
				`<FNAME>Test mark</FNAME>`
				`<FVALUE>VDE</FVALUE>`
				`<FVALUE>CE</FVALUE>`
					-	**dtML-STRING**	60	Yes	1.2_fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to a value	**VALUE_IDREF**	Mandatory	Multiple	Reference to the unique identifier of a value. The reference must point to a value defined in the document (element **ALLOWED_VALUE** identified by **ALLOWED_VALUE_ID**). This element can only be used for defining features of a classification system; it can not be used for defining features directly for products (**PRODUCT_FEATURES**) or for configurations (**CONFIG_FEATURE**). *namespace: BMECAT* New element	-	**dtSTRING**	60	-	2005fd
Feature unit	**FUNIT**	Optional	Single	Unit of measurement of the feature Standard measuring units should be used if possible (refer also to Type **dtUNIT**). If the element references a standard classification system which also pre-defines feature units for (numerical) features, the entry for the measuring unit in this element must correspond to the one pre-defined or the element can be left empty. *namespace: BMECAT*	-	**dtSTRING**	20	-	-
Feature order	**FORDER**	Optional	Single	Order in which the feature must appear in the referenced group in the target system; the order is fixed using ascending integer values If the element references a standard classification system which also pre-defines feature orders for features, the entry for the order in this element must correspond to the one pre-defined or the element can be left empty. *namespace: BMECAT*	-	**dtINTEGER**	-	-	-

Feature description	**FDESCR**	Optional	Single	Element which can be used to describe the exact meaning of the feature;
				the purpose of this element is not to explain the value of the feature in more detail. *namespace: BMECAT*
				Example
				`<FNAME>Color</FNAME>`
				`<FVALUE>Red</FVALUE>`
				`<FDESCR>The feature color specifies the color of the table top and not the color of the table legs.</FDESCR>`
					-	**dtMLSTRING**	250	Yes	1.2_fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.

Additional details about the feature value	**FVALUE_DETAILS**	Optional	Single	Element which can be used to give more details about the feature value; thus the purpose of this element is to explain the value of the feature in more detail (not the explanation of the feature itself).
				This element is mainly useful, for example, for transferring manufacturer-specific value descriptions whenever only standard values are permitted as feature values in the given classification system.
				namespace: BMECAT
				Example
				`<FNAME>Color</FNAME>`
				`<FVALUE>White</FVALUE>`
				`<FVALUE_DETAILS>Polar</FVALUE_DETAILS>`
					-	**dtML-STRING**	250	Yes	1.2_fd

Feature value type	**FVALUE_TYPE**	Optional	Single	Indicates how the feature domain is structured. *namespace: BMECAT* New element See also: **Permitted values for element FVALUE_TYPE**	-	**dtSTRING**	20	-	2005fd

Permitted values for element FVALUE_TYPE

Designation	Element value	Explanation	I.chg. in ver.
Choice of values	choice	Indicates that the feature domain is a set of values from which one values must be chosen.	2005fd
Range of values	range	Indicates that the feature domain is a range between two values.	2005fd
Set of values	set	Indicates that the feature domain is a set of values.	2005fd

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Example 1
Classification of a product according to ETIM-1.0

```
<PRODUCT_FEATURES>
    <bmecat:REFERENCE_FEATURE_SYSTEM_NAME>ETIM-1.0</bmecat:REFERENCE_FEATURE_SYSTEM_NAME>
    <bmecat:REFERENCE_FEATURE_GROUP_NAME>NV Halogen light</bmecat:REFERENCE_FEATURE_GROUP_NAME>
    <FEATURE>
        <bmecat:FNAME>Diameter</bmecat:FNAME>
        <bmecat:FVALUE>9</bmecat:FVALUE>
        <bmecat:FUNIT>mm</bmecat:FUNIT>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>ZVEI-short description</bmecat:FNAME>
        <bmecat:FVALUE>QT-tr 9</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Length</bmecat:FNAME>
        <bmecat:FVALUE>33</bmecat:FVALUE>
        <bmecat:FUNIT>mm</bmecat:FUNIT>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Life cycle</bmecat:FNAME>
        <bmecat:FVALUE>2000</bmecat:FVALUE>
        <bmecat:FUNIT>h</bmecat:FUNIT>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Color temperature</bmecat:FNAME>
        <bmecat:FVALUE>0</bmecat:FVALUE>
        <bmecat:FUNIT>K</bmecat:FUNIT>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Holder/pedestal</bmecat:FNAME>
        <bmecat:FVALUE>G4</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Version</bmecat:FNAME>
        <bmecat:FVALUE>Clear</bmecat:FVALUE>
        <bmecat:FVALUE_DETAILS>Special clear</bmecat:FVALUE_DETAILS>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Filament shape</bmecat:FNAME>
        <bmecat:FVALUE>Axial (vertical)</bmecat:FVALUE>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Max capacity</bmecat:FNAME>
        <bmecat:FVALUE>20</bmecat:FVALUE>
        <bmecat:FUNIT>W</bmecat:FUNIT>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Supply voltage</bmecat:FNAME>
        <bmecat:FVALUE>12</bmecat:FVALUE>
        <bmecat:FUNIT>V</bmecat:FUNIT>
    </FEATURE>
</PRODUCT_FEATURES>
```

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Example 2
User-defined classification
The color and weight of the “Charlie casual shirt” must be described with the aid of FEATURE elements using a customer-specific feature system.

```
<PRODUCT_FEATURES>
    <bmecat:REFERENCE_FEATURE_SYSTEM_NAME>udf_HeMoMeGu-1.0</bmecat:REFERENCE_FEATURE_SYSTEM_NAME>
    <bmecat:REFERENCE_FEATURE_GROUP_ID>123</bmecat:REFERENCE_FEATURE_GROUP_ID>
    <FEATURE>
        <bmecat:FNAME>Color</bmecat:FNAME>
        <bmecat:FVALUE>Red</bmecat:FVALUE>
        <bmecat:FDESCR>The color describes the basic tone of the shirt, there could however be appliqués of different colors on the shirt </bmecat:FDESCR>
        <bmecat:FVALUE_DETAILS>Pink</bmecat:FVALUE_DETAILS>
    </FEATURE>
    <FEATURE>
        <bmecat:FNAME>Weight</bmecat:FNAME>
        <bmecat:FVALUE>500</bmecat:FVALUE>
        <bmecat:FUNIT>g</bmecat:FUNIT>
    </FEATURE>
</PRODUCT_FEATURES>
```

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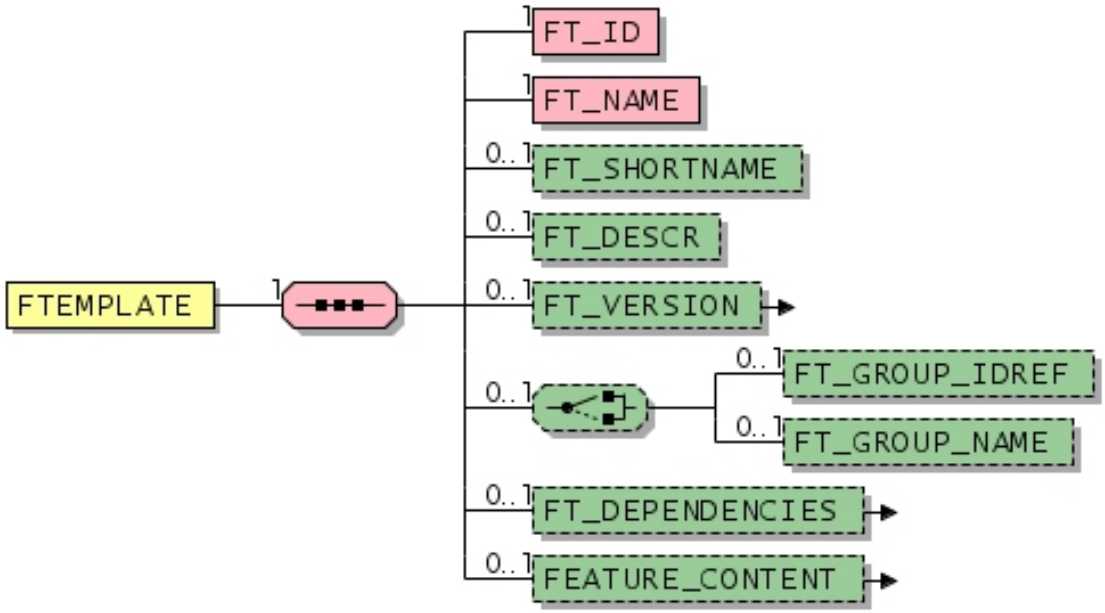
FTEMPLATE

(Feature definition) *namespace: BMECAT*

This element defines a feature, it does not define the feature value though.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FEATURE	-	-	-	-	2005

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Feature identifier	**FT_ID**	Mandatory	Single	Unique identifier of the feature. This identifier ist required for referencing the feature from a classification group. *namespace: BMECAT*	-	**dtSTRING**	60	-	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Feature name	**FT_NAME**	Mandatory	Single	This element defines the feature name. *namespace: BMECAT* The maximum length has been extended from 60 characters to 80 characters.	-	**dtML-STRING**	80	Yes	2005fd
Feature short name	**FT_SHORTNAME**	Optional	Single	Short name of the feature in addition to its name *namespace: BMECAT* New element	-	**dtML-STRING**	80	Yes	2005fd

Feature description	**FT_DESCR**	Optional	Single	Description of the feature and its semantics; it does not describe the value of the feature.
				This element is especially usefull for describing user-defined, non-standardized features.
				namespace: BMECAT
				
				The maximum length has been extended from 250 characters to 16,000 characters.
				Example
				`<FT_NAME>Colour</FT_NAME>`
				`<FT_DESCR>The feature color represents the color of the tabletop, but not the colour of the table legs.</FT_DESCR>`
					-	**dtML-STRING**	16000	Yes	2005fd

Version of the feature	**FT_VERSION**	Optional	Single	Detailled information on the version of the feature *namespace: BMECAT* 	-	-	-	-	2005fd
Feature group ID reference	**FT_GROUP_IDREF**	Optional	Single	Reference to the unique ID of a feature group. The reference must point to a **FT_GROUP_ID**, which has been defined in the **FT_GROUP** element for the respective classification system. *namespace: BMECAT* New element	-	**dtSTRING**	60	-	2005
Feature group name	**FT_GROUP_NAME**	Optional	Single	Specifies the name of the feature group; e.g., "Technical features" *namespace: BMECAT* New element	-	**dtML-STRING**	80	Yes	2005
Feature dependencies	**FT_DEPENDENCIES**	Optional	Single	List of features on which the current feature depends *namespace: BMECAT* 	-	-	-	-	2005

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Feature content definition	**FEATURE_CONTENT**	Optional	Single	Detailled information on the feature content, e.g., data type, unit of measurement, domain of values, synonyms, and many more characteristics *namespace: BMECAT*	-	-	-	-	2005

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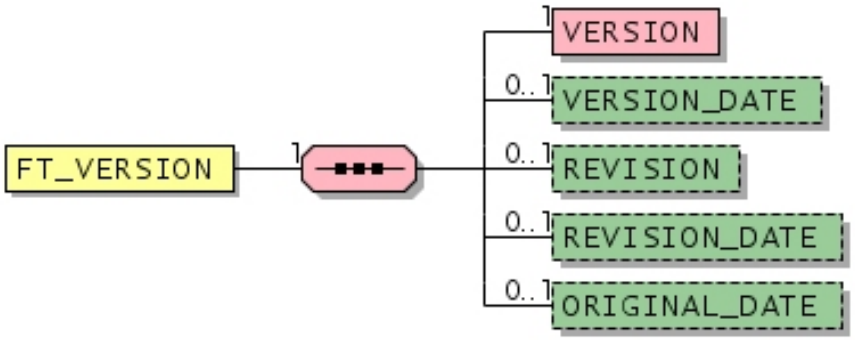
FT_VERSION

(Version of the feature) *namespace: BMECAT*

This element contains detailled information on the version of the feature and its version history.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FTEMPLATE	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Version	**VERSION**	Mandatory	Single	Detailled information on the version *namespace: BMECAT* New element	-	**dtSTRING**	20	-	2005fd
Version date	**VERSION_DATE**	Optional	Single	Date of the given version *namespace: BMECAT* New element	-	**dtDATETI-ME**	-	-	2005fd
Revision	**REVISION**	Optional	Single	Revision number of the given version *namespace: BMECAT* New element	-	**dtSTRING**	20	-	2005fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Revision date	**REVISION_DATE**	Optional	Single	Date of the latest revision *namespace: BMECAT* New element	-	**dtDATETIME**	-	-	2005fd
Original date	**ORIGINAL_DATE**	Optional	Single	Date of the first version in its first revision *namespace: BMECAT* New element	-	**dtDATETIME**	-	-	2005fd

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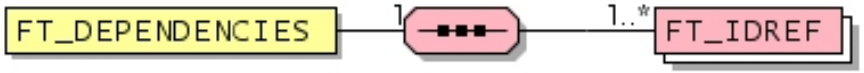
FT_DEPENDENCIES

(Feature dependencies) *namespace: BMECAT*

This element contais a list of feature on which the current feature depends; hence it is possible to express, for instance, that the feature 'length' depends on the feature 'temperature'. The features that determine the current feature are referenced by their identifier.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FTEMPLATE	-	-	-	-	2005

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Feature reference	**FT_IDREF**	Mandatory	Multiple	Reference to the unique ID of a feature (see**CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE**) *namespace: BMECAT*	-	**dtSTRING**	60	-	-

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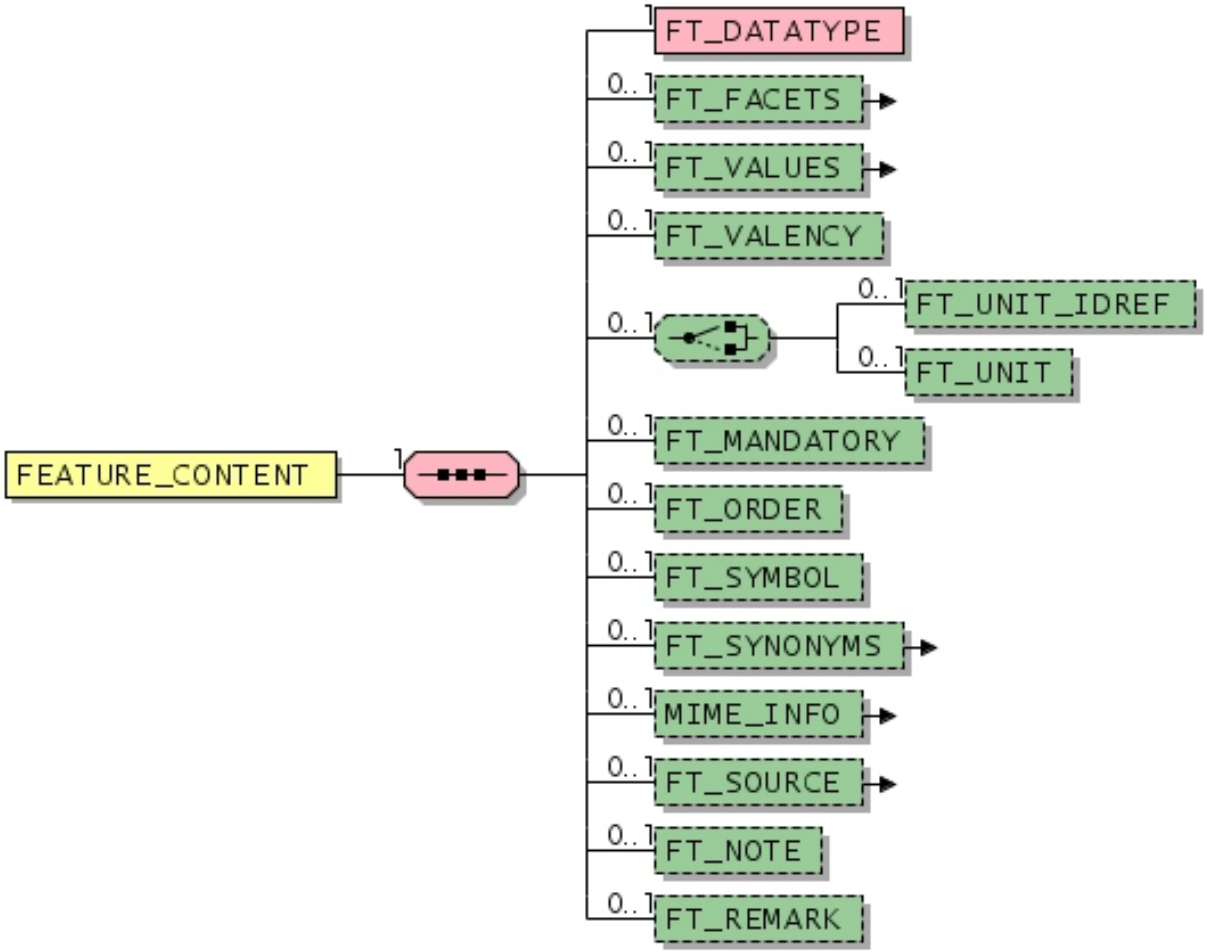
FEATURE_CONTENT

(Feature content definition) *namespace: BMECAT*

This element contains detailled information on the feature content, e.g., data type, unit of measurement, application, synonyms, and many more characteristics.

New element
The sub-element **FT_DOMAIN_VALUES** was renamed to **FT_VALUES**.



