



openTRANS[®] Version 2.1

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RECEIPTACKNOWLEDGEMENT

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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 detailed 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

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 webpage 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 one 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

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;

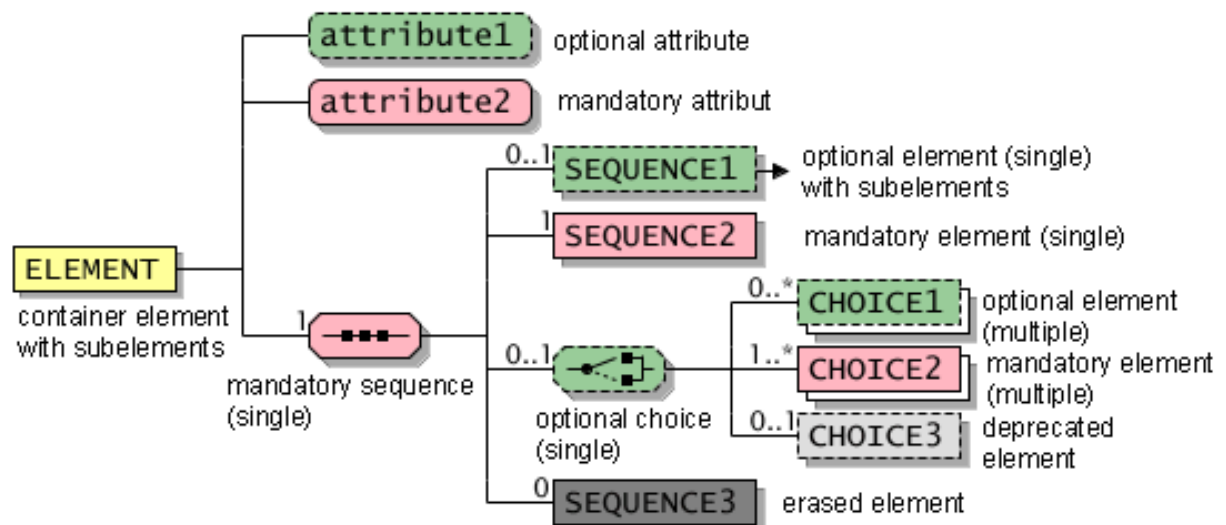

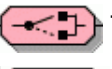
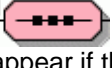


Figure 2-1: Visualization of elements and sub-elements

The element being described always appears on the left page and the subelements appear, one below the other, on the right page. Elements are shown 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 continuous 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 continuous 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

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 attributes 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" and "Alt. in version" are used as indicated in the table "Attributes" or the table "General"; table rows colored in a bright grey indicate attributes 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 attribute-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>
  ...
```

```
</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 delivery 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**

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.

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](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 multilevel surcharges and discounts
- better support for scenarios including 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 simplifies the usage of the data and software-systems using both standards.

Due to the asynchronous 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.

Reference of elements - order by appearance

RECEIPTACKNOWLEDGEMENT


(Confirmation of receipt of goods)

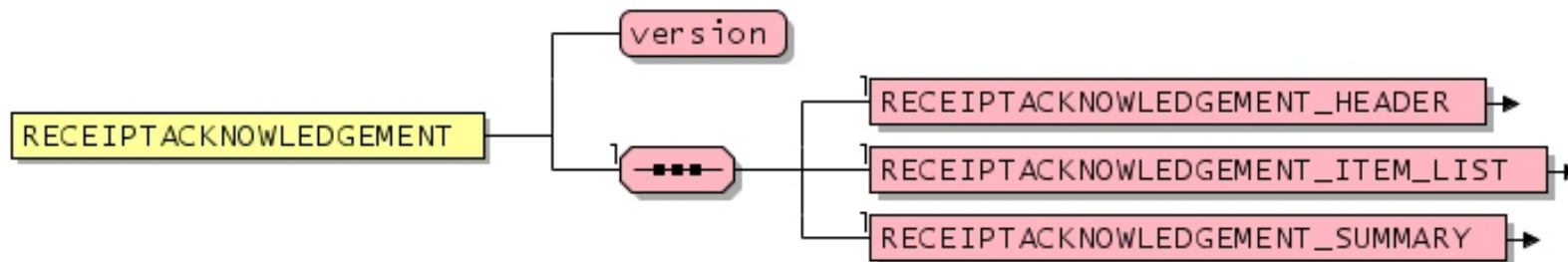
The business document RECEIPTACKNOWLEDGEMENT is used to convey information on the receipt of the goods.

Every valid RECEIPTACKNOWLEDGEMENT in openTRANS® format is triggered by the root element RECEIPTACKNOWLEDGEMENT and consists of a header (RECEIPTACKNOWLEDGEMENT_HEADER), an item level (RECEIPTACKNOWLEDGEMENT_ITEM_LIST) and a summary (RECEIPTACKNOWLEDGEMENT_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 the automatic processing of the business document or information identifying the document. The header also lays down default settings for the following item level.

The item level contains the individual positions in the receipt acknowledgement. Here the information is taken from the header on the item level provided the item level has not been overwritten.

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

 The document RECEIPTACKNOWLEDGEMENT may only be send once per article or article list, i.e. multiple confirmation of receipt of the goods, e.g. through the goods receiving department and the final recipient is not permitted.



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

Permitted values for attribute "version"

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

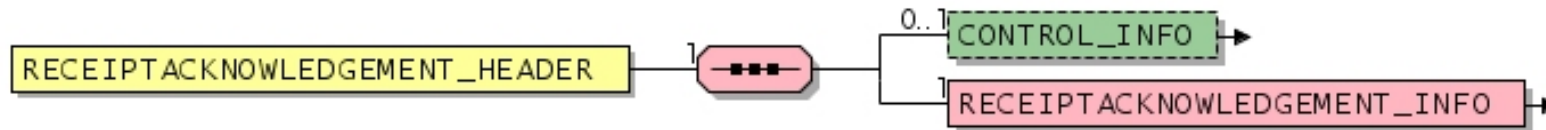
Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Header level	RECEIPTACKNOWLEDGEMENT_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	RECEIPTACKNOWLEDGEMENT_ITEM_LIST	Mandatory	Single	The item level lists the individual positions of the confirmation of receipt of goods.	-	-	-	-	2.0
Summary	RECEIPTACKNOWLEDGEMENT_SUMMARY	Mandatory	Single	Summary of the item information on the receipt acknowledgement. The information in this element is redundant.	-	-	-	-	2.0

RECEIPTACKNOWLEDGEMENT_HEADER

(Header level)

The header is specified by the RECEIPTACKNOWLEDGEMENT_HEADER element. RECEIPTACKNOWLEDGEMENT_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 (RECEIPTACKNOWLEDGEMENT).