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General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FTEMPLATE	-	-	-	-	2005

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Feature data type	**FT_DATATYPE**	Mandatory	Single	This element contains the data type of the feature. *namespace: BMECAT* See also: **Permitted values for element FT_DATATYPE**	-	**dtSTRING**	20	-	-
Data type restrictions	**FT_FACETS**	Optional	Single	List of data type restrictions *namespace: BMECAT* 	-	-	-	-	2005fd
Feature domain values	**FT_VALUES**	Optional	Single	List of allowed values for the feature (only available for enumerative features) *namespace: BMECAT* 	-	-	-	-	2005
Feature valency	**FT_VALENCY**	Optional	Single	Indicates whether the product feature can have more than one value (**multivalent**) or only one value (**univalent**). *namespace: BMECAT* New element See also: **Permitted values for element FT_VALENCY**	univa-lent	**dtSTRING**	20	-	2005fd
Feature unit ID refe-rence	**FT_UNIT_IDREF**	Optional	Single	Reference to the unique ID of a unit of measurement. The reference must point to a **UNIT_ID**, which has been defined in the **UNIT** element for the respective classification system. This element can only be used for defining features of a classification system. Therefore, it can not used on the product level for defining static features (**PRODUCT_FEATURES**) or for configuration purposes (**CONFIG_FEATURE**). *namespace: BMECAT* This new element replaces with a modified semantics the former **FT_UNIT** element.	-	**dtSTRING**	60	-	2005fd
Feature unit	**FT_UNIT**	Optional	Single	Unit of measurement for the feature; the unit should be coded in accordance with the **dtU-NIT** data type. *namespace: BMECAT* The maximum length has been extended from 20 characters to 80 characters.	-	**dtSTRING**	80	-	2005fd
Mandatory feature	**FT_MANDATORY**	Optional	Single	This element specifies, whether the feature is mandatory or optional; if so, the feature must be used when classifying a respective product. *namespace: BMECAT*	-	**dtBOO-LEAN**	-	-	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Feature order	**FT_ORDER**	Optional	Single	Defines the order (sequence) in which the feature has to be presented in the target system. *namespace: BMECAT*	-	**dtINTEGER**	-	-	-
Feature symbol	**FT_SYMBOL**	Optional	Single	Symbol of the feature *namespace: BMECAT*	-	**dtMLSTRING**	20	Yes	1.2
Feature synonyms	**FT_SYNONYMS**	Optional	Single	List of synonyms for the feature name *namespace: BMECAT*	-	-	-	-	2005fd
Additional multimedia information	**MIME_INFO**	Optional	Single	Information about multimedia files For example an illustration which clarifies the measurements relevant for the feature or any other feature related document could be added here. *namespace: BMECAT*	-	-	-	-	-
Feature source	**FT_SOURCE**	Optional	Single	Source for the feature definition which has been given in the **FT_DESCR** element; e.g. a reference to a document, standard or definition describing the feature. *namespace: BMECAT*	-	-	-	-	2005
Feature note	**FT_NOTE**	Optional	Single	The note should be extracted from the source of the definition (element **FT_SOURCE**). It increases the tangibility of the definition. This element has been adopted from ISO 13584. *namespace: BMECAT* New element	-	**dtMLSTRING**	16000	Yes	2005fd
Feature remark	**FT_REMARK**	Optional	Single	Remark giving additional information about the feature and its definition. This element has been adopted from ISO 13584. *namespace: BMECAT* New element	-	**dtMLSTRING**	16000	Yes	2005fd

Permitted values for element FT_DATATYPE

Designation	Element value	Explanation	l.chg. in ver.
Alphanumeric	alphanumeric	Alphanumeric string, see also data type **dtSTRING**	-
Boolean value	boolean	"true" or "false", see data type **dtBOOLEAN**	-

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Permitted values for element FT_DATATYPE

Designation	Element value	Explanation	I.chg. in ver.
Class instance type	class_instance_type	Reference to a classification group. By this type it is possible to define a feature that establishes a relationship to another product class; e.g., feature "component". This type has been adopted from the ISO 13584 standard. New value	2005
Positive number	count	Positive number, see also data type **dtCOUNT** New value	2005fd
Currency	currency	Currency code, see also data type **dtCURRENCIES** New value	2005
Date	date	Date, see also data type **dtDATETIME** New value	2005fd
Date and time	date-time	Date and time, see also data type **dtDATETIME** New value	2005fd
Floating-point number	float	Floating-point number, see also data type **dtFLOAT** New value	2005fd
Integer value	integer	Integer value, see also data type **dtINTEGER**	-
Boolean value	logic	"true" or "false", see data type **dtBOOLEAN**	-
Named type	named_type	Named type. This type has been adopted from the ISO 13584 standard. New value	2005
Number	number	Number, see also data type **dtNUMBER**	-
Numeric	numeric	Numeric, see also data type **dtNUMBER**	-
Integer range	range-integer	Range definition by two integer values (see also**FEATURE , Beispiel 1**)	-
Numeric range	range-numeric	Range definition by two numeric values (see also**FEATURE , Beispiel 1**)	-

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Permitted values for element FT_DATATYPE

Designation	Element value	Explanation	l.chg. in ver.
Alphanumeric set	set-alphanumeric	Set of alphanumeric values (see also **FEATURE , Beispiel 1**)	-
Integer set	set-integer	Set of integer values (see also **FEATURE , Beispiel 1**)	-
Numeric set	set-numeric	Set of numeric values (see also **FEATURE , Beispiel 1**)	-
Alphanumeric	string	Alphanumeric string, see also data type **dtSTRING**	-
Time	time	Time, see also data type **dtTIME** New value	2005fd

Permitted values for element FT_VALENCY

Designation	Element value	Explanation	l.chg. in ver.
Multivalent	multivalent	The feature can have more than one value.	2005fd
Univalent	**univalent**	The feature can only have one value.	2005fd

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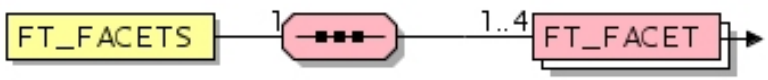
FT_FACETS

(Data type restrictions) *namespace: BMECAT*

This element contains a list of data type restrictions. The restrictions (**FT_FACET**) are based on: XML Schema Part 2: Data types Second Edition - W3C Recommendation 28 October 2004 (**http://www.w3.org/TR/xmlschema-2/#dt-constraining-facet**)

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FEATURE_CONTENT	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Data type restriction	**FT_FACET** **- type**	Mandatory	Multiple (4)	Restriction of the datatpye, e.g. maximum field length *namespace: BMECAT*	-	**dtSTRING**	20	-	2005fd

Example 1: String

The value of the feature ist a string, which has length between 1 and 20 characters.

```
<FEATURE_CONTENT>
    <FT_DATATYPE>string</FT_DATATYPE>
    <FT_FACETS>
        <FT_FACET type="minLength">1</FT_FACET>
        <FT_FACET type="maxLength">20</FT_FACET>
    </FT_FACETS>
</FEATURE_CONTENT>
```

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Example 2: Floating-point number
The value of the feature is a floating-point number, which is in the interval]-5,5] and has no more than 4 digits and 2 decimal places.

```
<FEATURE_CONTENT>
    <FT_DATATYPE>float</FT_DATATYPE>
    <FT_FACETS>
        <FT_FACET type="minExclusive">-5</FT_FACET>
        <FT_FACET type="maxInclusive">5</FT_FACET>
        <FT_FACET type="totalDigits">4</FT_FACET>
        <FT_FACET type="fractionDigits">2</FT_FACET>
    </FT_FACETS>
</FEATURE_CONTENT>
```

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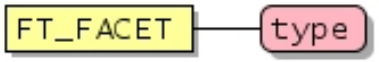
FT_FACET

(Data type restriction) *namespace: BMECAT*

This element defines a restriction on a data type, e.g., maximum length of a character string.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FT_FACETS	-	**dtSTRING**	20	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Restriction type	type	Mandatory	This attribute contains the type of the restriction. See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	2005fd

Permitted values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Minimum length	minLength	Defines the minimum length of all string data types, i.e. 'alphanumeric', 'set-alphanumeric' or 'string'.	2005fd
Maximum length	maxLength	Defines the maximum length of string data types, i.e. 'alphanumeric', 'set-alphanumeric' or 'string'.	2005fd
Included lower bound	minInclusive	Defines the included lower bound of numeric data types, i.e. 'count', 'float', 'integer', 'number', 'numeric', 'range-inter', 'range-numeric', 'set-integer' or 'set-numeric'.	2005fd
Included upper bound	maxInclusive	Defines the included upper bound of numeric data types, i.e. 'count', 'float', 'integer', 'number', 'numeric', 'range-inter', 'range-numeric', 'set-integer' or 'set-numeric'.	2005fd
Excluded lower bound	minExclusive	Defines the excluded lower bound of numeric data types, i.e. 'count', 'float', 'integer', 'number', 'numeric', 'range-inter', 'range-numeric', 'set-integer' or 'set-numeric'.	2005fd
Excluded upper bound	maxExclusive	Defines the excluded upper bound of numeric data types, i.e. 'count', 'float', 'integer', 'number', 'numeric', 'range-inter', 'range-numeric', 'set-integer' or 'set-numeric'.	2005fd
Digits	totalDigits	Defines the maximum number of digits of numeric data types, i.e. 'count', 'float', 'integer', 'number', 'numeric', 'range-integer', 'range-numeric', 'set-integer' oder 'set-numeric'.	2005fd

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Permitted values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Decimal places	fractionDigits	Defines the maximum number of decimal places.	2005fd

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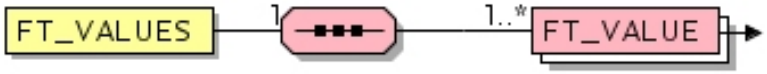
FT_VALUES

(Feature domain values) *namespace: BMECAT*

This element contains a list of allowed values for the feature (only available for enumerative features).

New element

This element was named **FT_DOMAIN_VALUES** and is now named **FT_VALUES**. The sub-element **FT_DOMAIN_VALUE** was renamed to **FT_VALUE**.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FEATURE_CONTENT	-	-	-	-	2005

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Feature value	**FT_VALUE**	Mandatory	Multiple	Value being part of the list of values for this feature *namespace: BMECAT*	-	-	-	-	2005

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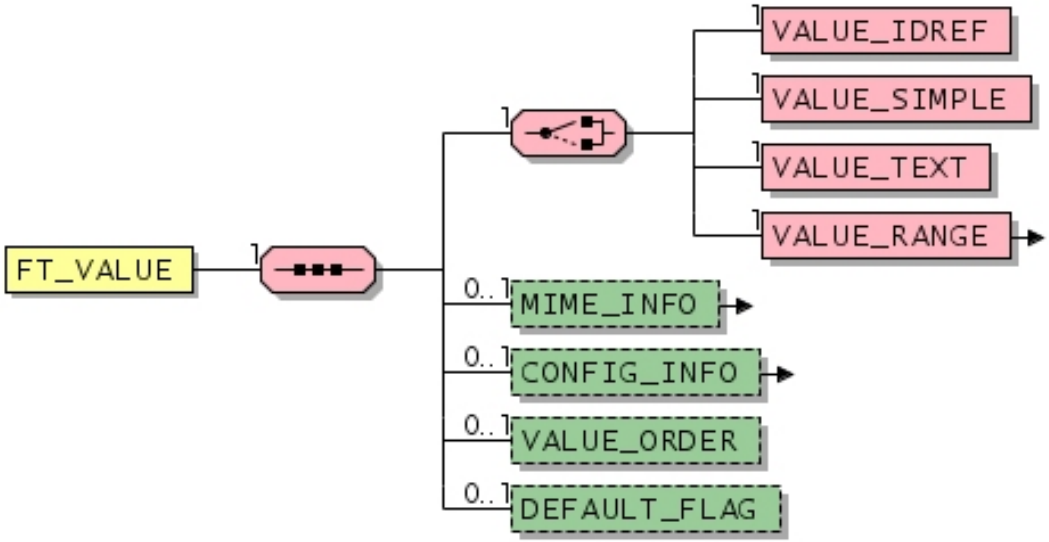
FT_VALUE

(Feature value) *namespace: BMECAT*

This element defines a value as part of the list of values for this feature

New element
This element was named **FT_DOMAIN_VALUE** in BMEcat 2005 final draft, now it is named **FT_VALUE**.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FT_VALUES	-	-	-	-	2005

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to a value	**VALUE_IDREF**	Mandatory	Single	Reference to the unique identifier of a value. The reference must point to a value defined in the document (element **ALLOWED_VALUE** identified by **ALLOWED_VALUE_ID**). This element can only be used for defining features of a classification system; it can not be used for defining features directly for products (**PRODUCT_FEATURES**) or for configurations (**CONFIG_FEATURE**). *namespace: BMECAT* New element	-	**dtSTRING**	60	-	2005fd
Atomic value	**VALUE_SIMPLE**	Mandatory	Single	A single, atomic value *namespace: BMECAT* New element	-	**dtSTRING**	80	-	2005fd
Text value	**VALUE_TEXT**	Mandatory	Single	This element contains a text. *namespace: BMECAT* New element	-	**dtML-STRING**	80	Yes	2005fd
Interval of values	**VALUE_RANGE**	Mandatory	Single	Definition of an interval of values *namespace: BMECAT*	-	-	-	-	2005fd
Additional multimedia information	**MIME_INFO**	Optional	Single	Information about multimedia files For example an illustration which clarifies the value could be added here. *namespace: BMECAT*	-	-	-	-	-
Configuration information	**CONFIG_INFO**	Optional	Single	Information on creating order numbers and prices if the enumerative value is subject of product configuration. *namespace: BMECAT* **TODO.** New element	-	-	-	-	2005fd
Value order	**VALUE_ORDER**	Optional	Single	The order determines how a list of values is presented in target systems, beginning with the lowest number. *namespace: BMECAT* New element	-	**dtINTE-GER**	-	-	2005fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Default flag	**DEFAULT_FLAG**	Optional	Single	Sets the default value of a list of values *namespace: BMECAT* New element	-	**dtBOO-LEAN**	-	-	2005fd

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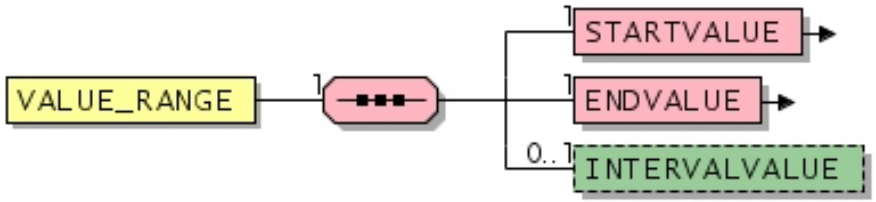
VALUE_RANGE

(Interval of values) *namespace: BMECAT*

This element defines an interval of values.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FT_VALUE	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Start value	**STARTVALUE** **- intervaltype**	Mandatory	Single	Start value of the interval; the value is part of the interval. *namespace: BMECAT*	-	**dtNUM-BER**	-	-	2005fd
End value	**ENDVALUE** **- intervaltype**	Mandatory	Single	End value of the interval; the value is part of the interval. *namespace: BMECAT*	-	**dtNUM-BER**	-	-	2005fd
Distance of values	**INTERVALVALUE**	Optional	Single	Distance between the values in an interval of discrete values. For instance, a domain for the values 110, 120, 130, … 220 can be defined by setting the start and end values (110 and 120) and adding the distance (10). *namespace: BMECAT* New element	-	**dtNUM-BER**	-	-	2005fd

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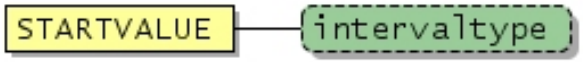
STARTVALUE

(Start value) *namespace: BMECAT*

This element sets the start value of the interval, thus the lower bound that is part of the interval.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
VALUE_RANGE	-	**dtNUM-BER**	-	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Interval type	intervaltype	Optional	This attribute indicates whether the value is part of the domain or not See also: **Permitted values for attribute "intervaltype"**	include	**dtSTRING**	20	-	2005fd

Permitted values for attribute "intervaltype"

Designation	Attribute value	Explanation	I.chg. in ver.
Value excluded	exclude	Indicates that the value is not part of the domain	2005fd
Value included	**include**	Indicates that the value is part of the domain	2005fd

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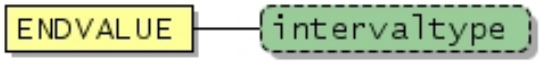
ENDVALUE

(End value) *namespace: BMECAT*

This element sets the end value of the interval, thus the upper bound that is part of the interval.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
VALUE_RANGE	-	**dtNUM-BER**	-	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Interval type	intervaltype	Optional	This attribute indicates whether the value is part of the domain or not See also: **Permitted values for attribute "intervaltype"**	include	**dtSTRING**	20	-	2005fd

Permitted values for attribute "intervaltype"

Designation	Attribute value	Explanation	I.chg. in ver.
Value excluded	exclude	Indicates that the value is not part of the domain	2005fd
Value included	**include**	Indicates that the value is part of the domain	2005fd

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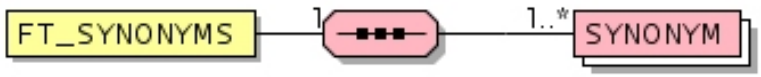
FT_SYNONYMS

(Feature synonyms) *namespace: BMECAT*

This element contains a list of synonyms for the feature name.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FEATURE_CONTENT	-	-	-	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Synonym	**SYNONYM**	Mandatory	Multiple	The synonym support name-based product search. *namespace: BMECAT* The maximum length has been extended from 60 characters to 80 characters.	-	**dtML-STRING**	80	Yes	2005fd

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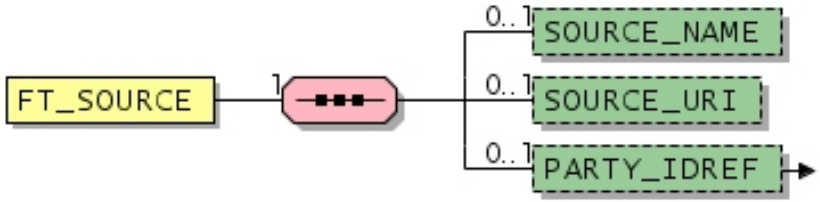
FT_SOURCE

(Feature source) *namespace: BMECAT*

This element contains the source for the feature definition which has been given in the **FT_DESCR** element; e.g. a reference to a document, standard or definition describing the feature.