General

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

Elements

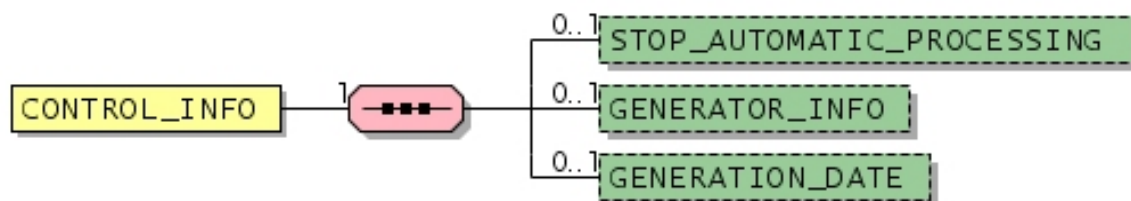
Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Control information	CONTROL_INFO	Optional	Single	Control information for the automatic processing of the business documents	-	-	-	-	-
Dispatch notification information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

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.
RECEIPTACKNOWLEDGEMENT_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.	-	dtDATE-TIME	-	-	2.0_fd

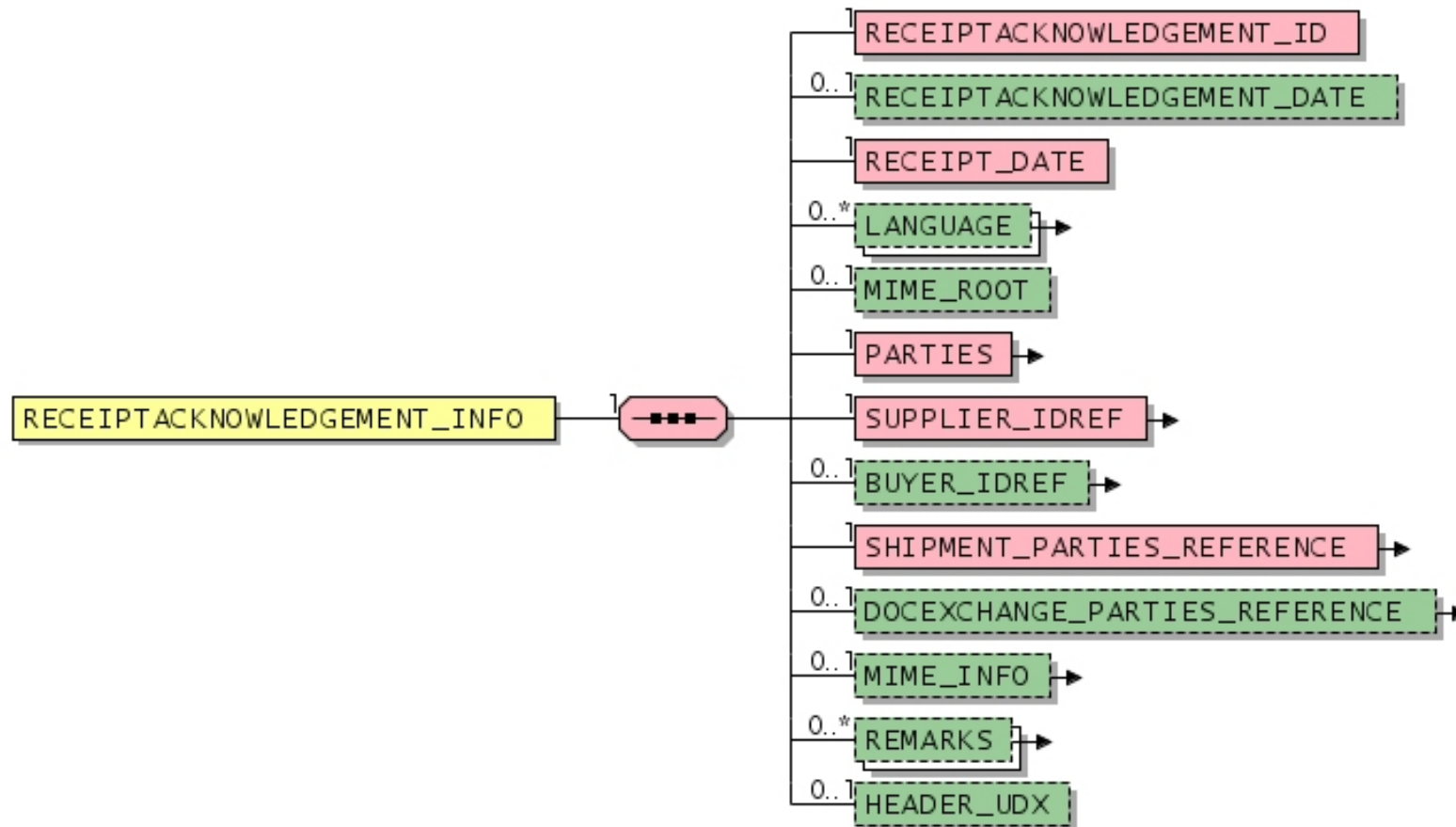
RECEIPTACKNOWLEDGEMENT_INFO

(Dispatch notification information)

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








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





General

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

Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Receipt acknowledgement number	RECEIPTACKNOWLEDGEMENT_ID	Mandatory	Single	Unique receipt acknowledgement number of the buyer.	-	dtSTRING	250	-	2.0
Receipt acknowledgement date	RECEIPTACKNOWLEDGEMENT_DATE	Optional	Single	Dates of the receipt acknowledgement.	-	dtDATETIME	-	-	2.0
Receipt date	RECEIPT_DATE	Mandatory	Single	Dates the commissioned goods are received by the buyer. If the receipt date deviates from the one specified on the header, the delivery date on item level applies.	-	dtDATETIME	-	-	2.0
Language	LANGUAGE - default	Optional	Multiple	Specification of used languages, especially the default language of all language-dependent information <i>namespace: BMECAT</i>	-	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. <i>namespace: BMECAT</i>	-	dtML-STRING	250	Yes	-
Parties	PARTIES	Mandatory	Single	List of parties that are relevant to this business document 	-	-	-	-	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). <i>namespace: BMECAT</i> 	-	dtSTRING	250	-	2005fd
Reference to the buyer	BUYER_IDREF - type	Optional	Single	Reference to the buyer. It contains the unique identifier (PARTY_ID) of the respective party that is defined in the document (PARTY element). <i>namespace: BMECAT</i> 	-	dtSTRING	250	-	2005fd
Shipment parties	SHIPMENT_PARTIES_REFERENCE	Mandatory	Single	Refers to business partners integrated in the process of the goods delivery procedure. 	-	-	-	-	20v3
Document exchange parties	DOCEXCHANGE_PARTIES_REFERENCE	Optional	Single	Reference to the business partners who take part in the document exchange 	-	-	-	-	20v3

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
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	-
User-defined extension	HEADER_UDX	Optional	Single	<p>This element can be used for transferring information in user-defined non-open-TRANS-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.</p> <p></p> <p><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.</p> <p>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>).</p> <p>The definition of user-defined extensions takes place by additional XML DTD or XML Schema files.</p> <p></p> <p>New element</p> <p>Example: usage of the non-openTRANS elements (XML)</p> <pre><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></pre>	-	udxHEA- DER	-	-	20v1

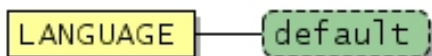
LANGUAGE

(Language) *namespace: BMECAT*

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

Single-lingual 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.
RECEIPTACKNOWLEDGEMENT_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

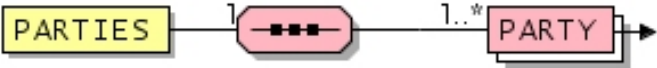
PARTIES

(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.
RECEIPTACKNOWLEDGEMENT_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

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.

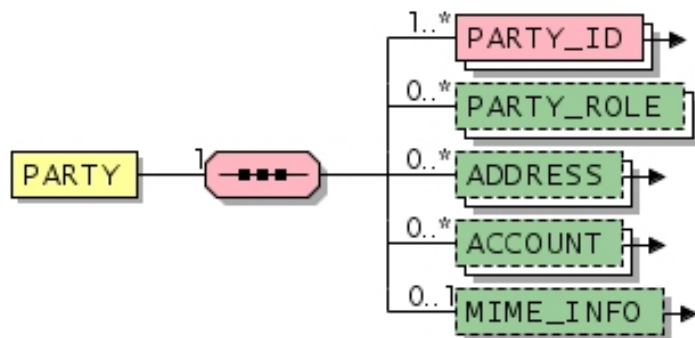


New element

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	l.chg. in ver.
PARTIES	-	-	-	-	21fd




Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.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. <i>namespace: BMECAT</i> 	-	dtSTRING	250	-	2005fd










Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.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	l.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
Transportation party, carrier	deliverer	The business party is the carrier.  New value	20v2

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 operates an IPP application.  New value	2005fd
Manufacturer	manufacturer	The business partner is a manufacturer.  New value	2005fd

Permitted values for element PARTY_ROLE

Designation	Element value	Explanation	I.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

Example

```

<PARTY>
  <bmeecat:PARTY_ID type="supplier_specific">108304</bmeecat:PARTY_ID>
  <PARTY_ROLE>document_creator</PARTY_ROLE>
  <ADDRESS>
    <bmeecat:NAME>Power Supply Corp.</bmeecat:NAME>
    <CONTACT_DETAILS>
      <bmeecat:CONTACT_ID>MA02</bmeecat:CONTACT_ID>
      <bmeecat:CONTACT_NAME>Doe</bmeecat:CONTACT_NAME>
      <bmeecat:FIRST_NAME>John</bmeecat:FIRST_NAME>
      <bmeecat:ACADEMIC_TITLE>Phd</bmeecat:ACADEMIC_TITLE>
    </CONTACT_DETAILS>
    <bmeecat:STATE>Saxony Anhalt</bmeecat:STATE>
    <bmeecat:COUNTRY>Germany</bmeecat:COUNTRY>
    <bmeecat:COUNTRY_CODED>DE</bmeecat:COUNTRY_CODED>
    <bmeecat:PHONE>+49 345 WE SELL</bmeecat:PHONE>
    <bmeecat:FAX>+49 555 77 88 99</bmeecat:FAX>
    <bmeecat:EMAIL>power@supply.com</bmeecat:EMAIL>
    <bmeecat:URL>www.powersupplycorp.com</bmeecat: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>

```

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	l.chg. in ver.
PARTY	-	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 character long up to a maximum of 250 characters.	-

ADDRESS

(Address)

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

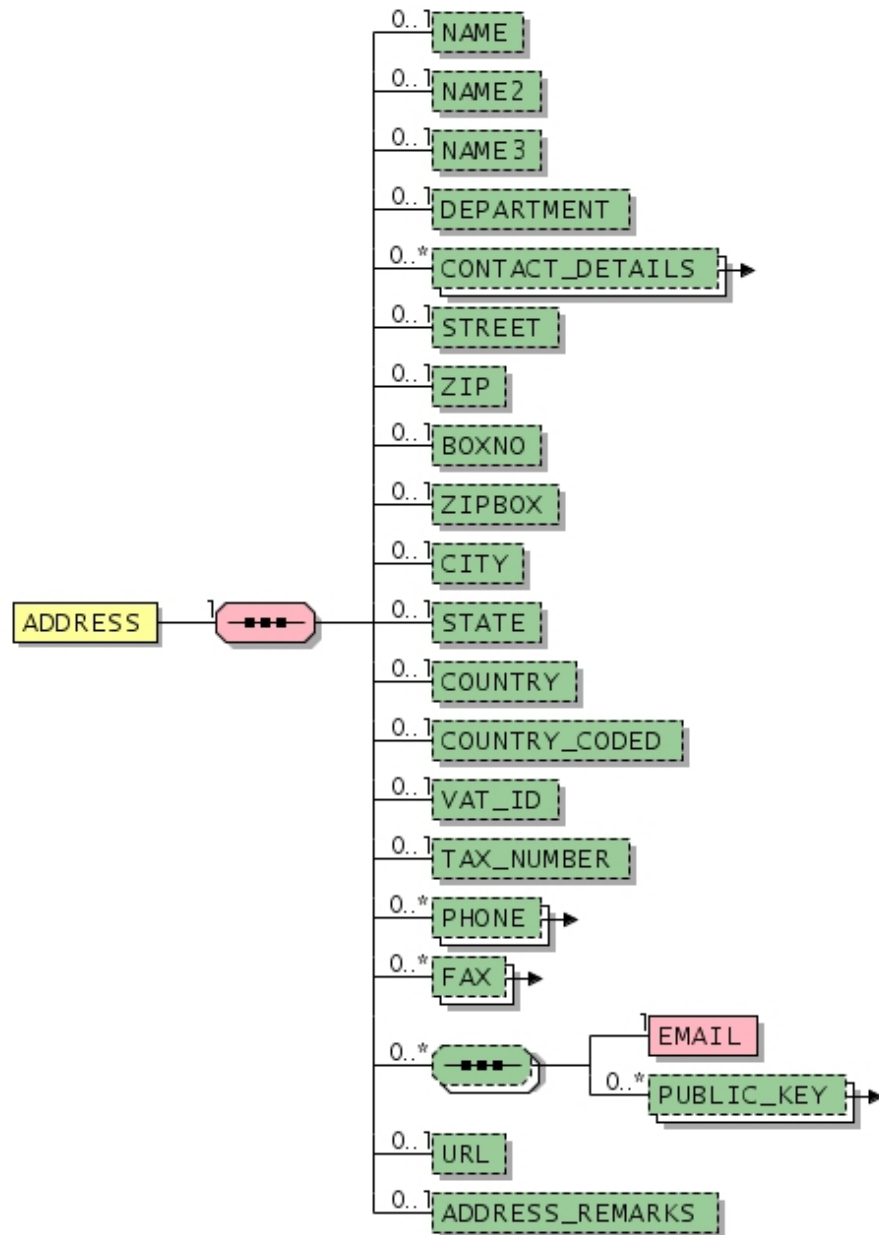


This element has been extended by the following sub-elements: **DEPARTMENT**, **CONTACT_DETAILS**, **VAT_ID**; the sub-element **EMAIL** may occur more than once if the e-mail address comes with an element **PUBLIC_KEY**.

The sub-elements **PHONE** und **FAX** may occur more than once, due to their type-attribute.

The sub-element **CONTACT_DETAILS** was accidentally deleted in the draft version and is now inserted again.



Example adapted.









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 <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Address line 2	NAME2	Optional	Single	additional space for address information <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Address line 3	NAME3	Optional	Single	additional space for address information <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Department	DEPARTMENT	Optional	Single	Department of the organisation <i>namespace: BMECAT</i>  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 <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Zip code	ZIP	Optional	Single	ZIP code of address <i>namespace: BMECAT</i>	-	dtML-STRING	20	Yes	-
P.O. Box	BOXNO	Optional	Single	P.O. box number <i>namespace: BMECAT</i>	-	dtML-STRING	20	Yes	-
Zip code of P.O. Box	ZIPBOX	Optional	Single	ZIP code of P.O. box <i>namespace: BMECAT</i>	-	dtML-STRING	20	Yes	-
Town or city	CITY	Optional	Single	Town or city of the company <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Federal state	STATE	Optional	Single	Federal state, e.g., Michigan <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Country	COUNTRY	Optional	Single	Country, e.g., France <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-