New element
The sub-element **SOURCE_DESCR** was renamed to **SOURCE_NAME**.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
FEATURE_CONTENT	-	-	-	-	2005

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Source description	**SOURCE_NAME**	Optional	Single	Description of the source, e.g., the name of the document or standard *namespace: BMECAT* New element This element was named **SOURCE_DESCR** in Version 2005 final draft, now it is named **SOURCE_NAME**. The maximum length has been reduced from 250 characters to 80 characters.	-	**dtML-STRING**	80	Yes	2005
URI of the source	**SOURCE_URI**	Optional	Single	URI of the source, e.g., pointing to the document or standard *namespace: BMECAT* New element	-	**dtSTRING**	255	-	2005fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to a business partner	**PARTY_IDREF** **- type**	Optional	Single	Reference to a business partner. It contains the unique identifier (**PARTY_ID**) of the respective party (element **PARTY**). In this context the element is used to reference the organisation which is responsible for the specification of the element. *namespace: BMECAT* 	-	**dtSTRING**	250	-	2005fd

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PARTY_IDREF

(Reference to a business partner) *namespace: BMECAT*

This element provides a reference to a business partner. It contains the unique identifier (**PARTY_ID**) of the respective party (element **PARTY**).

New element

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FT_SOURCE	-	**dtSTRING**	250	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Coding standard	type	Optional	This attribute is used to state the coding standard to which the identifier (**PARTY_ID**) adheres. The most common coding standards are predefined. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	250	-	1.2_fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Buyer-specific number	buyer_specific	Identification number defined by the buyer	-
Customer specific number	customer_specific	Identification number defined by the customer	2005fd
Dun & Bradstreet	duns	DUNS-Number (see also **???http://dbuk.dnb.com/english/DataBase/duns.htm**)	-
Global location number	iln	Internationally called GLN (see GLN below)	-
Global location number	gln	Global Location Number GLN (see also **http://www.ean-int.org/locations.html**)	2005fd
Party-specific number	party_specific	Identification number defined by the respective party	2005fd
Supplier-specific number	supplier_specific	Identification number defined by the supplier	-
Other codification standard	User defined value, format: \w{1,250}	Identificator of codification standard. "\w{1,250}" means that the identificator of the codification standard has to be at least 1 chraracter long up to a maximum of 250 characters.	-

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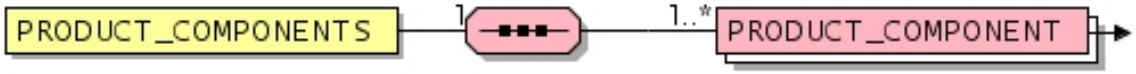
PRODUCT_COMPONENTS

(Product components)

List of product componentes contained in a product.

New element
Sub-element **PRODUCT_COMPONENT** can appear unbounded now.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_ITEM, **PRODUCT_COMPONENT**	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Product component	**PRODUCT_COMPO-NENT**	Mandatory	Multiple	Products which are part of other products and need to be further specified	-	-	-	-	21fd

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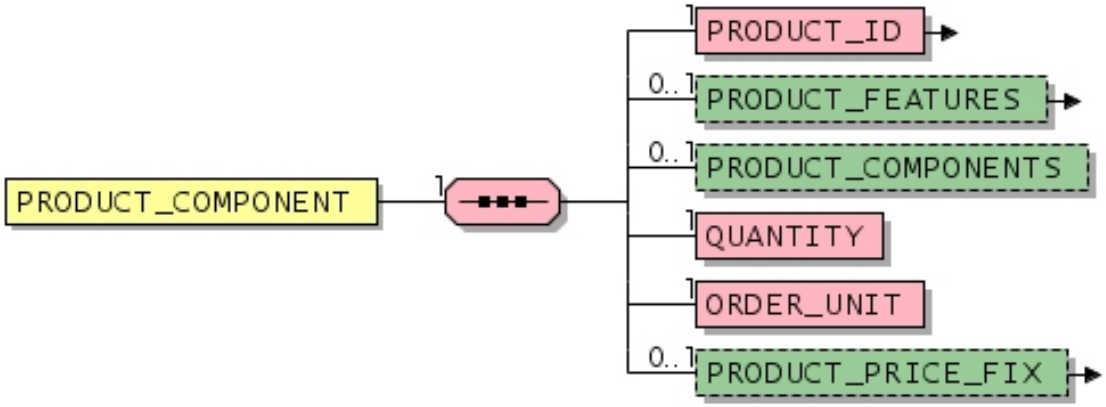
PRODUCT_COMPONENT

(Product component)

Products which are part of other products are specified via this element.

Product components with related price informations only have an informative character. Prices related to product components are not used to integrate in the price calculation of the higher level product.

New element
Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PRODUCT_COMPONENTS	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Product number	**PRODUCT_ID**	Mandatory	Single	Identifier of the product. The included elements ensure the capability of a unique identification of a product.	-	-	-	-	21fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Product features	**PRODUCT_FEATURES**	Optional	Single	Description of the product by features and/or classification of the product	-	-	-	-	21fd
Product components	**PRODUCT_COMPONENTS**	Optional	Single	List of product componentes contained in a product. New element Sub-element **PRODUCT_COMPONENT** can appear unbounded now.	-	-	-	-	21fd
Quantity	**QUANTITY**	Mandatory	Single	Quantity	-	**dtNUMBER**	-	-	2.0
Order unit	**ORDER_UNIT**	Mandatory	Single	Unit in which the product can be ordered; it is only possible to order multiples of the product unit. The price also always refers to this unit (or to part of or multiples of it). Example: Crate of mineral water with 6 bottles Order unit: "crate", contents unit/unit of the article: "bottle" Packing quantity: "6" *namespace: BMECAT*	-	**dtPUNIT**	-	-	-
Determined product price	**PRODUCT_PRICE_FIX**	Optional	Single	A fixed product price	-	-	-	-	20v1

Example

```
<PRODUCT_COMPONENT>
    <PRODUCT_ID>
        <bmecat:SUPPLIER_PID>T-38</bmecat:SUPPLIER_PID>
        <bmecat:DESCRIPTION_SHORT>Notebookbag</bmecat:DESCRIPTION_SHORT>
    </PRODUCT_ID>
    <QUANTITY>4</QUANTITY>
    <bmecat:ORDER_UNIT>BG</bmecat:ORDER_UNIT>
</PRODUCT_COMPONENT>
```

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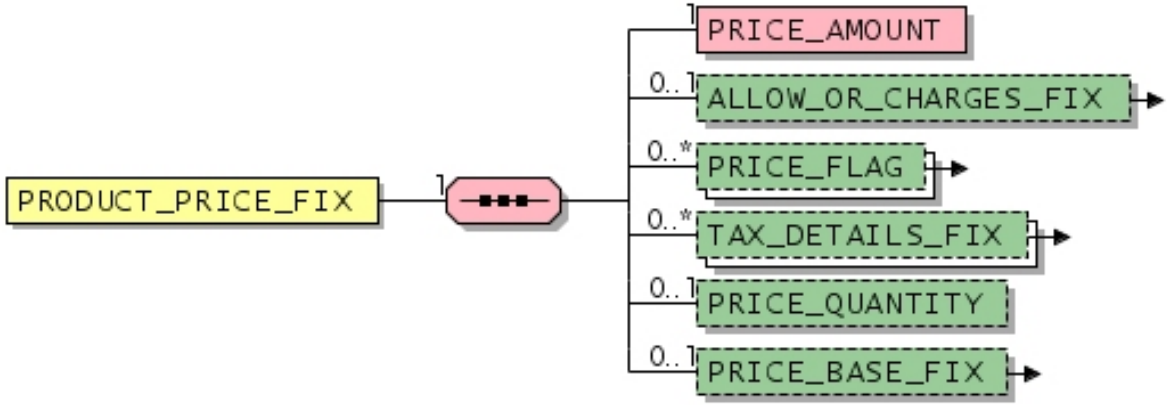
PRODUCT_PRICE_FIX

(Determined product price)

The element specifies a fixed price related to a product. In contrast to the element **PRICE_LINE_AMOUNT** the fixed product price does not contain any dynamic/variable descision opportunities (like graduated prices in relation to the ordered quantity). Therefore the element specifies a value not a price policy. The element should only be used in documents where usually price-information is contained (e.g. invoice).

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_ITEM, **PRODUCT_COMPONENT**	-	-	-	-	20v1

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Price amount	**PRICE_AMOUNT**	Mandatory	Single	Amount of the price *namespace: BMECAT*	-	**dtNUM-BER**	-	-	-
Fixed allowance or surcharges	**ALLOW_OR_CHAR-GES_FIX**	Optional	Single	A list of fixed allowances or surcharges which are to be applied on the price.	-	-	-	-	21fd
Price flag	**PRICE_FLAG - type**	Optional	Multiple	Base of a price (e.g. with/without freight) *namespace: BMECAT*	-	**dtBOO-LEAN**	-	-	-

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Tax details	**TAX_DETAILS_FIX**	Optional	Multiple	Information to an applied tax	-	-	-	-	20v1
Price quantity	**PRICE_QUANTITY**	Optional	Single	If nothing is specified in this field the default value 1 is assumed, in other words the price refers to exactly one order unit. If specified, a multiple or a fraction of the order unit (element **ORDER_UNIT**) which indicates the quantity to which all the specified prices refer. Example: 10 (i.e. the specified price refers to 10 crates) *namespace: BMECAT* A default value was added.	1	**dtNUMBER**	-	-	2005
Fixed price base	**PRICE_BASE_FIX**	Optional	Single	Specifies the calculation of a price	-	-	-	-	20v1

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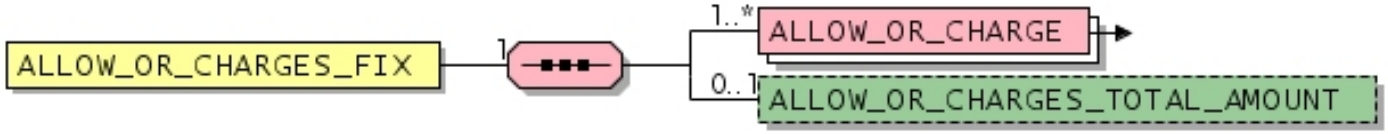
ALLOW_OR_CHARGES_FIX

(Fixed allowance or surcharges)

A list of fixed allowances or surcharges which are to be applied on the price.

New element
Example added.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE_SUMMARY, **PRODUCT_PRICE_FIX**	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Fixed charge or allowance	**ALLOW_OR_CHARGE - type**	Mandatory	Multiple	Description of a fixed surcharge or allowance. Please notice the usage-advice at **ALLOW_OR_CHARGE**.	-	-	-	-	21
Total amount of the allowances and surcharges	**ALLOW_OR_CHARGES_TOTAL_AMOUNT**	Optional	Single	Sum of all allowances and surcharges which lead to a monetary amount. Only those allowances and surcharges are considered which have a real amount (**AOC_MONETARY_AMOUNT**) in **ALLOW_OR_CHARGE_VALUE** or can be calculated via a percentage (**AOC_PERCENTAGE_FACTOR**). New element	-	**dtFLOAT**	-	-	20v1

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Example

```
<ALLOW_OR_CHARGES_FIX>
    <ALLOW_OR_CHARGE type="allowance">
        <ALLOW_OR_CHARGE_TYPE>rebate</ALLOW_OR_CHARGE_TYPE>
        <ALLOW_OR_CHARGE_VALUE>
            <AOC_PERCENTAGE_FACTOR>10.00</AOC_PERCENTAGE_FACTOR>
        </ALLOW_OR_CHARGE_VALUE>
    </ALLOW_OR_CHARGE>
    <ALLOW_OR_CHARGES_TOTAL_AMOUNT>120</ALLOW_OR_CHARGES_TOTAL_AMOUNT>
</ALLOW_OR_CHARGES_FIX>
```

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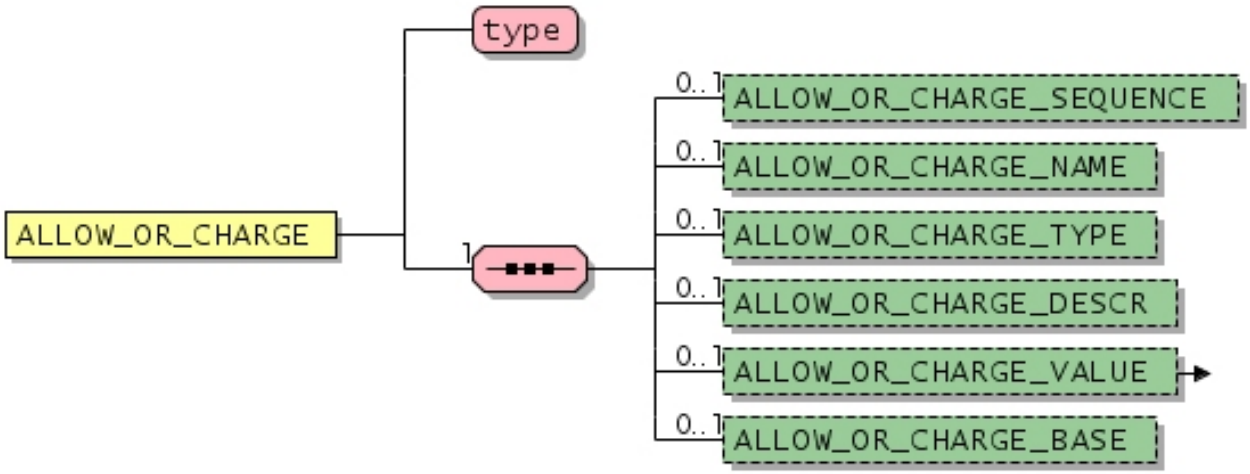
ALLOW_OR_CHARGE

(Fixed charge or allowance)

Description of a fixed surcharge or allowance. Caution: Please ensure that the allowances and charges are only used at allowed document positions. E.g. cash_discounts should be used only in **PAYMENT_TERMS**

New element
Description more detailed.



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ALLOW_OR_CHARGES_FIX	-	-	-	-	21

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Allowance or surcharge	type	Mandatory	Indicates if the element is about an allowance or a surcharge. New attribute See also: **Permitted values for attribute "type"**	-	**dtSTRING**	-	-	20v3

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Permitted values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Allowance	allowance	The element is about an allowance.	20v3
Surcharge	surcharge	The element is about a surcharge.	20v3

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Calculation sequence	**ALLOW_OR_CHARGE_ SEQUENCE**	Optional	Single	This element indicates the sequence for the application of the allowance or surcharge on the amount. The allowances or surcharges are applied in ascending order of the value of the element **ALLOW_OR_CHARGE_SEQUENCE**. That means the allowance or surcharge with the lowest value are applied first to the original amount or (if available) to the **ALLOW_OR_CHARGE_BASE**. Afterwards the surcharges are being added and the allowances are subtracted and the surcharges of the next higher value are determined based on the new calculated amount.	-	**dtCOUNT**	-	-	2.0v1
Allowance or surcharge-name	**ALLOW_OR_CHARGE_ NAME**	Optional	Single	Short name for the allowance or surcharge (e.g. freight, packaging, ...) New element	-	**dtML-STRING**	80	Yes	20v1
Allowance or surcharge-type	**ALLOW_OR_CHARGE_ TYPE**	Optional	Single	Typification of the type of the allowance or surcharge (e.g. freight, postage and packing, ...). New element See also: **Predefined values for element ALLOW_OR_CHARGE_TYPE**	-	**dtSTRING**	30	-	20v1
Allowance or surcharge description	**ALLOW_OR_CHARGE_ DESCR**	Optional	Single	Textual description of the allowance or surcharge. This element can be used to supply additional information about the allowance or surcharge-reason. Examples: In case of island-surcharges the name of the island can be quoted here or the contract reference in case of project reimbursements. New element	-	**dtML-STRING**	250	Yes	20v1
Allowance or surcharge value	**ALLOW_OR_CHARGE_ VALUE**	Optional	Single	Description of the structure of the allowance or surcharge 	-	-	-	-	20v1
Allowance or surcharge-base	**ALLOW_OR_CHARGE_ BASE**	Optional	Single	If declared, this element is the calculation base for the allowance or surcharge instead of the original value or the previous allowance or surcharge-calculations. New element	-	**dtFLOAT**	-	-	20v2

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Predefined values for element ALLOW_OR_CHARGE_TYPE

Designation	Element value	Explanation	I.chg. in ver.
Abroad	abroad	Abroad	20v2
Administration	administration	Administration	20v2
bulky goods	bulk_goods	bulky goods	20v2
Cash discount	cash_discount	Cash discount	20v2
Surcharge	charge	Surcharge	20v2
Cash on delivery	cod	C.O.D. cash on delivery service	20v2
Customs	customs	Customs	20v2
Customization	customization	Customization	20v3
Deposit	deposit	Deposit	20v2
Express	express	Express	20v2
Freight	freight	Freight	20v2
Handling	handling	Handling	20v2
Insurance	insurance	Insurance	20v2
Extra isle-charge	island	Surcharge for islands.	20v2
Surcharge for material	material	Surcharge for material	20v2
Packing	packing	Packing	20v2
Partial Quantity	partial_quantity	Partial Quantity	20v2
Period-bonus	period_bonus	Period-bonus (e.g. annual bonus)	20v2
Postage	postage	Postage	20v2
Project-bonus	project_bonus	Project-bonus	20v2
	overpackaging		-
Rebate	rebate	Rebate	20v2
Recycling	recycling	Recycling	20v2
Minimum quantitiy surcharge	small_order	Minimum quantitiy surcharge	20v2

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Predefined values for element ALLOW_OR_CHARGE_TYPE

Designation	Element value	Explanation	l.chg. in ver.
Sundays, public holidays or night work	special_work_times	Sundays, public holidays or night work	20v2
Toll	toll	Toll	20v2
User defined type	User defined value, format: [\w\-\.]{1,30}	You can use any allowance or surcharge-types. The individual meaning has to be clarified between the partners. "\w{1,30}" means that the name of a type has to be at least one character and be 20 characters in maximum.	-