Elements

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

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>

```

CONTACT_DETAILS

(Contact)

This element contains informations about a contact person.

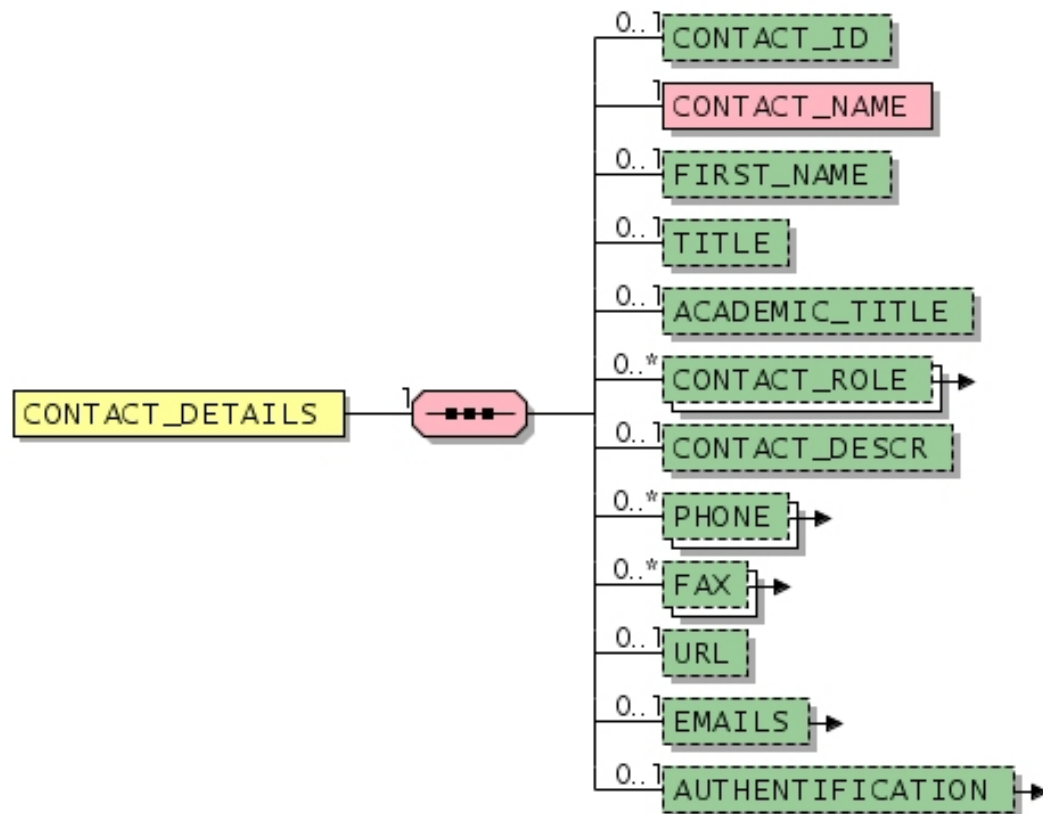


New element

The sub-elements **PHONE** and **FAX** may occur more than once, due to their type-attribute.

AUTHENTICATION was added as sub-element.








Changed sub-element **CONTACT_ID** to optional. Example added.






General

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

Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Contact ID	CONTACT_ID	Optional	Single	Unique ID of the contact person. <i>namespace: BMECAT</i>  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 <i>namespace: BMECAT</i>  New element	-	dtML-STRING	50	Yes	2005fd
First name	FIRST_NAME	Optional	Single	First name of the contact person <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-
Title	TITLE	Optional	Single	Form of address, e.g., Mr., Ms. <i>namespace: BMECAT</i>  New element	-	dtML-STRING	20	Yes	2005fd
Academic title	ACADEMIC_TITLE	Optional	Single	Academic title of the contact person, e.g., Dr. <i>namespace: BMECAT</i>  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 <i>namespace: BMECAT</i>  New element	-	dtML-STRING	250	Yes	2005fd
Phone number	PHONE - type	Optional	Multiple	Phone number including type <i>namespace: BMECAT</i> 	-	dtML-STRING	50	Yes	2005fd
Fax number	FAX - type	Optional	Multiple	Fax number <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Internet address	URL	Optional	Single	URL of the web site, e.g., http://www.bmecat.org <i>namespace: BMECAT</i>  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 <i>namespace: BMECAT</i> 	-	-	-	-	2005fd
Authentication information	AUTHENTICATION	Optional	Single	Authentication information <i>namespace: BMECAT</i> 	-	-	-	-	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>

```

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	I.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	I.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	I.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

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

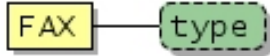
Example

```

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


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

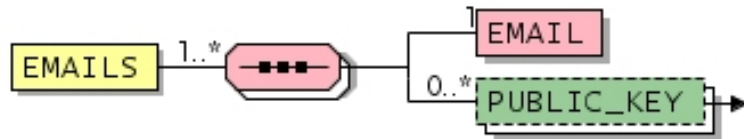
EMAILS

(E-mail addresses) *namespace: BMECAT*

This element contains a list of e-mail addresses.




New element



General

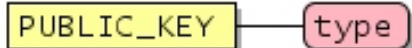
Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
CONTACT_DETAILS	-	-	-	-	2005fd

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 <i>namespace: BMECAT</i>  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 <i>namespace: BMECAT</i>	-	dtSTRING	64000	-	1.2_fd

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

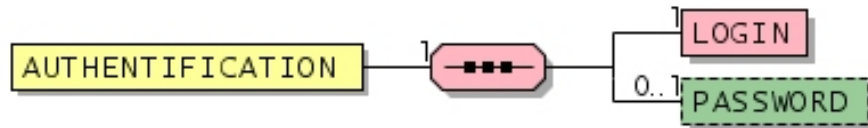
AUTHENTICATION

(Authentication information) *namespace: BMECAT*

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



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.
Login	LOGIN	Mandatory	Single	Login as part of the authentication <i>namespace: BMECAT</i> New element	-	dtSTRING	60	-	2005fd
Password	PASSWORD	Optional	Single	Password for the login. <i>namespace: BMECAT</i> New element	-	dtSTRING	20	-	2005fd

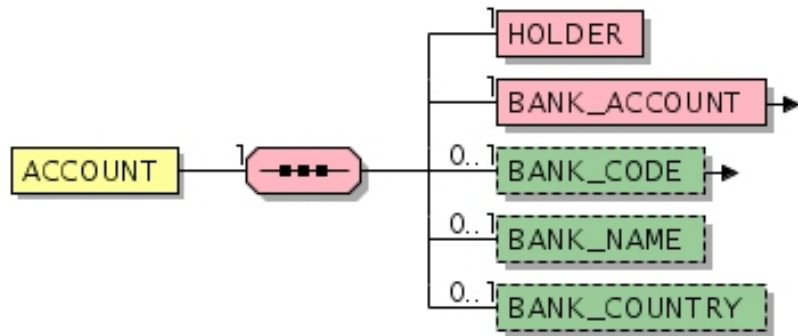
ACCOUNT

(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

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>

```

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	l.chg. in ver.
ACCOUNT	-	dtSTRING	100	-	20fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.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	l.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

Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.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

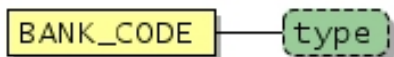
BANK_CODE

(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 character long up to a maximum of 20 characters.	20v2

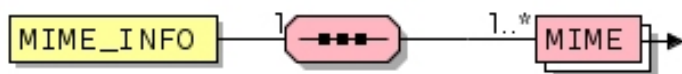
MIME_INFO

(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 on the page describing the element **MIME**.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
AGREEMENT, PARTY, RECEIPTACKNOWLEDGEMENT_INFO, RECEIPTACKNOWLEDGEMENT_ITEM	-	-	-	-	-

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 directly binary-coded in the document via the element MIME_EMBEDDED . 	-	-	-	-	21fd

Example

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

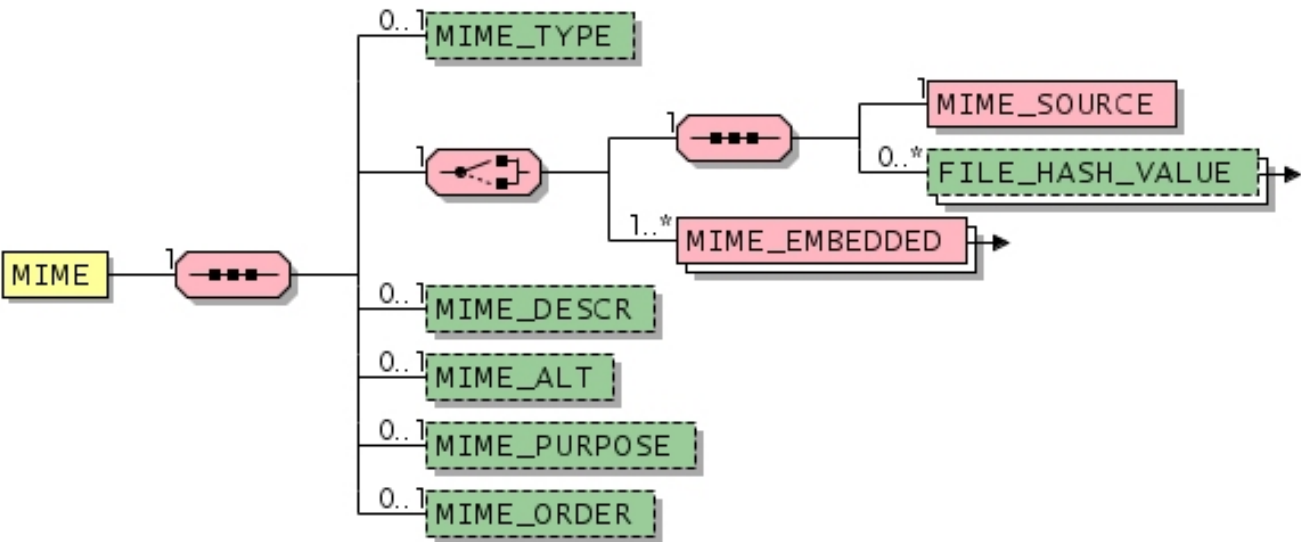
MIME

(Multimedia document)

Information about a multimedia file. The file itself is can be referenced and transferred separately or directly 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

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) <i>namespace: BMECAT</i>  The element is now mandatory. The recipient 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 concatenation). Sub-directories must be separated by means of slashes ("/") (e.g. /public/document/demo.pdf). <i>namespace: BMECAT</i>	-	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. <i>namespace: BMECAT</i>	-	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. <i>namespace: BMECAT</i>  The maximum length has been extended from 50 characters to 80 characters.	-	dtML- STRING	80	Yes	2005fd









Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Purpose	MIME_PURPOSE	Optional	Single	<p>Desired purpose for which the MIME document is to be used in the target system.</p> <p></p> <p>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 achievement 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</p>	-	dtSTRING	20	-	20v3
Order	MIME_ORDER	Optional	Single	<p>Order in which the additional data is to be represented in the target system.</p> <p>When additional documents are listed they should be represented in ascending order (the first document is the one with the lowest number). <i>namespace: BMECAT</i></p>	-	dtINTEGER	-	-	-








Predefined values for element MIME_TYPE

Designation	Element value	Explanation	l.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.	-

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 fulfilment 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

Permitted values for element MIME_PURPOSE

Designation	Element value	Explanation	l.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, achievement 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.	-

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>
    <bmeecat:MIME_TYPE>image/jpeg</bmeecat:MIME_TYPE>
    <bmeecat:MIME_SOURCE>charlie.jpg</bmeecat:MIME_SOURCE>
    <FILE_HASH_VALUE type="sha1">9bae0ce526a7b30275ac0d3bdfe3c90e41def6ed</FILE_HASH_VALUE>
    <bmeecat:MIME_DESCR>Front view of our casual shirt</bmeecat:MIME_DESCR>
    <bmeecat:MIME_ALT>Photo of Charlie</bmeecat:MIME_ALT>
    <MIME_PURPOSE>normal</MIME_PURPOSE>
  </MIME>
  <MIME>
    <bmeecat:MIME_TYPE>application/pdf</bmeecat:MIME_TYPE>
    <bmeecat:MIME_SOURCE>charlie.pdf</bmeecat:MIME_SOURCE>
    <FILE_HASH_VALUE type="sha1">72506ebaf7df4b02e79284ae86684327c908fec6</FILE_HASH_VALUE>
    <bmeecat:MIME_DESCR>Designation of the production process</bmeecat:MIME_DESCR>
    <bmeecat:MIME_ALT>PDF file belonging to Charlie</bmeecat: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>
    <bmeecat:MIME_SOURCE>charlie.jpg</bmeecat:MIME_SOURCE>
    <MIME_EMBEDDED>
      <MIME_DATA contentType="image/jpeg">bnVyIGVpbiBUZXN0bGF1Zg==</MIME_DATA>
    </MIME_EMBEDDED>
    <bmeecat:MIME_DESCR>Front view of our casual shirt</bmeecat:MIME_DESCR>
    <bmeecat:MIME_ALT>Photo of Charlie</bmeecat:MIME_ALT>
    <MIME_PURPOSE>normal</MIME_PURPOSE>
  </MIME>
</MIME_INFO>
```

FILE_HASH_VALUE

(Hash value of a file)

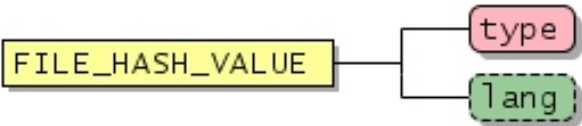
The element contains a hash value to an external referred file. The hash value can be used to check if the file was changed since the last generation of the hash value. Generally hash values serve as input for data comparison tasks.



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	<div>The attribute indicates the used hash-function. In germany the BNetzA or BSI guidelines are fundamental for legal certainty, therefore the used hash-function should match the guidelines.</div> <div>New attribute</div> <div>See also: Predefined values for attribute "type"</div>	-	dtSTRING	50	-	20fd
Language version of the file	lang	Optional	<div>The attribute "lang" indicates the language of the referenced file in MIME_SOURCE.</div> <div>New attribute</div>	-	dtLANG	-	-	20fd

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>
```

MIME_EMBEDDED

(Embedded document)

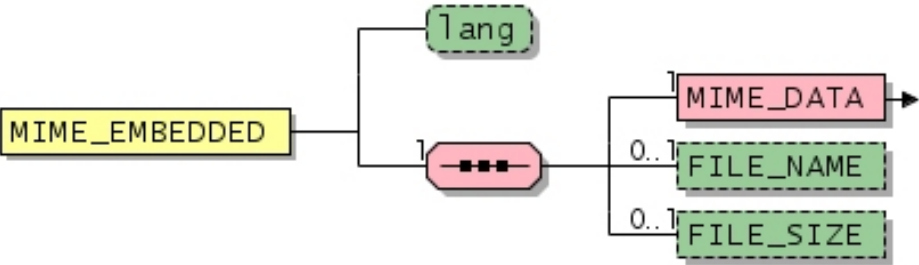
The element consists of a sub-element for the transmission of a file and sub-elements containing additional information (e.g. file name).




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
MIME		-	-	-	20v2
Attributes					
Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type
Language version of the file	lang	Optional	<div>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).</div> <div>New attribute</div>	-	dtLANG
					-
					-
					20v2

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

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


MIME_DATA

contentType

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	<p>The attribute specifies the type of the embedded document according to the common used MIME-Ty-pes 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/).</p> <p> New attribute</p>	-	string	-	-	20v2

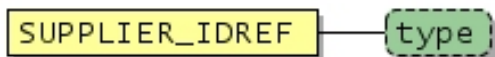
SUPPLIER_IDREF

(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.
AGREEMENT, PRODUCT_ID, RECEIPTACKNOWLEDGEMENT_INFO, RECEIPTACKNOWLEDGEMENT_ITEM	-	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 character long up to a maximum of 250 characters.	-

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.
RECEIPTACKNOWLEDGEMENT_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 character long up to a maximum of 250 characters.	-

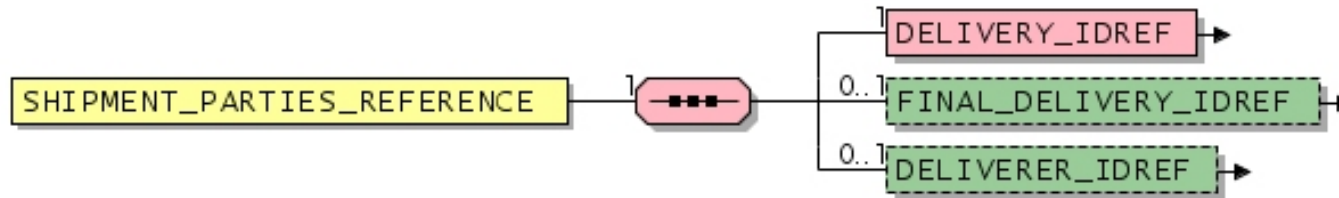
SHIPMENT_PARTIES_REFERENCE

(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	I.chg. in ver.
RECEIPTACKNOWLEDGEMENT_INFO	-	-	-	-	20v3