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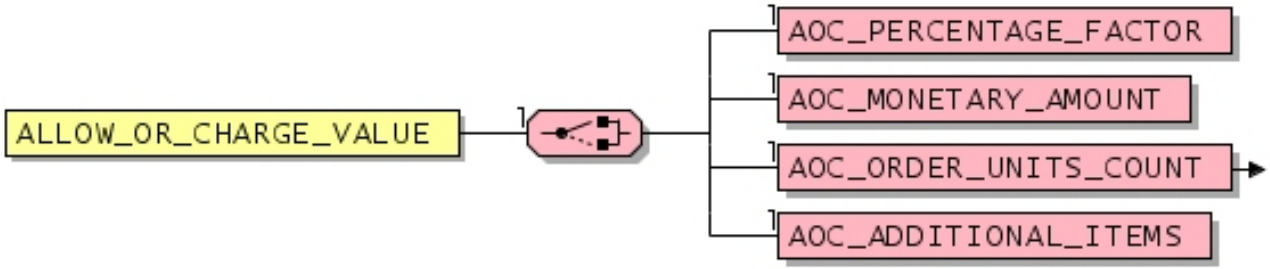
ALLOW_OR_CHARGE_VALUE

(Allowance or surcharge value)

A description of the structure of the allowance or surcharge. The type is defined in the related sub-element. Both allowances and surcharges are positiv values. The attribute **ALLOW_OR_CHARGE -->type** indicates an allowance or surcharge and thus indicates an increase or decrease of the original amount.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ALLOW_OR_CHARGE	-	-	-	-	20v1

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Prozentual Value	**AOC_PERCENTAGE_ FACTOR**	Mandatory	Single	The share of the product-value (factor) to determine the allowance or charge. The allowance or charge is calculated by multiply the **AOC_PERCENTAGE_FACTOR** by the (interim-)product-value which was calculated at this stage of the document. The currency is not different to the currency of the product-price. New element	-	**dtFLOAT**	-	-	20v1
Monetary amount	**AOC_MONETARY_ AMOUNT**	Mandatory	Single	The allowance or charge is defined via an absolut value. The currency is identical with the product price currency. New element	-	**dtFLOAT**	-	-	20v1

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Number of rebates in kind units	**AOC_ORDER_UNITS_ COUNT - type**	Mandatory	Single	Number of rebates or charge in kind units	-	-	-	-	20v1
Additional Items	**AOC_ADDITIONAL_ ITEMS**	Mandatory	Single	Declaration if additional items are dilivered. This field can is only permitted in case of be intended for other items than the items of the parent-product and -order-unit (**ORDER_UNIT**). In case of the same product the field **AOC_ORDER_UNITS_COUNT** has to be used. New element	-	**dtSTRING**	250	-	20v1

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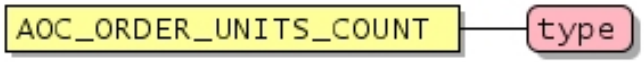
AOC_ORDER_UNITS_COUNT

(Number of rebates in kind units)

The number of rebates or charges in kind units indicates the number of units which are delivered for free. The attribute **AOC_ORDER_UNITS_COUNT -->type** indicates a bonus or an additional charge.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ALLOW_OR_CHARGE_VALUE	-	-	-	-	20v1

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Type of the rebate in kind	type	Mandatory	Indicates a bonus or an additional unit. See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	-

Permitted values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Bonus (bonus included in order)	inclusive	The specified units are give-aways and are subtracted from the ordered quantity (**QUANTITY**) while the total amount is being calculated.	-
Extra Bonus (bonus excluded from order)	exclusive	The specified units are an extra bonus in addition to the ordered **QUANTITY**.	-

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PRICE_FLAG

(Price flag) *namespace: BMECAT*

This element is used to specify the base of a price (e.g. with/without freight)

Where these fields have not been filled out, no statement on the various components of the price base will be made.

Example: `<PRICE_FLAG type="incl_freight">true</PRICE_FLAG>` means that freight costs are included in the related price. `<PRICE_FLAG type="incl_freight">false</PRICE_FLAG>` means that the freight costs are not included in the related price. Where the element PRICE_FLAG does not occur with the attribute "incl_freight", there is no indication of whether the prices are with or without freight. This must therefore be stipulated elsewhere (e.g. in the skeleton agreement).

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PRODUCT_PRICE_FIX	-	**dtBOO-LEAN**	-	-	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Type of costs included	type	Mandatory	This attribute specifies the pool of costs which have an indication of whether or not they contribute to price formation. The list of values can now be extended. The list here contains only the predefined values. See also: **Predefined values for attribute "type"**	-	**dtSTRING**	20	-	2005fd

Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Including insurance	incl_assurance	Price includes insurance This value has been replaced by the new value **PRICE_FLAG -->type =incl_insurance**, it will be become obsolete.	-
Including duty	incl_duty	Price includes duty	-
Including freight	incl_freight	Price includes freight costs	-
Including insurance	incl_insurance	Price includes insurance	2005fd

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Including packing	incl_packing	Price includes packing costs	-
User defined type	User defined value, format: \w{1,20}	User defined type identification. "\w{1,20}" means that the type identification has to be at least 1 chraracter long up to a maximum of 20 characters.	2005fd

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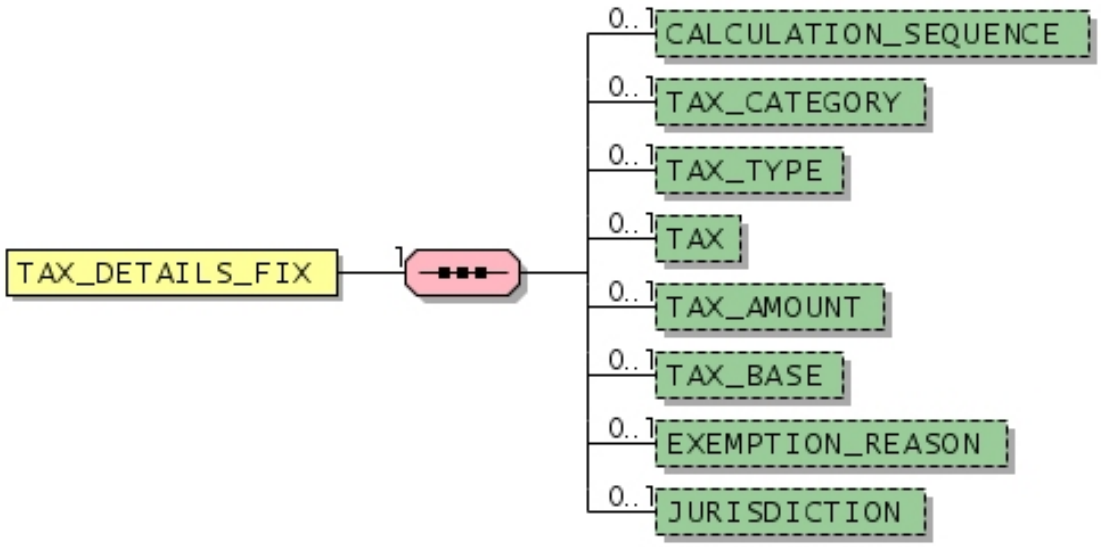
TAX_DETAILS_FIX

(Tax details)

This element contains information of one applicable tax.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PRODUCT_PRICE_FIX	-	-	-	-	20v1

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Calculation sequence	**CALCULATION_SEQUENCE**	Optional	Single	This element determines the sequence for applying multiple taxes to a basis. The taxes must be applied beginning with the lowest value in **CALCULATION_SEQUENCE**. Therefore, the tax with the lowest sequence will be calculated first, then follows the tax with the next higher sequence, and so on. If two taxes have the same sequence, both tax factors must be added prior to calculation. *namespace: BMECAT* New element	1	**dtCOUNT**	-	-	2005
Tax category	**TAX_CATEGORY**	Optional	Single	This element specifies the tax category as a code. By this it is possible to define the tax not as an absolute value, but as the currently valid percentage (**TAX**). The specification should take place, if possible, by using a common code. The list of predefined values contains codes that should be used within the European Union (see also **http://europa.eu.int/comm/taxation_customs/taxation/vat/how_vat_works/rates/index_en.htm**). *namespace: BMECAT* New element See also: **Predefined values for element TAX_CATEGORY**	-	**dtSTRING**	80	-	2005
Tax type	**TAX_TYPE**	Optional	Single	This element specifies the tax type; it should take place by using internationally accepted terms, such as VAT for value added tax. *namespace: BMECAT* New element	vat	**dtSTRING**	250	-	2005
Tax rate	**TAX**	Optional	Single	Factor for tax applicable to this price. Example: "0.16", corresponds to 16 percent. *namespace: BMECAT*	-	**dtNUMBER**	-	-	-
Tax amount	**TAX_AMOUNT**	Optional	Single	Total amount of the tax to be paid. Is the result of multiplying the price and the tax rate (**TAX**) and is listed explicitly for tax reasons. This amount is related to one item-position.	-	**dtNUMBER**	-	-	-
Tax base	**TAX_BASE**	Optional	Single	If used this element specifies the base for the caluclation of the tax. New element	-	**dtNUMBER**	-	-	20fd
Exemption reason	**EXEMPTION_REASON**	Optional	Single	This element gives the reason why the tax is an exemption from the norm. *namespace: BMECAT* New element	-	**dtMLSTRING**	250	Yes	2005

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Jurisdiction	**JURISDICTION**	Optional	Single	Tax jurisdiction *namespace: BMECAT* New element	-	**dtML-STRING**	250	Yes	2005

Predefined values for element TAX_CATEGORY

Designation	Element value	Explanation	I.chg. in ver.
Exemption	exemption	The item is free of tax.	2005
Parking rate	parking_rate	The tax is a parking rate.	2005
Reduced rate	reduced_rate	The tax is a reduced rate.	2005
Standard rate	standard_rate	The tax is the standard rate.	2005
Super reduced rate	super_reduced_rate	The tax is a super reduced rate.	2005
Zero rate	zero_rate	The tax is the zero rate.	2005
Other, user-defined category	User defined value, format: [\w\-\.]{1,80}	The specification of the tax category should take place by commonly used codes. The code should have at least 1 character and 80 characters at the maximum.	2005

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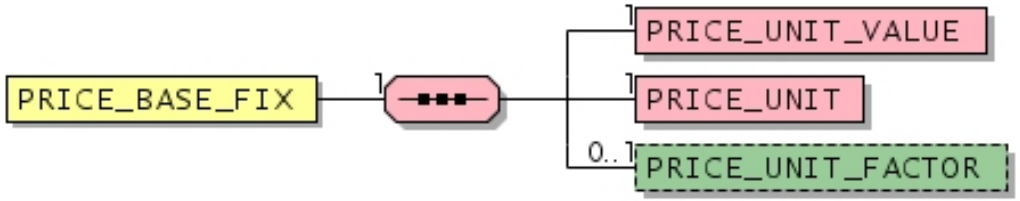
PRICE_BASE_FIX

(Fixed price base)

The element specifies on how the price is calculated based on the price-base. The calculation relies on the price-factor, the price-unit and the amount/number of supplied price-units.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PRODUCT_PRICE_FIX	-	-	-	-	20v1

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Number of price units	**PRICE_UNIT_VALUE**	Mandatory	Single	Number of supplied price units. In the case of product prices not related to an order unit the total price of an item-line (**PRICE_LINE_AMOUNT**) is calculated using a price unit. Then the calculation of the total price of an item-line is the result of the multiplication of **PRICE_UNIT_VALUE** and **PRICE_AMOUNT**. New element	-	**dtFLOAT**	-	-	20v1
Price unit	**PRICE_UNIT**	Mandatory	Single	Unit of measurement on which the price is calculated *namespace: BMECAT* New element	-	**dtPUNIT**	-	-	2005fd
Price unit factor	**PRICE_UNIT_FACTOR**	Optional	Single	The price factor is the conversion factor for price unit and order unit. The underlying formula is: PRICE_UNIT equals **PRICE_UNIT_FACTOR** * **ORDER_UNIT** *namespace: BMECAT* New element A default value was added.	1	**dtFLOAT**	-	-	2005

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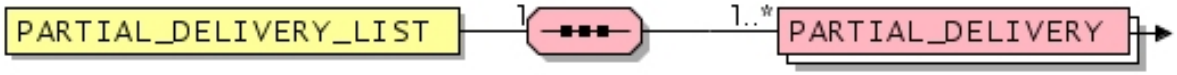
PARTIAL_DELIVERY_LIST

(Partial shipment list)

The element contains information related to items of outstanding partial shipments. Every partial shipment supposes a **PARTIAL_DELIVERY** element containing the expected delivery date (**DELIVERY_DATE**) and quantity (**QUANTITY**).

The element is only allowed to be used if the element **DELIVERY_COMPLETED** specifies the value 'FALSE'.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_ITEM	-	-	-	-	20v2

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Partial shipment	**PARTIAL_DELIVERY**	Mandatory	Multiple	Information to a partial shipment	-	-	-	-	20v2

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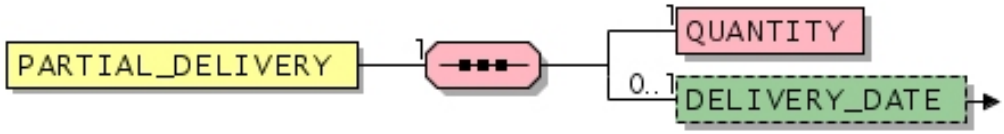
PARTIAL_DELIVERY

(Partial shipment)

The element specifies the expected shipment date (**DELIVERY_DATE**) and the planned quantity (**QUANTITY**) according to an outstanding partial shipment.

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PARTIAL_DELIVERY_LIST	-	-	-	-	20v2

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Quantity	**QUANTITY**	Mandatory	Single	Quantity	-	**dtNUM-BER**	-	-	2.0
Delivery date	**DELIVERY_DATE - type**	Optional	Single	Date of shipment. The delivery date specifies the date the commissioned goods are accepted by the buyer. If the delivery date deviates from the one specified in the header, the delivery date on item level is valid. To specify exact one date for the shipment, e.g. in the RECEIPTACKNOWLEDGEMENT-document, both sub-elements the **DELIVERY_DATE** and the **DELIVERY_END_DATE** should be the equal.	-	-	-	-	21fd

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SPECIAL_TREATMENT_CLASS

(Special treatment class) *namespace: BMECAT*

This elements contains an additional product classification used for hazardous goods or substances, primary pharmaceutical products, radioactive measuring equipment, etc. The “type” attribute specifies the dangerous goods classification scheme.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ORDERRESPONSE_ITEM	-	**dtSTRING**	20	-	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Name of the special treatment rule	type	Mandatory	Short term for the special treatment regulation, e.g., GGVS (Hazardous Goods Order for Road Traffic)	-	**dtSTRING**	50	-	-

Example
(Hazardous Goods Order for Road Traffic, heating oil)

```
<SPECIAL_TREATMENT_CLASS type="GGVS">1201</SPECIAL_TREATMENT_CLASS>
```

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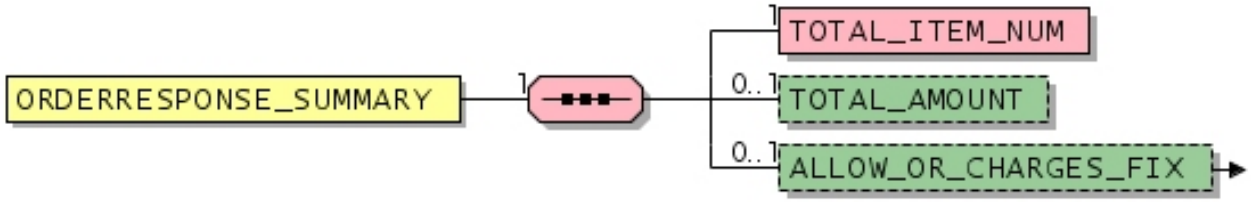
ORDERRESPONSE_SUMMARY

(Summary)

The summary contains information on the number of item lines in the order response. This figure is used for control purposes to make sure that all items have been transferred.

Sub-element **ALLOW_OR_CHARGES_FIX** added to provide the ability to have allowances or surcharges on document-level.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE	-	-	-	-	21fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Number of item lines	**TOTAL_ITEM_NUM**	Mandatory	Single	Contains the total number of item lines in the business document. The information is redundant and is for the purposes of statistical evaluation (e.g. by an intermediary) if appropriate.	-	**dtCOUNT**	-	-	2.0
Total amount	**TOTAL_AMOUNT**	Optional	Single	Total amount covering all items in this business document. Changed definition: Gross price including surcharges, deductions and all taxes. Where no price per item can be given as the item level (e.g. bills of materials where explosion is not possible), the total price can be entered here. Changed definition	-	**dtNUMBER**	-	-	20
Fixed allowance or surcharges	**ALLOW_OR_CHARGES_FIX**	Optional	Single	A list of fixed allowances or surcharges which are to be applied on the price.	-	-	-	-	21fd

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Annex

Basic data types

Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
Boolean value	dtBOOLEAN	The values "true" or "false" can be entered, case-insensitive, i.e. regardless of capital or small letters. **Examples:** TRUE or true or True	Leaned on: XML Schema Part 2: Data types Second Edition W3C Recommendation 28 October 2004 Data type **boolean** **http://www.w3.org/TR/xmlschema-2/#boolean**		-
Integral positive number	dtCOUNT	Integral positive number. No fractions. No negative numbers. "0" is permitted. No separator for thousand is permitted New data type **Examples:** 0; 1; 2; ...	XML Schema Part 2: Data types Second Edition W3C Recommendation 28 October 2004 Data type **nonNegativeInteger** **http://www.w3.org/TR/xmlschema-2/#nonNegativeInteger**		2005fd
Date and time	dtDATETIME	Date and optional time specification This new data type replaces the following types: **dtDATETYPE**, **dtTIMETYPE** and **dtTIME-ZONETYPE** **Examples:** 2005-03-27T08:10:30+01:00 (corresponds to: March 27, 2005 08:10:30 CET); 2005-03; 2005-03-27; 2005-03-27T08:10	XML Schema Part 2: Data types Second Edition W3C Recommendation 28 October 2004 Data type **dateTime** **http://www.w3.org/TR/xmlschema-2/#dateTime** see also: ISO 8601: Representations of dates and times	yyyy-mm-ddThh:mm:ss+tt:00	2005fd
Floating-point number	dtFLOAT	Floating-point number in accordance with IEEE 754 The decimal separator is the dot. No separator for thousand is permitted. **Examples:** .314159265358979E+1 15.4	IEEE 754-1985: IEEE Standard for Binary Floating-Point Arith-metic siehe dazu auch: XML Schema Part 2: Data types Second Edition W3C Recommendation 28 October 2004 Data type **float** **http://www.w3.org/TR/xmlschema-2/#float**		-
Integer value	dtINTEGER	Whole number with an optional sign. No fractions. No floating-point numbers. No separator for thousand is permitted. **Examples:** 1; 58502; -13	XML Schema Part 2: Data types Second Edition W3C Recommendation 28 October 2004 Data type **integer** **http://www.w3.org/TR/xmlschema-2/#integer**		-

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Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.