Elements

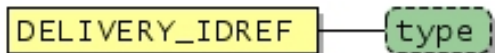
Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to final recipient	DELIVERY_IDREF - type	Mandatory	Single	Reference to the unique identifier of the final recipient (shipping address and contact). The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

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.
DELIVERY_REFERENCE, RECEIPTACKNOWLEDGEMENT_ITEM, 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 character long up to a maximum of 250 characters.	-

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

FINAL_DELIVERY_IDREF — type

General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
RECEIPTACKNOWLEDGEMENT_ITEM, 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 character long up to a maximum of 250 characters.	-

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.	-

DOCEXCHANGE_PARTIES_REFERENCE

(Document exchange parties)

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

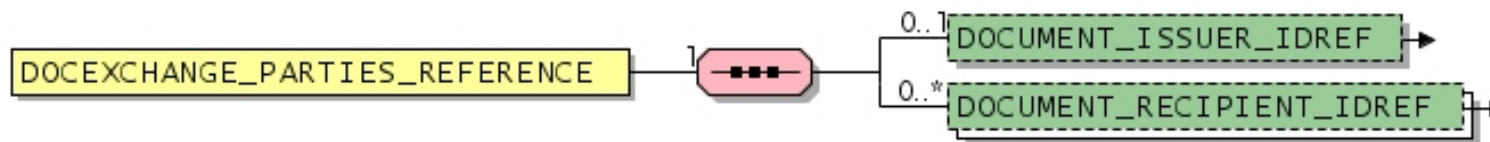
The first case to use this element is when various parties like intermediators, market-places or service providers are involved in parts of the processing (especially in the case of a centralized settlement). The second case is the usage of business documents which appear in different forms where the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

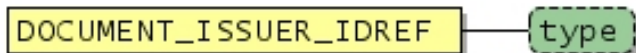
DOCUMENT_ISSUER_IDREF

(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	l.chg. in ver.
DOEXCHANGE_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 character long up to a maximum of 250 characters.	-

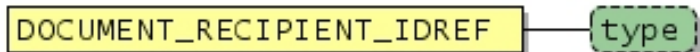
DOCUMENT_RECIPIENT_IDREF

(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.
DOEXCHANGE_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 character long up to a maximum of 250 characters.	-

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).

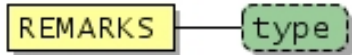
It is permissible to use the element more than once with the same "type" attribute.

Format: The following HTML tags are supported: for bold, <i> for italic, <p> for paragraphs,
 for line break and / 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	l.chg. in ver.
RECEIPTACKNOWLEDGEMENT_INFO, RECEIPTACKNOWLEDGEMENT_ITEM	-	dtML-STRING	64000	Yes	-

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Type of remark	type	Optional	<p>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.</p> <p>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".</p> <p> New attribute</p> <p>See also: Predefined values for attribute "type"</p>	-	dtSTRING	250	-	2005fd

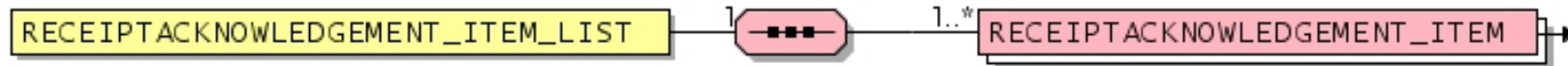
Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.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 character long up to a maximum of 250 characters.	2005fd

RECEIPTACKNOWLEDGEMENT_ITEM_LIST

(Item level)


The element RECEIPTACKNOWLEDGEMENT_ITEM_LIST represents the item level of the receipt acknowledgement. Die RECEIPTACKNOWLEDGEMENT_ITEM_LIST is made up of individual positions of the receipt acknowledgement.



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
RECEIPTACKNOWLEDGEMENT	-	-	-	-	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	RECEIPTACKNOWLEDGEMENT_ITEM	Mandatory	Multiple	The item line contains the receipt acknowledgement information on exactly one item. 	-	-	-	-	20

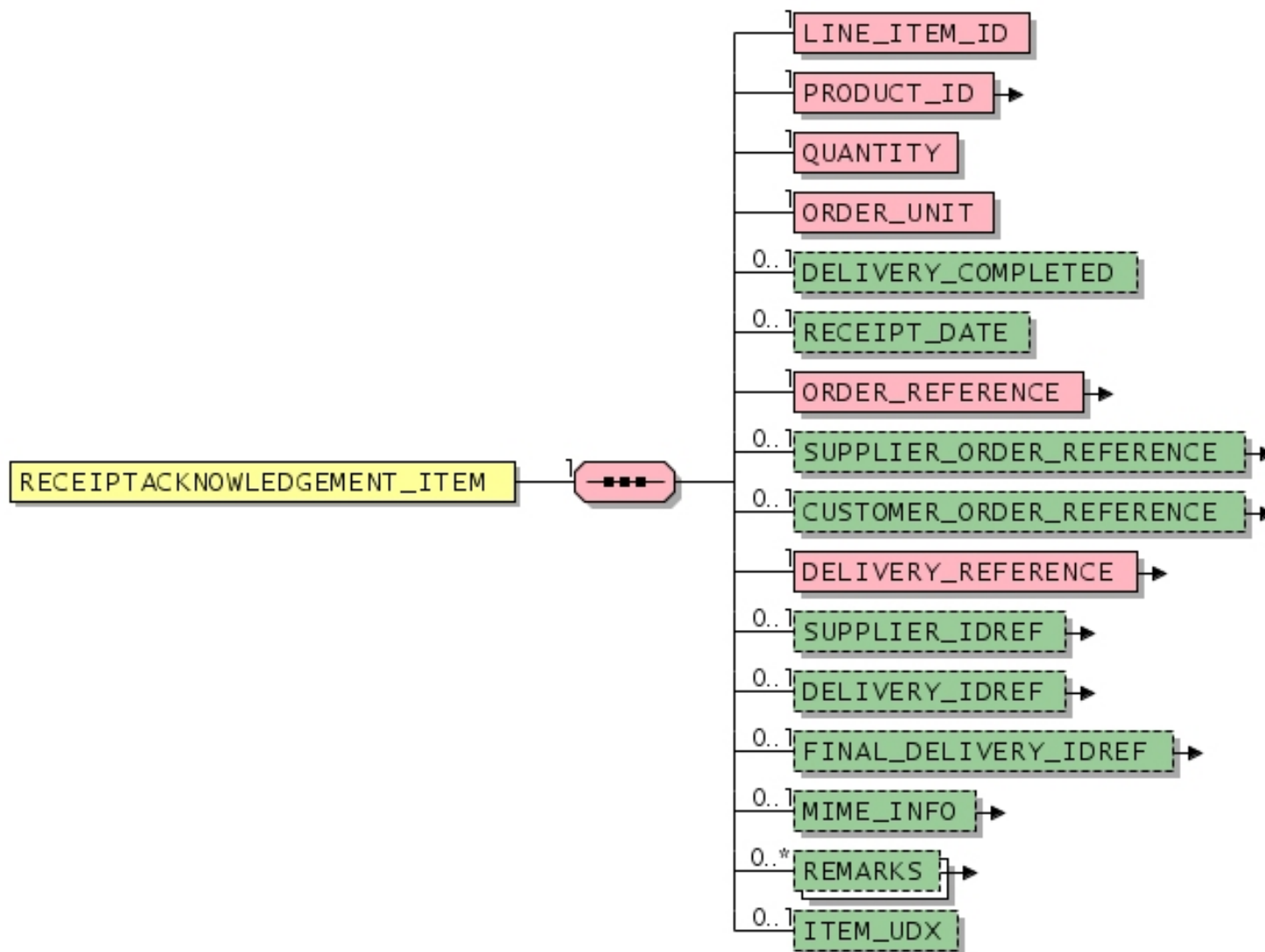
RECEIPTACKNOWLEDGEMENT_ITEM

(Item line)

An item line contains the information on precisely one position of the receipt acknowledgement. Any number of item lines may be used, and at least one must be used.