Multilingual string	dtMLSTRING	This data type differs from the **dtSTRING** data type only in the additional "lang" attribute, which is added to the respective element. The "lang" attribute specifies the language of text used in the element. It has to be coded according to the **dtLANG** data type. This new data type allows multilingual catalogs, thus multilangual content (i.e. texts) can be transferred in a single BMEcat document (see also: **Chapter: Multilingual Catalog Documents**). In a multilingual document, all language-dependent elements of cardinality "single" may occur multiple, though the values of the "lang" attribute must be different.
		
		Examples:
		The short description in the **DESCRIPTION_SHORT** element is provided both in German and English . Note that the "lang" attribute in the second **PRODUCT_DETAILS** element is not necessary, if the default language of the catalog (**CATALOG**) has been set to German.
		
		`<DESCRIPTION_SHORT lang="deu">Schraubendreher</DESCRIPTION_SHORT>`
		`<DESCRIPTION_SHORT lang="eng">Screw driver</DESCRIPTION_SHORT>`
		`...`
		`<DESCRIPTION_SHORT>Bohrer</DESCRIPTION_SHORT>`
		`<DESCRIPTION_SHORT lang="eng">Drill</DESCRIPTION_SHORT>`
					-

Number	dtNUMBER	Numeric value. Used whenever a more specific numeric format is either not required or impractical. There are no restrictions regarding minimum or maximum values, the number of digits or the number of decimal places. The decimal separator is the dot. No separator for thousand is permitted. **Right:** 15 3.14 -123.456E+10 **Wrong:** 13,20 1.000.000			-
Character string	dtSTRING	Character string according to the encoding standard (see also **Chapter: Coding in XML**) **Example:** Screw driver, yellow			-

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Enumeration data types

Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
binary coded data	base64Binary	This data type is used to transport a encoded file in openTRANS-XML-files. The file is not refered by links but included in the XML-document. The file must be encoded according to the 'base64'-method. Further information can be found on **http://www.ietf.org/rfc/rfc2045.txt**. This data type is provided by the w3c and you can find further information on the embedding of files in XML-files at **http://www.w3.org/TR/xml-media-types/**. New data type	Describing Media Content of Binary Data in XML - W3C Working Group Note 4 May 2005 **http://www.w3.org/TR/xml-media-types/**		20v3
Country codes	dtCOUNTRIES	Country codes to indicate areas of availability (**TERRITORY**). The country subdivision codes can be used to subdivide country codes further, for example into regions. **Examples:** DE (Germany); US (USA) DE-NW (North-Rhine Westphalia in Germany) DK-025 (Roskilde Administrative District in Denmark)	ISO 3166-1 Country codes **http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm**	6 characters	-
Currency codes	dtCURRENCIES	Currency codes to indicate currencies **Examples:** EUR (Euro); USD (US Dollar)	ISO 4217:1995 Currency codes [ISO-4217:1995] **http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm** Since 1997 the code "EUR" instead of "XEU" has been in place for Euro. This is proscribed as the official code ISO 4217:2000. It is therefore urgently recommended that "EUR" be used as code for Euro.	3 characters	-
Language codes	dtLANG	Language codes to indicate the language used in texts or pictures **Example:** deu (German)	ISO 639-2:1998 Language code [ISO-639-2:1998] **http://www.loc.gov/standards/iso639-2/php/code_list.php**	3 characters	-

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Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
Package unit codes	dtPUNIT	Package unit codes: this list contains the permitted package units **Example:** C62 (piece)	UN/ECE Recommendation 20 / Package Units **http://www.unece.org/cefact/recommendations/rec_index.htm** The package unit codes have been defined in UN/ECE Recommendation 21 (Codes for types of cargo, packages and packaging materials), and the existing code entries in Recommendation 20 have been flagged for deletion. Due to compatibility, BMEcat 2005 sticks to the 3-letter-code of Recommendation 20. However, future versions of BMEcat may switch to Recommendation 21.	maximal 3 characters	1.2_fd

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Special data types

Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
Header extension	udxHEADER	This data type is defined as empty; it serves for user-defined, thus non-open-TRANS-elements for extending the catalog header.			-
Item extension	udxITEM	This data type is defined as empty and serves for user-defined, thus non-open-TRANS-elements for describing on item level.			-

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History of changes Version 2005fd

Change	Description of changes
ACADEMIC_TITLE	New element
ADDRESS	This element has been extended by the following sub-elements: **DEPARTMENT**, **CONTACT_DETAILS**, **VAT_ID**; the sub-element **EMAIL** may occur more than once if the e-mail address comes with an element **PUBLIC_KEY**.
AUTHENTIFICATION	New element
BUYER_IDREF	This new element replaces together with the **PARTY** element the **BUYER** element.
BUYER_PID	This new element replaces the **BUYER_AID** element.
CONFIG_INFO	New element
CONTACT_DESCR	New element
CONTACT_DETAILS	New element
CONTACT_ID	New element
CONTACT_NAME	New element
CONTACT_ROLE	New element
COUNTRY_CODED	New element
DEFAULT_FLAG	New element
DEPARTMENT	New element
EMAIL	The maximum length has been extended from 100 characters to 250 characters.
EMAILS	New element
ENDVALUE	New element
FAX -->type	New attribute
FEATURE	The element was revised and the following sub-elements were added: **FREF** (in 2005fd CLASSIFICATION_FEATURE_REF), **CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE**, **VALUE_IDREF**, **FVALUE_TYPE**
FEATURE_CONTENT	New element
FT_DATATYPE =count	New value
FT_DATATYPE =date	New value
FT_DATATYPE =date-time	New value
FT_DATATYPE =float	New value

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Change	Description of changes
FT_DATATYPE =time	New value
FT_DESCR	The maximum length has been extended from 250 characters to 16,000 characters.
FT_FACET	New element
FT_FACETS	New element
FT_NAME	The maximum length has been extended from 60 characters to 80 characters.
FT_NOTE	New element
FT_REMARK	New element
FT_SHORTNAME	New element
FT_SOURCE	New element
FT_SYNONYMS	New element
FT_UNIT	The maximum length has been extended from 20 characters to 80 characters.
FT_UNIT_IDREF	This new element replaces with a modified semantics the former **FT_UNIT** element.
FT_VALENCY	New element
FT_VALUE	New element
FT_VALUES	New element
FT_VERSION	New element
FVALUE_TYPE	New element
GROUP_PRODUCT_ORDER	New element
INTERNATIONAL_PID	This new element replaces with an increased maximum field length (100 characters instead of 14 respectively 50 characters) the former **EAN** and **SUPPLIER_ALT_PID** elements.
INTERVALVALUE	New element
LANGUAGE -->default	New attribute
LOGIN	New element
MANUFACTURER_IDREF	New element
MANUFACTURER_PID	This new element replaces former **MANUFACTURER_AID** element.
MIME_ALT	The maximum length has been extended from 50 characters to 80 characters.
MIME_DATA -->contentType =application/xml	New value

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Change	Description of changes
MIME_PURPOSE	The list of allowed values has been extended by 'icon' and 'safety_data_sheet'.
MIME_PURPOSE =icon	New value
MIME_PURPOSE =safety_data_sheet	New value
MIME_TYPE =application/xml	New value
ORIGINAL_DATE	New element
PARTIES	New element
PARTY	New element
PARTY_ID	New element
PARTY_IDREF	New element
PARTY_ROLE	New element
PARTY_ROLE =document_creator	New value
PARTY_ROLE =ipp_operator	New value
PARTY_ROLE =manufacturer	New value
PARTY_ROLE =standardization_body	New value
PARTY_ROLE =supplier	New value
PASSWORD	New element
PHONE	The maximum length has been extended from 30 characters to 50 characters.
PHONE -->type	New attribute
PRICE_FLAG -->type	The list of values can now be extended. The list here contains only the predefined values.
PRICE_FLAG -->type =incl_insurance	The new value 'incl_insurance' replaces the value **PRICE_FLAG -->type =incl_assurance**.
PRICE_FLAG -->type =userdefined_	User-defined value
PRICE_UNIT	New element
PRICE_UNIT_FACTOR	New element
PRODUCT_FEATURES	This new element replaces with a modified semantics the **ARTICLE_FEATURES** element; it has been extended by the following sub-elements: **REFERENCE_FEATURE_GROUP_ID2**, **GROUP_PRODUCT_ORDER**

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Change	Description of changes
PRODUCT_TYPE	New element
REFERENCE_FEATURE_GROUP_ID2	New element
REFERENCE_FEATURE_GROUP_ID -->type	New attribute
REFERENCE_FEATURE_SYSTEM_NAME =CPV-yyyy-mm-dd	New value
REFERENCE_FEATURE_SYSTEM_NAME =EOTD-yyyy-mm-dd	New value
REFERENCE_FEATURE_SYSTEM_NAME =GPC-x.y	New value
REFERENCE_FEATURE_SYSTEM_NAME =PROFICLASS-x.y	New value
REFERENCE_FEATURE_SYSTEM_NAME =RNTD-x.y	New value
REFERENCE_FEATURE_SYSTEM_NAME =RUS-x.y	New value
REMARKS -->type	New attribute
REVISION	New element
REVISION_DATE	New element
SOURCE_NAME	New element
SOURCE_URI	New element
STARTVALUE	New element
SUPPLIER_IDREF	This new element together with the **PARTY** replaces the **SUPPLIER** element.
SUPPLIER_PID	This new element replaces the **SUPPLIER_AID** element.
SYNONYM	The maximum length has been extended from 60 characters to 80 characters.
TITLE	New element
URL	The maximum length has been extended from 100 characters to 250 characters.
VALUE_IDREF	New element
VALUE_ORDER	New element

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Change	Description of changes
VALUE_RANGE	New element
VALUE_SIMPLE	New element
VALUE_TEXT	New element
VAT_ID	New element
VERSION	New element
VERSION_DATE	New element
dtCOUNT	New data type
dtDATETIME	This new data type replaces the following types: **dtDATETYPE**, **dtTIMETYPE** and **dtTIMEZONETYPE**

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History of changes Version 2005

Change	Description of changes
ADDRESS	The sub-elements **PHONE** und **FAX** may occure more than once, due to their type-attribute.
CALCULATION_SEQUENCE	New element
CONTACT_DETAILS	The sub-elements **PHONE** und **FAX** may occure more than once, due to their type-attribute.
CONTACT_ID	The maximum length has been extended from 50 characters to 60 characters.
EXEMPTION_REASON	New element
FEATURE	The sub-element **CLASSIFICATION_FEATURE_REF** was renamed to **FREF**. The sub-element **CLASSIFICATION_SYSTEM_FEATURE_TEMPLATE** was replaced with the fully identical element **FTEMPLATE**. The sub-element **FREF** was replaced with the fully identical element **FT_IDREF**.
FEATURE_CONTENT	The sub-element **FT_DOMAIN_VALUES** was renamed to **FT_VALUES**.
FTEMPLATE	New element
FT_DATATYPE =class_instance_type	New value
FT_DATATYPE =currency	New value
FT_DATATYPE =named_type	New value
FT_DEPENDENCIES	New element
FT_GROUP_IDREF	New element
FT_GROUP_NAME	New element
FT_SOURCE	The sub-element **SOURCE_DESCR** was renamed to **SOURCE_NAME**.
FT_VALUE	This element was named **FT_DOMAIN_VALUE** in BMEcat 2005 final draft, now it is named **FT_VALUE**.
FT_VALUES	This element was named **FT_DOMAIN_VALUES** and is now named **FT_VALUES**. The sub-element **FT_DOMAIN_VALUE** was renamed to **FT_VALUE**.
GROUP_PRODUCT_ORDER	This element was named **CLASSIFICATION_GROUP_PRODUCTORDER** in BMEcat 2005 final draft, now it is named **GROUP_PRODUCT_ORDER**.
JURISDICTION	New element
PRICE_QUANTITY	A default value was added.
PRICE_UNIT_FACTOR	A default value was added.
PRODUCT_FEATURES	The sub-element **CLASSIFICATION_GROUP_PRODUCTORDER** was renamed in **GROUP_PRODUCT_ORDER**.
SOURCE_NAME	This element was named **SOURCE_DESCR** in Version 2005 final draft, now it is named **SOURCE_NAME**. The maximum length has been reduced from 250 characters to 80 characters.
SUPPLIER_PID	The type-attribute was added to this element.

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Change	Description of changes
TAX_CATEGORY	New element
TAX_TYPE	New element

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History of changes Version 20v1

Change	Description of changes
ALLOW_OR_CHARGE	New element
ALLOW_OR_CHARGES_FIX	New element
ALLOW_OR_CHARGES_TOTAL_AMOUNT	New element
ALLOW_OR_CHARGE_DESCR	New element
ALLOW_OR_CHARGE_NAME	New element
ALLOW_OR_CHARGE_TYPE	New element
ALLOW_OR_CHARGE_VALUE	New element
AOC_ADDITIONAL_ITEMS	New element
AOC_MONETARY_AMOUNT	New element
AOC_ORDER_UNITS_COUNT	New element
AOC_PERCENTAGE_FACTOR	New element
CONFIG_CODE_FIX	New element
HEADER_UDX	New element
ITEM_UDX	New element
LOT_NUMBER	New element
PRICE_BASE_FIX	New element
PRICE_UNIT_VALUE	New element
PRODUCT_COMPONENT	New element
PRODUCT_COMPONENTS	New element
PRODUCT_PRICE_FIX	New element
SERIAL_NUMBER	New element
TAX_DETAILS_FIX	New element

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History of changes Version 20v2

Change	Description of changes
ALLOW_OR_CHARGE_BASE	New element
ALLOW_OR_CHARGE_TYPE =abroad	New value
ALLOW_OR_CHARGE_TYPE =administration	New value
ALLOW_OR_CHARGE_TYPE =bulk_goods	New value
ALLOW_OR_CHARGE_TYPE =cash_discount	New value
ALLOW_OR_CHARGE_TYPE =charge	New value
ALLOW_OR_CHARGE_TYPE =cod	New value
ALLOW_OR_CHARGE_TYPE =customs	New value
ALLOW_OR_CHARGE_TYPE =deposit	New value
ALLOW_OR_CHARGE_TYPE =express	New value
ALLOW_OR_CHARGE_TYPE =freight	New value
ALLOW_OR_CHARGE_TYPE =handling	New value
ALLOW_OR_CHARGE_TYPE =insurance	New value
ALLOW_OR_CHARGE_TYPE =island	New value
ALLOW_OR_CHARGE_TYPE =material	New value
ALLOW_OR_CHARGE_TYPE =overpacking	New value
ALLOW_OR_CHARGE_TYPE =packing	New value

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Change	Description of changes
ALLOW_OR_CHARGE_TYPE =partial_quantity	New value
ALLOW_OR_CHARGE_TYPE =period_bonus	New value
ALLOW_OR_CHARGE_TYPE =postage	New value
ALLOW_OR_CHARGE_TYPE =project_bonus	New value
ALLOW_OR_CHARGE_TYPE =rebate	New value
ALLOW_OR_CHARGE_TYPE =recycling	New value
ALLOW_OR_CHARGE_TYPE =small_order	New value
ALLOW_OR_CHARGE_TYPE =special_work_times	New value
ALLOW_OR_CHARGE_TYPE =toll	New value
BANK_ACCOUNT	New attribut 'type' inserted.
BANK_ACCOUNT -->type	New attribute
BANK_CODE	Added new attribute 'type'.
BANK_CODE -->type	New attribute
DELIVERER_IDREF	New element
DELIVERY_IDREF	New element
FILE_NAME	New element
FILE_SIZE	New element
FINAL_DELIVERY_IDREF	New element
INVOICE_RECIPIENT_IDREF	New element
MIME_DATA	New element
MIME_DATA -->contentType	New attribute
MIME_EMBEDDED	New element

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Change	Description of changes
MIME_EMBEDDED -->lang	New attribute
MIME_PURPOSE	The list of allowed values has been extended by 'manual' (manual of a product), 'directions' (directions sketch), 'conformity' (declaration of conformity), 'fax_image' (copy of a fax), 'freehand_sketch' (freehand sketch), 'mounting_guidelines' (assembly guide or installation guide etc.), 'repair_manual' (repair instructions), 'service_descr' (service description), 'service_record' (activity confirmation, record of achievment etc.) and 'warranty' (warranty).
MIME_PURPOSE =conformity	New value
MIME_PURPOSE =directions	New value
MIME_PURPOSE =fax_image	New value
MIME_PURPOSE =freehand_sketch	New value
MIME_PURPOSE =manual	New value
MIME_PURPOSE =mounting_guidelines	New value
MIME_PURPOSE =repair_manual	New value
MIME_PURPOSE =service_descr	New value
MIME_PURPOSE =service_record	New value
MIME_PURPOSE =warranty	New value
PARTIAL_DELIVERY	New element
PARTIAL_DELIVERY_LIST	New element
PARTY_ROLE	The list of pre-defined values has been extended with 'invoice_issuer' (invoicing party), 'invoice_recipient' (invoice receiving party) and 'deliverer' (transportation party, carrier).
PARTY_ROLE =deliverer	New value
PARTY_ROLE =invoice_issuer	New value
PARTY_ROLE =invoice_recipient	New value
TAX_NUMBER	New element

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History of changes Version 20v3

Change	Description of changes
ALLOW_OR_CHARGE -->type	New attribute
ALLOW_OR_CHARGE_TYPE =customization	New value
CONTACT_DETAILS	**AUTHENTIFICATION** was added as sub-element.
CONTACT_ROLE -->type	The list of pre defined values was extended. New items are 'document_issuer' (intermediator), 'marketplace', 'payer', 'remittee' and 'central_regulator' (regulator for centralized settlement).
DOCEXCHANGE_PARTIES_REFERENCE	New element
DOCUMENT_ISSUER_IDREF	New element
DOCUMENT_RECIPIENT_IDREF	New element
MIME	The element **MIME_EMBEDDED** was added.
MIME_PURPOSE	The list of allowed values has been extended by 'verification_report' (Report of verification process).
MIME_PURPOSE =verification_report	New value
ORDER_PARTIES_REFERENCE	In combination with the element **PARTY**, this new element replaces the element ORDER_PARTIES.
PARTY	Sub-element **ACCOUNT** has been added.
PARTY_ROLE	The list of pre-defined values has been extended with 'intermediary' (intermediate party), 'marketplace' (market place), 'payer', 'remittee' and 'central_regulator' (in case of centralized settlement).
PARTY_ROLE =central_regulator	New value
PARTY_ROLE =customer	New value
PARTY_ROLE =delivery	New value
PARTY_ROLE =final_delivery	New value
PARTY_ROLE =intermediary	New value
PARTY_ROLE =marketplace	New value
PARTY_ROLE =payer	New value
PARTY_ROLE =remittee	New value
SHIPMENT_PARTIES_REFERENCE	The element replaces the element ORDER_PARTIES in combination with **PARTY**.
base64Binary	New data type

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History of changes Version 20fd

Change	Description of changes
ACCOUNT	The sub-element **PAYMENT_TERM** was deferred to the element **PAYMENT_TERMS**.
BANK_ACCOUNT	New attribut 'standard' inserted.
FILE_HASH_VALUE	New element
FILE_HASH_VALUE -->lang	New attribute
FILE_HASH_VALUE -->type	New attribute
MIME_PURPOSE	The list of allowed values has been extended by 'signatur_file' (file with an external signature) and 'original_document' (the original document).
MIME_PURPOSE =original_document	New value
MIME_PURPOSE =signatur_file	New value
TAX_BASE	New element

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History of changes Version 20

Change	Description of changes
ADDRESS	The sub-element **CONTACT_DETAILS** was accidently deleted in the draft version and is now inserted again.
ORDERRESPONSE_INFO	For processing improvement reasons the sorting of the elements has been changed.
PARTY	Sub-element **PARTY_ID** set to "mandatory". Sub-element **ADDRESS** has been set to "multiple"
PARTY_ROLE	The list of pre-defined values has been extended with 'other'.
PARTY_ROLE =other	New value
TOTAL_AMOUNT	Changed definition

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History of changes Version 21fd

Change	Description of changes
ACCOUNT	Example added.
ADDRESS	Example adapted.
ALLOW_OR_CHARGES_FIX	Example added.
CONTACT_DETAILS	Changed sub-element **CONTACT_ID** to optional. Example added.
DELIVERY_DATE	Example added.
FEATURE	Example adapted.
FILE_HASH_VALUE	A list of available values was added. Example added.
MIME	Examples adapated.
MIME_TYPE	The element is now mandatory. The receipient can now better process the incoming data since the format is always known.
ORDERRESPONSE_SUMMARY	Sub-element **ALLOW_OR_CHARGES_FIX** added to provide the ability to have allowances or surcharges on document-level.
PARTY	Example added.
PARTY_ROLE	The list of pre-defined values has been extended with 'TrustedThirdParty'.
PARTY_ROLE =trustedthirdparty	New value
PRODUCT_COMPONENT	Example added.
PRODUCT_COMPONENTS	Sub-element **PRODUCT_COMPONENT** can appear unbounded now.
PRODUCT_FEATURES	Examples adapted.
PRODUCT_ID	Example added.

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History of changes Version 21

Change	Description of changes
ALLOW_OR_CHARGE	Description more detailed.

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Overview of elements - order by appearance

Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	**ORDERRESPONSE**	-	-	-	-	2.0
1	|_ SEQUENCE	-	-	-	-	-
1	| |_ **ORDERRESPONSE_HEADER**	-	-	-	-	2.0
1	| | |_ SEQUENCE	-	-	-	-	-
0..1	| | | |_ **CONTROL_INFO**	-	-	-	-	-
1	| | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | |_ **STOP_AUTOMATIC_PROCESSING**	-	**dtSTRING**	250	-	2.0_fd
0..1	| | | | | |_ **GENERATOR_INFO**	-	**dtSTRING**	250	-	-
0..1	| | | | | |_ **GENERATION_DATE**	-	**dtDATETIME**	-	-	2005fd
1	| | | |_ **ORDERRESPONSE_INFO**	-	-	-	-	20
1	| | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | |_ **ORDER_ID**	-	**dtSTRING**	250	-	2.0
1	| | | | | |_ **ORDERRESPONSE_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | |_ **ORDER_DATE**	-	**dtDATETIME**	-	-	2005fd
0..*	| | | | | |_ **ALT_CUSTOMER_ORDER_ID**	-	**dtSTRING**	250	-	2.0
0..1	| | | | | |_ **SUPPLIER_ORDER_ID**	-	**dtSTRING**	250	-	2.0
0..1	| | | | | |_ **ORDERCHANGE_SEQUENCE_ID**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | | | |_ **DELIVERY_DATE**	-	-	-	-	21fd
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | |_ **DELIVERY_START_DATE**	-	**dtDATETIME**	-	-	2005fd
1	| | | | | | | |_ **DELIVERY_END_DATE**	-	**dtDATETIME**	-	-	2005fd
0..*	| | | | | |_ **LANGUAGE**	-	**dtLANG**	-	-	-
0..1	| | | | | |_ **MIME_ROOT**	-	**dtMLSTRING**	250	Yes	-
1	| | | | | |_ **PARTIES**	-	-	-	-	2005fd
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **PARTY**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | | | |_ **PARTY_ID**	-	**dtSTRING**	250	-	2005fd
0..*	| | | | | | | | | |_ **PARTY_ROLE**	-	**dtSTRING**	20	-	21fd
0..*	| | | | | | | | | |_ **ADDRESS**	-	-	-	-	21fd
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | |_ **NAME**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **NAME2**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **NAME3**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **DEPARTMENT**	-	**dtMLSTRING**	50	Yes	2005fd
0..*	| | | | | | | | | | | |_ **CONTACT_DETAILS**	-	-	-	-	21fd
1	| | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | | | |_ **CONTACT_ID**	-	**dtSTRING**	60	-	2005
1..1	| | | | | | | | | | | | | |_ **CONTACT_NAME**	-	**dtMLSTRING**	50	Yes	2005fd
0..1	| | | | | | | | | | | | | |_ **FIRST_NAME**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | | | |_ **TITLE**	-	**dtMLSTRING**	20	Yes	2005fd
0..1	| | | | | | | | | | | | | |_ **ACADEMIC_TITLE**	-	**dtMLSTRING**	50	Yes	2005fd
0..*	| | | | | | | | | | | | | |_ **CONTACT_ROLE**	-	**dtMLSTRING**	50	Yes	2005fd
0..1	| | | | | | | | | | | | | |_ **CONTACT_DESCR**	-	**dtMLSTRING**	250	Yes	2005fd
0..*	| | | | | | | | | | | | | |_ **PHONE**	-	**dtMLSTRING**	50	Yes	2005fd

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..*	| | | | | | | | | | | | | |_ **FAX**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | | | |_ **URL**	-	**dtSTRING**	255	-	2005fd
0..1	| | | | | | | | | | | | | |_ **EMAILS**	-	-	-	-	2005fd
1..*	| | | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | | | |_ **EMAIL**	-	**dtSTRING**	255	-	2005fd
0..*	| | | | | | | | | | | | | | | |_ **PUBLIC_KEY**	-	**dtSTRING**	64000	-	1.2_fd
0..1	| | | | | | | | | | | | | |_ **AUTHENTIFICATION**	-	-	-	-	2005fd
1	| | | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | | | |_ **LOGIN**	-	**dtSTRING**	60	-	2005fd
0..1	| | | | | | | | | | | | | | | |_ **PASSWORD**	-	**dtSTRING**	20	-	2005fd
0..1	| | | | | | | | | | | |_ **STREET**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **ZIP**	-	**dtMLSTRING**	20	Yes	-
0..1	| | | | | | | | | | | |_ **BOXNO**	-	**dtMLSTRING**	20	Yes	-
0..1	| | | | | | | | | | | |_ **ZIPBOX**	-	**dtMLSTRING**	20	Yes	-
0..1	| | | | | | | | | | | |_ **CITY**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **STATE**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **COUNTRY**	-	**dtMLSTRING**	50	Yes	-
0..1	| | | | | | | | | | | |_ **COUNTRY_CODED**	-	**dtCOUNTRIES**	-	-	2005fd
0..1	| | | | | | | | | | | |_ **VAT_ID**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | | | | | | | |_ **TAX_NUMBER**	-	**dtSTRING**	50	-	20v2
0..*	| | | | | | | | | | | |_ **PHONE**	-	**dtMLSTRING**	50	Yes	2005fd
0..*	| | | | | | | | | | | |_ **FAX**	-	**dtMLSTRING**	50	Yes	-
0..*	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | |_ **EMAIL**	-	**dtSTRING**	255	-	2005fd
0..*	| | | | | | | | | | | | |_ **PUBLIC_KEY**	-	**dtSTRING**	64000	-	1.2_fd
0..1	| | | | | | | | | | | |_ **URL**	-	**dtSTRING**	255	-	2005fd
0..1	| | | | | | | | | | | |_ **ADDRESS_REMARKS**	-	**dtMLSTRING**	250	Yes	-
0..*	| | | | | | | | | |_ **ACCOUNT**	-	-	-	-	21fd
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | |_ **HOLDER**	-	**dtSTRING**	50	-	2.0
1	| | | | | | | | | | | |_ **BANK_ACCOUNT**	-	**dtSTRING**	100	-	20fd
0..1	| | | | | | | | | | | |_ **BANK_CODE**	-	**dtSTRING**	50	-	20v2
0..1	| | | | | | | | | | | |_ **BANK_NAME**	-	**dtSTRING**	50	-	2.0
0..1	| | | | | | | | | | | |_ **BANK_COUNTRY**	-	**dtCOUNTRIES**	-	-	2.0
0..1	| | | | | | | | | |_ **MIME_INFO**	-	-	-	-	-
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | | | | | |_ **MIME**	-	-	-	-	21fd
1	| | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | | | |_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1	| | | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..1	| | | | | | | | | | | | | | | |_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..*	| | | | | | | | | | | | | | | |_ **FILE_HASH_VALUE**	-	**dtSTRING**	100	-	21fd
1..*	| | | | | | | | | | | | | | |_ **MIME_EMBEDDED**	-	-	-	-	20v2
1	| | | | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | | | | |_ **MIME_DATA**	-	**base64Binary**	-	-	20v3
0..1	| | | | | | | | | | | | | | | | |_ **FILE_NAME**	-	**dtSTRING**	250	-	20v2

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	| | | | | | | | | | | | | | | | |_ **FILE_SIZE**	-	**dtCOUNT**	-	-	20v2
0..1	| | | | | | | | | | | | | | |_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	| | | | | | | | | | | | | | |_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | | | | | |_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	20v3
0..1	| | | | | | | | | | | | | | |_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
1	| | | | | |_ **ORDER_PARTIES_REFERENCE**	-	-	-	-	20v3
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | |_ **BUYER_IDREF**	-	**dtSTRING**	250	-	2005fd
1	| | | | | | | |_ **SUPPLIER_IDREF**	-	**dtSTRING**	250	-	2005fd
0..1	| | | | | | | |_ **INVOICE_RECIPIENT_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | |_ **SHIPMENT_PARTIES_REFERENCE**	-	-	-	-	20v3
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | |_ **DELIVERY_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | | | |_ **FINAL_DELIVERY_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | | | |_ **DELIVERER_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | |_ **DOCEXCHANGE_PARTIES_REFERENCE**	-	-	-	-	20v3
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | |_ **DOCUMENT_ISSUER_IDREF**	-	**dtSTRING**	250	-	20v3
0..*	| | | | | | | |_ **DOCUMENT_RECIPIENT_IDREF**	-	**dtSTRING**	250	-	20v3
0..1	| | | | | |_ **CURRENCY**	-	**dtCURRENCIES**	-	-	-
0..1	| | | | | |_ **MIME_INFO**	-	-	-	-	-
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **MIME**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | |_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1	| | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..1	| | | | | | | | | | | |_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..*	| | | | | | | | | | | |_ **FILE_HASH_VALUE**	-	**dtSTRING**	100	-	21fd
1..*	| | | | | | | | | | |_ **MIME_EMBEDDED**	-	-	-	-	20v2
1	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | |_ **MIME_DATA**	-	**base64Binary**	-	-	20v3
0..1	| | | | | | | | | | | | |_ **FILE_NAME**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | | | | | | |_ **FILE_SIZE**	-	**dtCOUNT**	-	-	20v2
0..1	| | | | | | | | | | |_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	| | | | | | | | | | |_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | |_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	20v3
0..1	| | | | | | | | | | |_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..*	| | | | | |_ **REMARKS**	-	**dtMLSTRING**	64000	Yes	-
0..1	| | | | | |_ **HEADER_UDX**	-	**udxHEADER**	-	-	20v1
1	| |_ **ORDERRESPONSE_ITEM_LIST**	-	-	-	-	2.0
1	| | |_ SEQUENCE	-	-	-	-	-
1..*	| | | |_ **ORDERRESPONSE_ITEM**	-	-	-	-	2.0
1	| | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | |_ **LINE_ITEM_ID**	-	**dtSTRING**	50	-	2.0
1	| | | | | |_ **PRODUCT_ID**	-	-	-	-	21fd
1	| | | | | | |_ SEQUENCE	-	-	-	-	-

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	| | | | | | | |_ **SUPPLIER_PID**	-	**dtSTRING**	32	-	2005
0..1	| | | | | | | |_ **SUPPLIER_IDREF**	-	**dtSTRING**	250	-	2005fd
0..1	| | | | | | | |_ **CONFIG_CODE_FIX**	-	**dtSTRING**	6000	-	20v1
0..*	| | | | | | | |_ **LOT_NUMBER**	-	**dtSTRING**	80	-	20v1
0..*	| | | | | | | |_ **SERIAL_NUMBER**	-	**dtSTRING**	80	-	20v1
0..*	| | | | | | | |_ **INTERNATIONAL_PID**	-	**dtSTRING**	100	-	2005fd
0..*	| | | | | | | |_ **BUYER_PID**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | | | |_ **DESCRIPTION_SHORT**	-	**dtMLSTRING**	150	Yes	-
0..1	| | | | | | | |_ **DESCRIPTION_LONG**	-	**dtMLSTRING**	64000	Yes	1.2_fd
0..1	| | | | | | | |_ **MANUFACTURER_INFO**	-	-	-	-	2.0_fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | |_ **MANUFACTURER_IDREF**	-	**dtSTRING**	250	-	2005fd
1	| | | | | | | | | |_ **MANUFACTURER_PID**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | | | | | |_ **MANUFACTURER_TYPE_DESCR**	-	**dtMLSTRING**	50	Yes	1.2_fd
0..1	| | | | | | | |_ **PRODUCT_TYPE**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | |_ **PRODUCT_FEATURES**	-	-	-	-	21fd
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | |_ **REFERENCE_FEATURE_SYSTEM_NAME**	-	**dtSTRING**	80	-	-
0..*	| | | | | | | |_ **REFERENCE_FEATURE_GROUP_ID**	-	**dtSTRING**	60	-	-
0..*	| | | | | | | |_ **REFERENCE_FEATURE_GROUP_NAME**	-	**dtMLSTRING**	60	Yes	-
0..*	| | | | | | | |_ **REFERENCE_FEATURE_GROUP_ID2**	-	**dtSTRING**	60	-	2005fd
0..1	| | | | | | | |_ **GROUP_PRODUCT_ORDER**	-	**dtINTEGER**	-	-	2005
0..*	| | | | | | | |_ **FEATURE**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | |_ CHOICE	-	-	-	-	-
1..1	| | | | | | | | | | |_ **FNAME**	-	**dtMLSTRING**	60	Yes	-
1	| | | | | | | | | | |_ **FT_IDREF**	-	**dtSTRING**	60	-	-
1	| | | | | | | | | | |_ **FTEMPLATE**	-	-	-	-	2005
1	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | |_ **FT_ID**	-	**dtSTRING**	60	-	-
1	| | | | | | | | | | | | |_ **FT_NAME**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | | | |_ **FT_SHORTNAME**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | | | |_ **FT_DESCR**	-	**dtMLSTRING**	16000	Yes	2005fd
0..1	| | | | | | | | | | | | |_ **FT_VERSION**	-	-	-	-	2005fd
1	| | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | | |_ **VERSION**	-	**dtSTRING**	20	-	2005fd
0..1	| | | | | | | | | | | | | | |_ **VERSION_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | | | | | | | | | | |_ **REVISION**	-	**dtSTRING**	20	-	2005fd
0..1	| | | | | | | | | | | | | | |_ **REVISION_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | | | | | | | | | | |_ **ORIGINAL_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
0..1	| | | | | | | | | | | | | |_ **FT_GROUP_IDREF**	-	**dtSTRING**	60	-	2005
0..1	| | | | | | | | | | | | | |_ **FT_GROUP_NAME**	-	**dtMLSTRING**	80	Yes	2005
0..1	| | | | | | | | | | | | |_ **FT_DEPENDENCIES**	-	-	-	-	2005
1	| | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | | | | | | | | |_ **FT_IDREF**	-	**dtSTRING**	60	-	-
0..1	| | | | | | | | | | | | | |_ **FEATURE_CONTENT**	-	-	-	-	2005