Sub-elements **PRODUCT_COMPONENTS** and **PRODUCT_FEATURES** superfluous in receiptacknowledgement and therefore deleted.






General

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



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	-	dt STRING	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
Quantity	QUANTITY	Mandatory	Single	Quantity	-	dt NUM-BER	-	-	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" <i>namespace: BMECAT</i>	-	dt PUNIT	-	-	-
Delivery completed	DELIVERY_COMPLETED	Optional	Single	This element contains information on the completion of the delivery. If the element is TRUE, the relevant order item has been delivered in full. In the case of FALSE, at least a part of the order remains to be delivered.	-	dt BOOLEAN	-	-	2.0
Receipt date	RECEIPT_DATE	Optional	Single	Dates the commissioned goods are received by the buyer. If the receipt date deviates from the one specified on the header, the delivery date on item level applies.	-	dt DATETIME	-	-	2.0
Order reference	ORDER_REFERENCE	Mandatory	Single	The element is related to an item and refers to the previous order.	-	-	-	-	2.0
Supplier order reference	SUPPLIER_ORDER_REFERENCE	Optional	Single	Reference information of the supplier on the order to which the item relates.  While the element ORDER_REFERENCE contains information on the order at the buyer's, the element "Supplier order reference" provides information on the order at the supplier's.	-	-	-	-	2.0
Customer order reference	CUSTOMER_ORDER_REFERENCE	Optional	Single	The element is related to an item and refers to the previous order where the item was ordered by the customer (purchasing party) 	-	-	-	-	20v3
Delivery reference	DELIVERY_REFERENCE	Mandatory	Single	Reference information on the delivery to which the reference item relates. 	-	-	-	-	20

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
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). <i>namespace: BMECAT</i> 	-	dtSTRING	250	-	2005fd
Reference to final recipient	DELIVERY_IDREF - type	Optional	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
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	-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
User-defined extension	ITEM_UDX	Optional	Single	<p>This element can be used for transferring information in user-defined non-open-TRANS-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.</p> <p></p> <p><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.</p> <p>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>).</p> <p>The definition of user-defined extensions takes place by additional XML DTD or XML Schema files.</p> <p></p> <p>New element</p> <p>Example: usage of the non-openTRANS elements (XML)</p> <pre> <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> </pre>	-	udxITEM	-	-	20v1

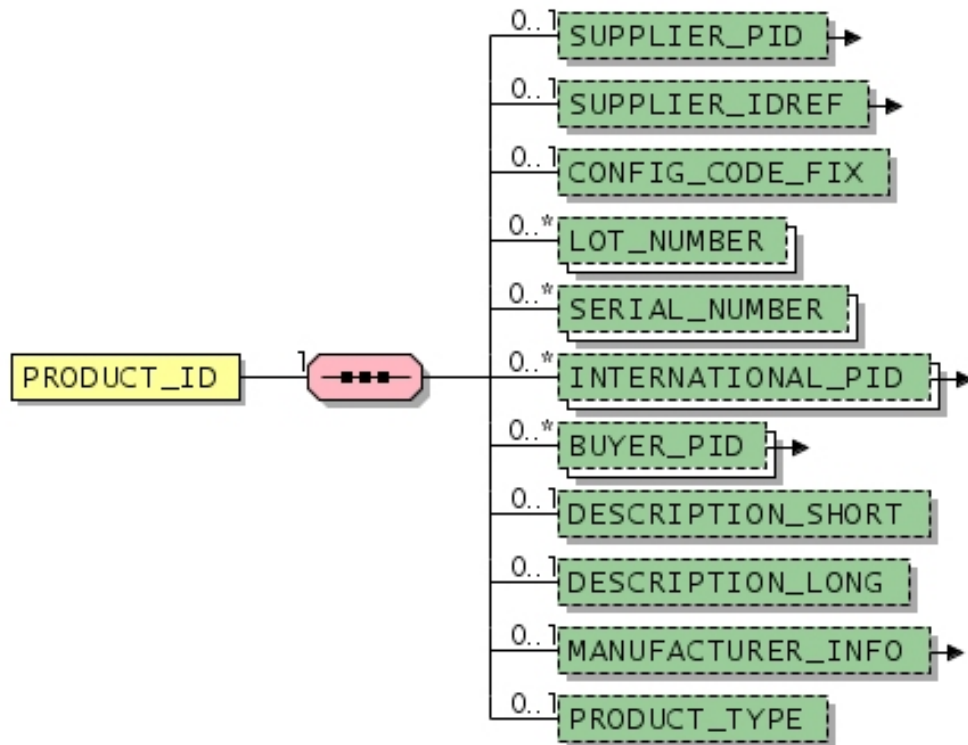
PRODUCT_ID

(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.
RECEIPTACKNOWLEDGEMENT_ITEM	-	-	-	-	21fd



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	<p>???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.</p> <p> 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.</p> <p>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).</p> <p> The (base) product number has to be distinct on its own even when variants or configurations are used.</p> <p>namespace: BMECAT</p> <p></p>	-	dtSTRING	32	-	2005
Reference to supplier	SUPPLIER_IDREF - type	Optional	Single	<p>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</p> <p></p>	-	dtSTRING	250	-	2005fd
Configurationcode	CONFIG_CODE_FIX	Optional	Single	<p>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).</p> <p> New element</p>	-	dtSTRING	6000	-	20v1
lot number	LOT_NUMBER	Optional	Multiple	<p>Unique identifier of the lot where the product is originated.</p> <p> The usage of the term is common, however the lot number is a character sequence and therefore can contain alphanumeric characters.</p> <p> New element</p>	-	dtSTRING	80	-	20v1

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	<p>Unique identifier for a single product (product instance).</p> <p> The term is commonly used, nevertheless a serial number can also consist of alphanumeric characters.</p> <p> New element</p>	-	dtSTRING	80	-	20v1
International product number	INTERNATIONAL_PID - type	Optional	Multiple	<p>Indicates an international product number (e.g., EAN). The underlying standard respectively organisation is given in the 'type' attribute. <i>namespace: BMECAT</i></p> <p></p>	-	dtSTRING	100	-	2005fd
Product ID of the buying company	BUYER_PID - type	Optional	Multiple	<p>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.</p> <p><i>namespace: BMECAT</i></p> <p></p>	-	dtSTRING	50	-	2005fd
Short description	DESCRIPTION_SHORT	Optional	Single	<p>This element contains the short description of the product. In general, the description should be short and, within the first 40 characters, unique and meaningful, because many software systems can only interpret these 40 characters (i.e. SAP-OCI, SAP R/3).</p> <p>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.</p> <p>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).</p> <p><i>namespace: BMECAT</i></p>	-	dtML- STRING	150	Yes	-

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	<p>This element contains the long description of the product.</p> <p>Format: The following HTML tags are supported: for bold, <i> for italic, <p> for paragraphs,
 for line break and / 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).</p> <p>Example: '<' = &lt; or '>' = &gt;</p>  <p>The target system must support the interpretation of the day in order to achieve the desired formatting.</p> <p><i>namespace: BMECAT</i></p>	-	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	<p>Characterizes the product with regard to its general type, i.e. being tangible or service <i>namespace: BMECAT</i></p>  <p>New element See also: Permitted values for element PRODUCT_TYPE</p>	-	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