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **FT_DATATYPE**	-	**dtSTRING**	20	-	-
0..1	|_ **FT_FACETS**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1..4	|_ **FT_FACET**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **FT_VALUES**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **FT_VALUE**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1	|_ CHOICE	-	-	-	-	-
1	|_ **VALUE_IDREF**	-	**dtSTRING**	60	-	2005fd
1	|_ **VALUE_SIMPLE**	-	**dtSTRING**	80	-	2005fd
1	|_ **VALUE_TEXT**	-	**dtMLSTRING**	80	Yes	2005fd
1	|_ **VALUE_RANGE**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **STARTVALUE**	-	**dtNUMBER**	-	-	2005fd
1	|_ **ENDVALUE**	-	**dtNUMBER**	-	-	2005fd
0..1	|_ **INTERVALVALUE**	-	**dtNUMBER**	-	-	2005fd
0..1	|_ **MIME_INFO**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **MIME**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1..1	|_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..1	|_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	|_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..1	|_ **CONFIG_INFO**	-	-	-	-	2005fd
0..1	|_ **VALUE_ORDER**	-	**dtINTEGER**	-	-	2005fd
0..1	|_ **DEFAULT_FLAG**	-	**dtBOOLEAN**	-	-	2005fd
0..1	|_ **FT_VALENCY**	univa-lent	**dtSTRING**	20	-	2005fd
0..1	|_ CHOICE	-	-	-	-	-
0..1	|_ **FT_UNIT_IDREF**	-	**dtSTRING**	60	-	2005fd
0..1	|_ **FT_UNIT**	-	**dtSTRING**	80	-	2005fd
0..1	|_ **FT_MANDATORY**	-	**dtBOOLEAN**	-	-	-
0..1	|_ **FT_ORDER**	-	**dtINTEGER**	-	-	-
0..1	|_ **FT_SYMBOL**	-	**dtMLSTRING**	20	Yes	1.2
0..1	|_ **FT_SYNONYMS**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **SYNONYM**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **MIME_INFO**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **MIME**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1..1	| | | | | | | | | | | | | | | | |_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..1	| | | | | | | | | | | | | | | | |_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	| | | | | | | | | | | | | | | | |_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | | | | | | | |_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	2005fd
0..1	| | | | | | | | | | | | | | | | |_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..1	| | | | | | | | | | | | | |_ **FT_SOURCE**	-	-	-	-	2005
1	| | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | | | | |_ **SOURCE_NAME**	-	**dtMLSTRING**	80	Yes	2005
0..1	| | | | | | | | | | | | | | |_ **SOURCE_URI**	-	**dtSTRING**	255	-	2005fd
0..1	| | | | | | | | | | | | | | |_ **PARTY_IDREF**	-	**dtSTRING**	250	-	2005fd
0..1	| | | | | | | | | | | | | |_ **FT_NOTE**	-	**dtMLSTRING**	16000	Yes	2005fd
0..1	| | | | | | | | | | | | | |_ **FT_REMARK**	-	**dtMLSTRING**	16000	Yes	2005fd
1	| | | | | | | | |_ CHOICE	-	-	-	-	-
1..*	| | | | | | | | | |_ **FVALUE**	-	**dtMLSTRING**	60	Yes	1.2_fd
1..*	| | | | | | | | | |_ **VALUE_IDREF**	-	**dtSTRING**	60	-	2005fd
0..1	| | | | | | | | | |_ **FUNIT**	-	**dtSTRING**	20	-	-
0..1	| | | | | | | | | |_ **FORDER**	-	**dtINTEGER**	-	-	-
0..1	| | | | | | | | | |_ **FDESCR**	-	**dtMLSTRING**	250	Yes	1.2_fd
0..1	| | | | | | | | | |_ **FVALUE_DETAILS**	-	**dtMLSTRING**	250	Yes	1.2_fd
0..1	| | | | | | | | | |_ **FVALUE_TYPE**	-	**dtSTRING**	20	-	2005fd
0..1	| | | | | |_ **PRODUCT_COMPONENTS**	-	-	-	-	21fd
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **PRODUCT_COMPONENT**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | |_ **PRODUCT_ID**	-	-	-	-	21fd
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | |_ **SUPPLIER_PID**	-	**dtSTRING**	32	-	2005
0..1	| | | | | | | | | | | |_ **SUPPLIER_IDREF**	-	**dtSTRING**	250	-	2005fd
0..1	| | | | | | | | | | | |_ **CONFIG_CODE_FIX**	-	**dtSTRING**	6000	-	20v1
0..*	| | | | | | | | | | | |_ **LOT_NUMBER**	-	**dtSTRING**	80	-	20v1
0..*	| | | | | | | | | | | |_ **SERIAL_NUMBER**	-	**dtSTRING**	80	-	20v1
0..*	| | | | | | | | | | | |_ **INTERNATIONAL_PID**	-	**dtSTRING**	100	-	2005fd
0..*	| | | | | | | | | | | |_ **BUYER_PID**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | | | | | | | |_ **DESCRIPTION_SHORT**	-	**dtMLSTRING**	150	Yes	-
0..1	| | | | | | | | | | | |_ **DESCRIPTION_LONG**	-	**dtMLSTRING**	64000	Yes	1.2_fd
0..1	| | | | | | | | | | | |_ **MANUFACTURER_INFO**	-	-	-	-	2.0_fd
1	| | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | |_ **MANUFACTURER_IDREF**	-	**dtSTRING**	250	-	2005fd
1	| | | | | | | | | | | | | |_ **MANUFACTURER_PID**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | | | | | | | | | |_ **MANUFACTURER_TYPE_DESCR**	-	**dtMLSTRING**	50	Yes	1.2_fd
0..1	| | | | | | | | | | | |_ **PRODUCT_TYPE**	-	**dtSTRING**	50	-	2005fd
0..1	| | | | | | | | | |_ **PRODUCT_FEATURES**	-	-	-	-	21fd
1	| | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | |_ **REFERENCE_FEATURE_SYSTEM_NAME**	-	**dtSTRING**	80	-	-
0..*	| | | | | | | | | | |_ **REFERENCE_FEATURE_GROUP_ID**	-	**dtSTRING**	60	-	-
0..*	| | | | | | | | | | |_ **REFERENCE_FEATURE_GROUP_NAME**	-	**dtMLSTRING**	60	Yes	-
0..*	| | | | | | | | | | |_ **REFERENCE_FEATURE_GROUP_ID2**	-	**dtSTRING**	60	-	2005fd

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	|_ **GROUP_PRODUCT_ORDER**	-	**dtINTEGER**	-	-	2005
0..*	|_ **FEATURE**	-	-	-	-	21fd
1	|_ SEQUENCE	-	-	-	-	-
1	|_ CHOICE	-	-	-	-	-
1..1	|_ **FNAME**	-	**dtMLSTRING**	60	Yes	-
1	|_ **FT_IDREF**	-	**dtSTRING**	60	-	-
1	|_ **FTEMPLATE**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **FT_ID**	-	**dtSTRING**	60	-	-
1	|_ **FT_NAME**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **FT_SHORTNAME**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **FT_DESCR**	-	**dtMLSTRING**	16000	Yes	2005fd
0..1	|_ **FT_VERSION**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **VERSION**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **VERSION_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	|_ **REVISION**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **REVISION_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	|_ **ORIGINAL_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	|_ CHOICE	-	-	-	-	-
0..1	|_ **FT_GROUP_IDREF**	-	**dtSTRING**	60	-	2005
0..1	|_ **FT_GROUP_NAME**	-	**dtMLSTRING**	80	Yes	2005
0..1	|_ **FT_DEPENDENCIES**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **FT_IDREF**	-	**dtSTRING**	60	-	-
0..1	|_ **FEATURE_CONTENT**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **FT_DATATYPE**	-	**dtSTRING**	20	-	-
0..1	|_ **FT_FACETS**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1..4	|_ **FT_FACET**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **FT_VALUES**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **FT_VALUE**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
1	|_ CHOICE	-	-	-	-	-
1	|_ **VALUE_IDREF**	-	**dtSTRING**	60	-	2005fd
1	|_ **VALUE_SIMPLE**	-	**dtSTRING**	80	-	2005fd
1	|_ **VALUE_TEXT**	-	**dtMLSTRING**	80	Yes	2005fd
1	|_ **VALUE_RANGE**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **STARTVALUE**	-	**dtNUMBER**	-	-	2005fd
1	|_ **ENDVALUE**	-	**dtNUMBER**	-	-	2005fd
0..1	|_ **INTERVALVALUE**	-	**dtNUMBER**	-	-	2005fd
0..1	|_ **MIME_INFO**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **MIME**	-	-	-	-	-

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1..1	|_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..1	|_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	|_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..1	|_ **CONFIG_INFO**	-	-	-	-	2005fd
0..1	|_ **VALUE_ORDER**	-	**dtINTEGER**	-	-	2005fd
0..1	|_ **DEFAULT_FLAG**	-	**dtBOOLEAN**	-	-	2005fd
0..1	|_ **FT_VALENCY**	univa-lent	**dtSTRING**	20	-	2005fd
0..1	|_ CHOICE	-	-	-	-	-
0..1	|_ **FT_UNIT_IDREF**	-	**dtSTRING**	60	-	2005fd
0..1	|_ **FT_UNIT**	-	**dtSTRING**	80	-	2005fd
0..1	|_ **FT_MANDATORY**	-	**dtBOOLEAN**	-	-	-
0..1	|_ **FT_ORDER**	-	**dtINTEGER**	-	-	-
0..1	|_ **FT_SYMBOL**	-	**dtMLSTRING**	20	Yes	1.2
0..1	|_ **FT_SYNONYMS**	-	-	-	-	2005fd
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **SYNONYM**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **MIME_INFO**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **MIME**	-	-	-	-	-
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1..1	|_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..1	|_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	|_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	|_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..1	|_ **FT_SOURCE**	-	-	-	-	2005
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **SOURCE_NAME**	-	**dtMLSTRING**	80	Yes	2005
0..1	|_ **SOURCE_URI**	-	**dtSTRING**	255	-	2005fd
0..1	|_ **PARTY_IDREF**	-	**dtSTRING**	250	-	2005fd
0..1	|_ **FT_NOTE**	-	**dtMLSTRING**	16000	Yes	2005fd
0..1	|_ **FT_REMARK**	-	**dtMLSTRING**	16000	Yes	2005fd
1	|_ CHOICE	-	-	-	-	-
1..*	|_ **FVALUE**	-	**dtMLSTRING**	60	Yes	1.2_fd
1..*	|_ **VALUE_IDREF**	-	**dtSTRING**	60	-	2005fd
0..1	|_ **FUNIT**	-	**dtSTRING**	20	-	-
0..1	|_ **FORDER**	-	**dtINTEGER**	-	-	-
0..1	|_ **FDESCR**	-	**dtMLSTRING**	250	Yes	1.2_fd
0..1	|_ **FVALUE_DETAILS**	-	**dtMLSTRING**	250	Yes	1.2_fd
0..1	|_ **FVALUE_TYPE**	-	**dtSTRING**	20	-	2005fd
0..1	|_ **PRODUCT_COMPONENTS**	-	-	-	-	21fd

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	| | | | | | | | | |_ **QUANTITY**	-	**dtNUMBER**	-	-	2.0
1	| | | | | | | | | |_ **ORDER_UNIT**	-	**dtPUNIT**	-	-	1.2_fd
0..1	| | | | | | | | | |_ **PRODUCT_PRICE_FIX**	-	-	-	-	20v1
1	| | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | |_ **PRICE_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	| | | | | | | | | | |_ **ALLOW_OR_CHARGES_FIX**	-	-	-	-	21fd
1	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | | | | | | |_ **ALLOW_OR_CHARGE**	-	-	-	-	21
1	| | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_SEQUENCE**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_NAME**	-	**dtMLSTRING**	80	Yes	20v1
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_TYPE**	-	**dtSTRING**	30	-	20v1
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_DESCR**	-	**dtMLSTRING**	250	Yes	20v1
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_VALUE**	-	-	-	-	20v1
1	| | | | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | | | | | | |_ **AOC_PERCENTAGE_FACTOR**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | | | |_ **AOC_MONETARY_AMOUNT**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | | | |_ **AOC_ORDER_UNITS_COUNT**	-	-	-	-	20v1
1	| | | | | | | | | | | | | | | |_ **AOC_ADDITIONAL_ITEMS**	-	**dtSTRING**	250	-	20v1
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_BASE**	-	**dtFLOAT**	-	-	20v2
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGES_TOTAL_AMOUNT**	-	**dtFLOAT**	-	-	20v1
0..*	| | | | | | | | | | | |_ **PRICE_FLAG**	-	**dtBOOLEAN**	-	-	-
0..*	| | | | | | | | | | | |_ **TAX_DETAILS_FIX**	-	-	-	-	20v1
1	| | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | | | |_ **CALCULATION_SEQUENCE**	1	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | | | | | | | |_ **TAX_CATEGORY**	-	**dtSTRING**	80	-	2005
0..1	| | | | | | | | | | | | | |_ **TAX_TYPE**	vat	**dtSTRING**	250	-	2005
0..1	| | | | | | | | | | | | | |_ **TAX**	-	**dtNUMBER**	-	-	-
0..1	| | | | | | | | | | | | | |_ **TAX_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	| | | | | | | | | | | | | |_ **TAX_BASE**	-	**dtNUMBER**	-	-	20fd
0..1	| | | | | | | | | | | | | |_ **EXEMPTION_REASON**	-	**dtMLSTRING**	250	Yes	2005
0..1	| | | | | | | | | | | | | |_ **JURISDICTION**	-	**dtMLSTRING**	250	Yes	2005
0..1	| | | | | | | | | | | |_ **PRICE_QUANTITY**	1	**dtNUMBER**	-	-	2005
0..1	| | | | | | | | | | | |_ **PRICE_BASE_FIX**	-	-	-	-	20v1
1	| | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | |_ **PRICE_UNIT_VALUE**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | |_ **PRICE_UNIT**	-	**dtPUNIT**	-	-	1.2_fd
0..1	| | | | | | | | | | | | | |_ **PRICE_UNIT_FACTOR**	1	**dtFLOAT**	-	-	2005
1	| | | | | |_ **QUANTITY**	-	**dtNUMBER**	-	-	2.0
1	| | | | | |_ **ORDER_UNIT**	-	**dtPUNIT**	-	-	1.2_fd
0..1	| | | | | |_ **PRODUCT_PRICE_FIX**	-	-	-	-	20v1
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | |_ **PRICE_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	| | | | | | | |_ **ALLOW_OR_CHARGES_FIX**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | | | |_ **ALLOW_OR_CHARGE**	-	-	-	-	21
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	| | | | | | | | | | | |_ **ALLOW_OR_CHARGE_SEQUENCE**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | | | | | |_ **ALLOW_OR_CHARGE_NAME**	-	**dtMLSTRING**	80	Yes	20v1
0..1	| | | | | | | | | | | |_ **ALLOW_OR_CHARGE_TYPE**	-	**dtSTRING**	30	-	20v1
0..1	| | | | | | | | | | | |_ **ALLOW_OR_CHARGE_DESCR**	-	**dtMLSTRING**	250	Yes	20v1
0..1	| | | | | | | | | | | |_ **ALLOW_OR_CHARGE_VALUE**	-	-	-	-	20v1
1	| | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | | | | |_ **AOC_PERCENTAGE_FACTOR**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | |_ **AOC_MONETARY_AMOUNT**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | |_ **AOC_ORDER_UNITS_COUNT**	-	-	-	-	20v1
1	| | | | | | | | | | | | | |_ **AOC_ADDITIONAL_ITEMS**	-	**dtSTRING**	250	-	20v1
0..1	| | | | | | | | | | | |_ **ALLOW_OR_CHARGE_BASE**	-	**dtFLOAT**	-	-	20v2
0..1	| | | | | | | | | | |_ **ALLOW_OR_CHARGES_TOTAL_AMOUNT**	-	**dtFLOAT**	-	-	20v1
0..*	| | | | | | | | |_ **PRICE_FLAG**	-	**dtBOOLEAN**	-	-	-
0..*	| | | | | | | | |_ **TAX_DETAILS_FIX**	-	-	-	-	20v1
1	| | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | |_ **CALCULATION_SEQUENCE**	1	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | | | | |_ **TAX_CATEGORY**	-	**dtSTRING**	80	-	2005
0..1	| | | | | | | | | | |_ **TAX_TYPE**	vat	**dtSTRING**	250	-	2005
0..1	| | | | | | | | | | |_ **TAX**	-	**dtNUMBER**	-	-	-
0..1	| | | | | | | | | | |_ **TAX_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	| | | | | | | | | | |_ **TAX_BASE**	-	**dtNUMBER**	-	-	20fd
0..1	| | | | | | | | | | |_ **EXEMPTION_REASON**	-	**dtMLSTRING**	250	Yes	2005
0..1	| | | | | | | | | | |_ **JURISDICTION**	-	**dtMLSTRING**	250	Yes	2005
0..1	| | | | | | | | |_ **PRICE_QUANTITY**	1	**dtNUMBER**	-	-	2005
0..1	| | | | | | | | |_ **PRICE_BASE_FIX**	-	-	-	-	20v1
1	| | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | |_ **PRICE_UNIT_VALUE**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | |_ **PRICE_UNIT**	-	**dtPUNIT**	-	-	1.2_fd
0..1	| | | | | | | | | | |_ **PRICE_UNIT_FACTOR**	1	**dtFLOAT**	-	-	2005
0..1	| | | | | |_ **PRICE_LINE_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	| | | | | |_ CHOICE	-	-	-	-	-
0..1	| | | | | | |_ **DELIVERY_DATE**	-	-	-	-	21fd
1	| | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | |_ **DELIVERY_START_DATE**	-	**dtDATETIME**	-	-	2005fd
1	| | | | | | | | |_ **DELIVERY_END_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | |_ **PARTIAL_DELIVERY_LIST**	-	-	-	-	20v2
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **PARTIAL_DELIVERY**	-	-	-	-	20v2
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | |_ **QUANTITY**	-	**dtNUMBER**	-	-	2.0
0..1	| | | | | | | | | |_ **DELIVERY_DATE**	-	-	-	-	21fd
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | |_ **DELIVERY_START_DATE**	-	**dtDATETIME**	-	-	2005fd
1	| | | | | | | | | | | |_ **DELIVERY_END_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | |_ **SHIPMENT_PARTIES_REFERENCE**	-	-	-	-	20v3
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | |_ **DELIVERY_IDREF**	-	**dtSTRING**	250	-	20v2

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	| | | | | | | |_ **FINAL_DELIVERY_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | |_ **DELIVERER_IDREF**	-	**dtSTRING**	250	-	20v2
0..*	| | | | | |_ **SPECIAL_TREATMENT_CLASS**	-	**dtSTRING**	20	-	-
0..1	| | | | | |_ **MIME_INFO**	-	-	-	-	-
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **MIME**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | |_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1	| | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..1	| | | | | | | | | | | |_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..*	| | | | | | | | | | | |_ **FILE_HASH_VALUE**	-	**dtSTRING**	100	-	21fd
1..*	| | | | | | | | | | |_ **MIME_EMBEDDED**	-	-	-	-	20v2
1	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | |_ **MIME_DATA**	-	**base64Binary**	-	-	20v3
0..1	| | | | | | | | | | | | |_ **FILE_NAME**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | | | | | | |_ **FILE_SIZE**	-	**dtCOUNT**	-	-	20v2
0..1	| | | | | | | | | | |_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	| | | | | | | | | | |_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | |_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	20v3
0..1	| | | | | | | | | | | |_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..*	| | | | | |_ **REMARKS**	-	**dtMLSTRING**	64000	Yes	-
0..1	| | | | | |_ **ITEM_UDX**	-	**udxITEM**	-	-	20v1
1	| |_ **ORDERRESPONSE_SUMMARY**	-	-	-	-	21fd
1	| | |_ SEQUENCE	-	-	-	-	-
1	| | | |_ **TOTAL_ITEM_NUM**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | |_ **TOTAL_AMOUNT**	-	**dtNUMBER**	-	-	20
0..1	| | | |_ **ALLOW_OR_CHARGES_FIX**	-	-	-	-	21fd
1	| | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | |_ **ALLOW_OR_CHARGE**	-	-	-	-	21
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | |_ **ALLOW_OR_CHARGE_SEQUENCE**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | |_ **ALLOW_OR_CHARGE_NAME**	-	**dtMLSTRING**	80	Yes	20v1
0..1	| | | | | | | |_ **ALLOW_OR_CHARGE_TYPE**	-	**dtSTRING**	30	-	20v1
0..1	| | | | | | | |_ **ALLOW_OR_CHARGE_DESCR**	-	**dtMLSTRING**	250	Yes	20v1
0..1	| | | | | | | |_ **ALLOW_OR_CHARGE_VALUE**	-	-	-	-	20v1
1	| | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | |_ **AOC_PERCENTAGE_FACTOR**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | |_ **AOC_MONETARY_AMOUNT**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | |_ **AOC_ORDER_UNITS_COUNT**	-	-	-	-	20v1
1	| | | | | | | | | |_ **AOC_ADDITIONAL_ITEMS**	-	**dtSTRING**	250	-	20v1
0..1	| | | | | | | |_ **ALLOW_OR_CHARGE_BASE**	-	**dtFLOAT**	-	-	20v2
0..1	| | | | | |_ **ALLOW_OR_CHARGES_TOTAL_AMOUNT**	-	**dtFLOAT**	-	-	20v1

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Overview of elements - alphabetical order

Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ACADEMIC_TITLE	-	**dtMLSTRING**	50	Yes	2005fd
ACCOUNT	-	-	-	-	21fd
ADDRESS	-	-	-	-	21fd
ADDRESS_REMARKS	-	**dtMLSTRING**	250	Yes	-
ALLOW_OR_CHARGE	-	-	-	-	21
ALLOW_OR_CHARGES_FIX	-	-	-	-	21fd
ALLOW_OR_CHARGES_TOTAL_AMOUNT	-	**dtFLOAT**	-	-	20v1
ALLOW_OR_CHARGE_BASE	-	**dtFLOAT**	-	-	20v2
ALLOW_OR_CHARGE_DESCR	-	**dtMLSTRING**	250	Yes	20v1
ALLOW_OR_CHARGE_NAME	-	**dtMLSTRING**	80	Yes	20v1
ALLOW_OR_CHARGE_SEQUENCE	-	**dtCOUNT**	-	-	2.0v1
ALLOW_OR_CHARGE_TYPE	-	**dtSTRING**	30	-	20v1
ALLOW_OR_CHARGE_VALUE	-	-	-	-	20v1
ALT_CUSTOMER_ORDER_ID	-	**dtSTRING**	250	-	2.0
AOC_ADDITIONAL_ITEMS	-	**dtSTRING**	250	-	20v1
AOC_MONETARY_AMOUNT	-	**dtFLOAT**	-	-	20v1
AOC_ORDER_UNITS_COUNT	-	-	-	-	20v1
AOC_PERCENTAGE_FACTOR	-	**dtFLOAT**	-	-	20v1
AUTHENTIFICATION	-	-	-	-	2005fd
BANK_ACCOUNT	-	**dtSTRING**	100	-	20fd
BANK_CODE	-	**dtSTRING**	50	-	20v2
BANK_COUNTRY	-	**dtCOUNTRIES**	-	-	2.0
BANK_NAME	-	**dtSTRING**	50	-	2.0
BOXNO	-	**dtMLSTRING**	20	Yes	-
BUYER_IDREF	-	**dtSTRING**	250	-	2005fd

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
BUYER_PID	-	**dtSTRING**	50	-	2005fd
CALCULATION_SEQUENCE	1	**dtCOUNT**	-	-	2005
CITY	-	**dtMLSTRING**	50	Yes	-
CONFIG_CODE_FIX	-	**dtSTRING**	6000	-	20v1
CONFIG_INFO	-	-	-	-	2005fd
CONTACT_DESCR	-	**dtMLSTRING**	250	Yes	2005fd
CONTACT_DETAILS	-	-	-	-	21fd
CONTACT_ID	-	**dtSTRING**	60	-	2005
CONTACT_NAME	-	**dtMLSTRING**	50	Yes	2005fd
CONTACT_ROLE	-	**dtMLSTRING**	50	Yes	2005fd
CONTROL_INFO	-	-	-	-	-
COUNTRY	-	**dtMLSTRING**	50	Yes	-
COUNTRY_CODED	-	**dtCOUNTRIES**	-	-	2005fd
CURRENCY	-	**dtCURRENCIES**	-	-	-
DEFAULT_FLAG	-	**dtBOOLEAN**	-	-	2005fd
DELIVERER_IDREF	-	**dtSTRING**	250	-	20v2
DELIVERY_DATE	-	-	-	-	21fd
DELIVERY_END_DATE	-	**dtDATETIME**	-	-	2.0
DELIVERY_IDREF	-	**dtSTRING**	250	-	20v2
DELIVERY_START_DATE	-	**dtDATETIME**	-	-	2.0
DEPARTMENT	-	**dtMLSTRING**	50	Yes	2005fd
DESCRIPTION_LONG	-	**dtMLSTRING**	64000	Yes	1.2_fd
DESCRIPTION_SHORT	-	**dtMLSTRING**	150	Yes	-
DOCEXCHANGE_PARTIES_REFERENCE	-	-	-	-	20v3
DOCUMENT_ISSUER_IDREF	-	**dtSTRING**	250	-	20v3
DOCUMENT_RECIPIENT_IDREF	-	**dtSTRING**	250	-	20v3

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
EMAIL	-	**dtSTRING**	255	-	2005fd
EMAILS	-	-	-	-	2005fd
ENDVALUE	-	**dtNUMBER**	-	-	2005fd
EXEMPTION_REASON	-	**dtMLSTRING**	250	Yes	2005
FAX	-	**dtMLSTRING**	50	Yes	-
FDESCR	-	**dtMLSTRING**	250	Yes	1.2_fd
FEATURE	-	-	-	-	21fd
FEATURE_CONTENT	-	-	-	-	2005
FILE_HASH_VALUE	-	**dtSTRING**	100	-	21fd
FILE_NAME	-	**dtSTRING**	250	-	20v2
FILE_SIZE	-	**dtCOUNT**	-	-	20v2
FINAL_DELIVERY_IDREF	-	**dtSTRING**	250	-	20v2
FIRST_NAME	-	**dtMLSTRING**	50	Yes	-
FNAME	-	**dtMLSTRING**	60	Yes	-
FORDER	-	**dtINTEGER**	-	-	-
FTEMPLATE	-	-	-	-	2005
FT_DATATYPE	-	**dtSTRING**	20	-	-
FT_DEPENDENCIES	-	-	-	-	2005
FT_DESCR	-	**dtMLSTRING**	16000	Yes	2005fd
FT_FACET	-	**dtSTRING**	20	-	2005fd
FT_FACETS	-	-	-	-	2005fd
FT_GROUP_IDREF	-	**dtSTRING**	60	-	2005
FT_GROUP_NAME	-	**dtMLSTRING**	80	Yes	2005
FT_ID	-	**dtSTRING**	60	-	-
FT_IDREF	-	**dtSTRING**	60	-	-
FT_MANDATORY	-	**dtBOOLEAN**	-	-	-

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
FT_NAME	-	**dtMLSTRING**	80	Yes	2005fd
FT_NOTE	-	**dtMLSTRING**	16000	Yes	2005fd
FT_ORDER	-	**dtINTEGER**	-	-	-
FT_REMARK	-	**dtMLSTRING**	16000	Yes	2005fd
FT_SHORTNAME	-	**dtMLSTRING**	80	Yes	2005fd
FT_SOURCE	-	-	-	-	2005
FT_SYMBOL	-	**dtMLSTRING**	20	Yes	1.2
FT_SYNONYMS	-	-	-	-	2005fd
FT_UNIT	-	**dtSTRING**	80	-	2005fd
FT_UNIT_IDREF	-	**dtSTRING**	60	-	2005fd
FT_VALENCY	univa-lent	**dtSTRING**	20	-	2005fd
FT_VALUE	-	-	-	-	2005
FT_VALUES	-	-	-	-	2005
FT_VERSION	-	-	-	-	2005fd
FUNIT	-	**dtSTRING**	20	-	-
FVALUE	-	**dtMLSTRING**	60	Yes	1.2_fd
FVALUE_DETAILS	-	**dtMLSTRING**	250	Yes	1.2_fd
FVALUE_TYPE	-	**dtSTRING**	20	-	2005fd
GENERATION_DATE	-	**dtDATETIME**	-	-	2.0_fd
GENERATOR_INFO	-	**dtSTRING**	250	-	-
GROUP_PRODUCT_ORDER	-	**dtINTEGER**	-	-	2005
HEADER_UDX	-	**udxHEADER**	-	-	20v1
HOLDER	-	**dtSTRING**	50	-	2.0
INTERNATIONAL_PID	-	**dtSTRING**	100	-	2005fd
INTERVALVALUE	-	**dtNUMBER**	-	-	2005fd

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
INVOICE_RECIPIENT_IDREF	-	**dtSTRING**	250	-	20v2
ITEM_UDX	-	**udxITEM**	-	-	20v1
JURISDICTION	-	**dtMLSTRING**	250	Yes	2005
LANGUAGE	-	**dtLANG**	-	-	-
LINE_ITEM_ID	-	**dtSTRING**	50	-	2.0
LOGIN	-	**dtSTRING**	60	-	2005fd
LOT_NUMBER	-	**dtSTRING**	80	-	20v1
MANUFACTURER_IDREF	-	**dtSTRING**	250	-	2005fd
MANUFACTURER_INFO	-	-	-	-	2.0_fd
MANUFACTURER_PID	-	**dtSTRING**	50	-	2005fd
MANUFACTURER_TYPE_DESCR	-	**dtMLSTRING**	50	Yes	1.2_fd
MIME	-	-	-	-	21fd
MIME_ALT	-	**dtMLSTRING**	80	Yes	2005fd
MIME_DATA	-	**base64Binary**	-	-	20v2
MIME_DESCR	-	**dtMLSTRING**	250	Yes	-
MIME_EMBEDDED	-	-	-	-	20v2
MIME_INFO	-	-	-	-	-
MIME_ORDER	-	**dtINTEGER**	-	-	-
MIME_PURPOSE	-	**dtSTRING**	20	-	20v3
MIME_ROOT	-	**dtMLSTRING**	250	Yes	-
MIME_SOURCE	-	**dtMLSTRING**	255	Yes	-
MIME_TYPE	-	**dtSTRING**	30	-	21fd
NAME	-	**dtMLSTRING**	50	Yes	-
NAME2	-	**dtMLSTRING**	50	Yes	-
NAME3	-	**dtMLSTRING**	50	Yes	-
ORDERCHANGE_SEQUENCE_ID	-	**dtCOUNT**	-	-	2.0

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ORDERRESPONSE	-	-	-	-	2.0
ORDERRESPONSE_DATE	-	**dtDATETIME**	-	-	2.0
ORDERRESPONSE_HEADER	-	-	-	-	2.0
ORDERRESPONSE_INFO	-	-	-	-	20
ORDERRESPONSE_ITEM	-	-	-	-	2.0
ORDERRESPONSE_ITEM_LIST	-	-	-	-	2.0
ORDERRESPONSE_SUMMARY	-	-	-	-	21fd
ORDER_DATE	-	**dtDATETIME**	-	-	2.0
ORDER_ID	-	**dtSTRING**	250	-	2.0
ORDER_PARTIES_REFERENCE	-	-	-	-	20v3
ORDER_UNIT	-	**dtPUNIT**	-	-	-
ORIGINAL_DATE	-	**dtDATETIME**	-	-	2005fd
PARTIAL_DELIVERY	-	-	-	-	20v2
PARTIAL_DELIVERY_LIST	-	-	-	-	20v2
PARTIES	-	-	-	-	2005fd
PARTY	-	-	-	-	21fd
PARTY_ID	-	**dtSTRING**	250	-	2005fd
PARTY_IDREF	-	**dtSTRING**	250	-	2005fd
PARTY_ROLE	-	**dtSTRING**	20	-	21fd
PASSWORD	-	**dtSTRING**	20	-	2005fd
PHONE	-	**dtMLSTRING**	50	Yes	2005fd
PRICE_AMOUNT	-	**dtNUMBER**	-	-	-
PRICE_BASE_FIX	-	-	-	-	20v1
PRICE_FLAG	-	**dtBOOLEAN**	-	-	-
PRICE_LINE_AMOUNT	-	**dtNUMBER**	-	-	-
PRICE_QUANTITY	1	**dtNUMBER**	-	-	2005

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Element name	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PRICE_UNIT	-	**dtPUNIT**	-	-	2005fd
PRICE_UNIT_FACTOR	1	**dtFLOAT**	-	-	2005
PRICE_UNIT_VALUE	-	**dtFLOAT**	-	-	20v1
PRODUCT_COMPONENT	-	-	-	-	21fd
PRODUCT_COMPONENTS	-	-	-	-	21fd
PRODUCT_FEATURES	-	-	-	-	21fd
PRODUCT_ID	-	-	-	-	21fd
PRODUCT_PRICE_FIX	-	-	-	-	20v1
PRODUCT_TYPE	-	**dtSTRING**	50	-	2005fd
PUBLIC_KEY	-	**dtSTRING**	64000	-	1.2_fd
QUANTITY	-	**dtNUMBER**	-	-	2.0
REFERENCE_FEATURE_GROUP_ID	-	**dtSTRING**	60	-	-
REFERENCE_FEATURE_GROUP_ID2	-	**dtSTRING**	60	-	2005fd
REFERENCE_FEATURE_GROUP_NAME	-	**dtMLSTRING**	60	Yes	-
REFERENCE_FEATURE_SYSTEM_NAME	-	**dtSTRING**	80	-	-
REMARKS	-	**dtMLSTRING**	64000	Yes	-
REVISION	-	**dtSTRING**	20	-	2005fd
REVISION_DATE	-	**dtDATETIME**	-	-	2005fd
SERIAL_NUMBER	-	**dtSTRING**	80	-	20v1
SHIPMENT_PARTIES_REFERENCE	-	-	-	-	20v3
SOURCE_NAME	-	**dtMLSTRING**	80	Yes	2005
SOURCE_URI	-	**dtSTRING**	255	-	2005fd
SPECIAL_TREATMENT_CLASS	-	**dtSTRING**	20	-	-
STARTVALUE	-	**dtNUMBER**	-	-	2005fd
STATE	-	**dtMLSTRING**	50	Yes	-
STOP_AUTOMATIC_PROCESSING	-	**dtSTRING**	250	-	2.0_fd

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
STREET	-	**dtMLSTRING**	50	Yes	-
SUPPLIER_IDREF	-	**dtSTRING**	250	-	2005fd
SUPPLIER_ORDER_ID	-	**dtSTRING**	250	-	2.0
SUPPLIER_PID	-	**dtSTRING**	32	-	2005
SYNONYM	-	**dtMLSTRING**	80	Yes	2005fd
TAX	-	**dtNUMBER**	-	-	-
TAX_AMOUNT	-	**dtNUMBER**	-	-	-
TAX_BASE	-	**dtNUMBER**	-	-	20fd
TAX_CATEGORY	-	**dtSTRING**	80	-	2005
TAX_DETAILS_FIX	-	-	-	-	20v1
TAX_NUMBER	-	**dtSTRING**	50	-	20v2
TAX_TYPE	vat	**dtSTRING**	250	-	2005
TITLE	-	**dtMLSTRING**	20	Yes	2005fd
TOTAL_AMOUNT	-	**dtNUMBER**	-	-	20
TOTAL_ITEM_NUM	-	**dtCOUNT**	-	-	2.0
URL	-	**dtSTRING**	255	-	2005fd
VALUE_IDREF	-	**dtSTRING**	60	-	2005fd
VALUE_ORDER	-	**dtINTEGER**	-	-	2005fd
VALUE_RANGE	-	-	-	-	2005fd
VALUE_SIMPLE	-	**dtSTRING**	80	-	2005fd
VALUE_TEXT	-	**dtMLSTRING**	80	Yes	2005fd
VAT_ID	-	**dtSTRING**	50	-	2005fd
VERSION	-	**dtSTRING**	20	-	2005fd
VERSION_DATE	-	**dtDATETIME**	-	-	2005fd
ZIP	-	**dtMLSTRING**	20	Yes	-
ZIPBOX	-	**dtMLSTRING**	20	Yes	-

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