Permitted values for element PRODUCT_TYPE

Designation	Element value	Explanation	I.chg. in ver.
Professional Service	professional_services	The product is a professional service being provided by one or more individuals. The individuals 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>
  <bmeecat:SUPPLIER_PID>NB-A4</bmeecat:SUPPLIER_PID>
  <bmeecat:DESCRIPTION_SHORT>Notebook, Black</bmeecat:DESCRIPTION_SHORT>
  <bmeecat:DESCRIPTION_LONG>Notebook incl. Einsteinium-CPU, 256 GB RAM and 1024 TB Harddrive</bmeecat:DESCRIPTION_LONG>
</PRODUCT_ID>

```

SUPPLIER_PID

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

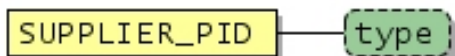
???This element contains the product number issued by the supplier. It is determining for ordering the product; it identifies the product in the supplier catalog. In multi-supplier catalogs, however, only the combination of **SUPPLIER_PID** and **SUPPLIER_IDREF** identifies a product.



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

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

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 character long up to a maximum of 50 characters.	2005fd

BUYER_PID

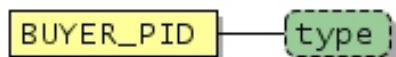
(Product ID of the buying company) *namespace: BMECAT*

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	l.chg. in ver.
PRODUCT_ID	-	dtSTRING	50	-	2005fd

Attributes

Designation	Attribute name	Mandatory/optional	Explanation	Default value	Data type	Field length	Lang. specific	l.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	-	-

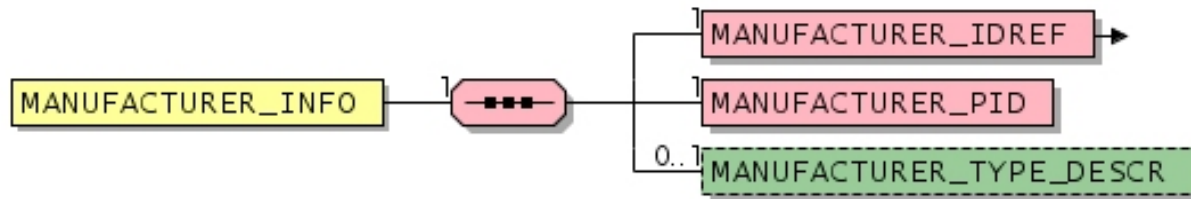
Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.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 character long up to a maximum of 50 characters.	2005fd

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). <i>namespace: BMECAT</i> 	-	dtSTRING	250	-	2005fd
Product ID of the manufacturer	MANUFACTURER_PID	Mandatory	Single	Product ID of the manufacturer <i>namespace: BMECAT</i>  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). <i>namespace: BMECAT</i>	-	dtML-STRING	50	Yes	1.2_fd

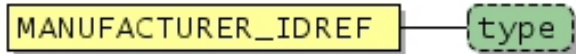
MANUFACTURER_IDREF

(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

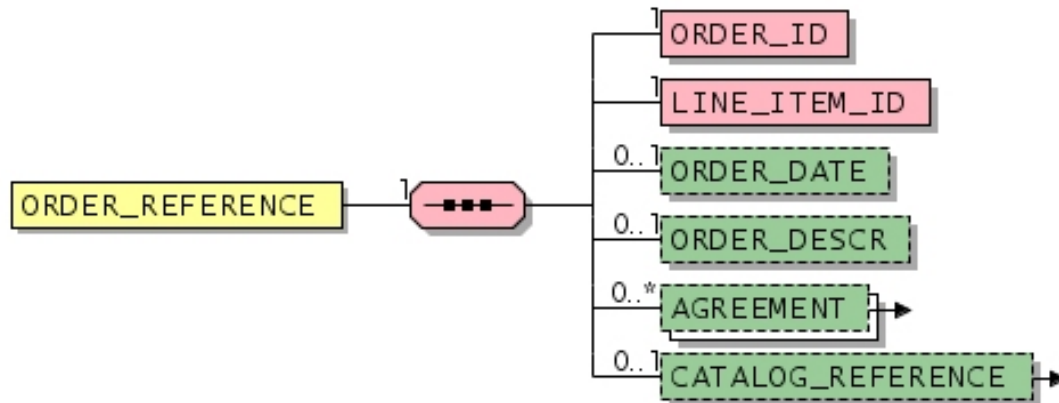
Predefined values for attribute "type"

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 character long up to a maximum of 250 characters.	-

ORDER_REFERENCE

(Order reference)

The ORDER_REFERENCE element summarizes information about acquisition activities on item level which have preceded this invoice.




General

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

Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Auftragsnummer des Einkäufers	ORDER_ID	Mandatory	Single	Unique order number of the buyer	-	dtSTRING	250	-	2.0
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
Order date	ORDER_DATE	Optional	Single	Date of the order	-	dtDATE-TIME	-	-	2.0
Description of the order	ORDER_DESCR	Optional	Single	Textual description of the order <div style="display: flex; align-items: center;"> <div style="border: 1px solid red; padding: 2px; margin-right: 5px;">*</div> New element </div>	-	dtML-STRING	300	Yes	20v1

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to a skeleton agreement	AGREEMENT - type - default	Optional	Multiple	Information on the skeleton agreement which serves as a basis for the validity of the business document 	-	-	-	-	2005fd
Reference to an (electronic) product catalog	CATALOG_REFERENCE	Optional	Single	Order reference to a catalog. This element can also be used as a reference to a price list.	-	-	-	-	2.0

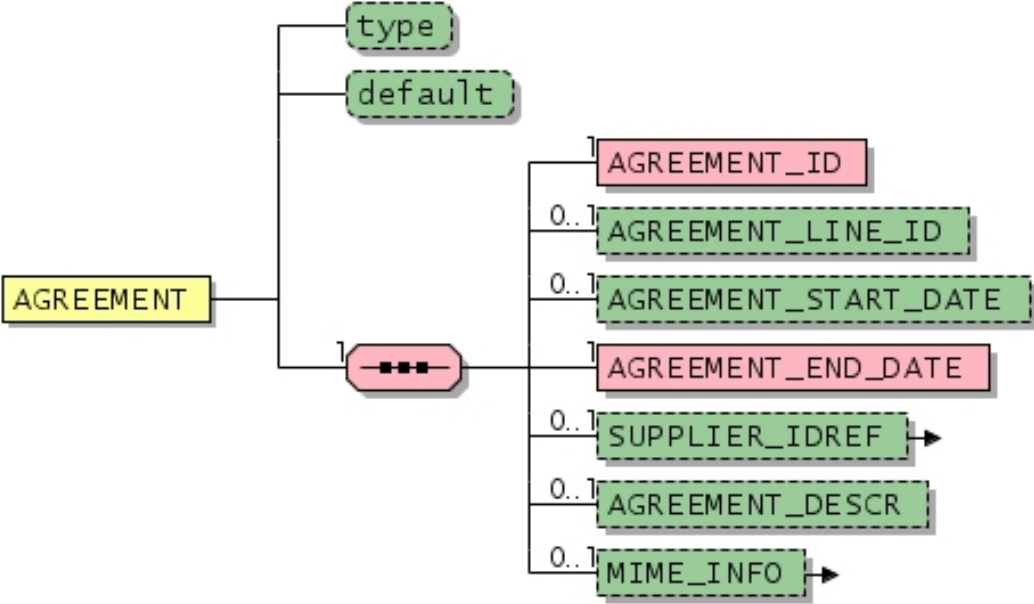
AGREEMENT

(Reference to a skeleton agreement)

This element serves for referring to a skeleton agreement, which is relevant for the business document. Agreements which cannot be transported in the business document itself are regulated in this skeleton agreement.





The element was revised and the following sub-elements were added: **AGREEMENT_LINE_ID**, **AGREEMENT_START_DATE**, **AGREEMENT_END_DATE**, **SUPPLIER_IDREF**, **AGREEMENT_DESCR**, **MIME_INFO**



General

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


Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Agreement type	type	Optional	Owner of the skeleton agreement. If reference is made to skeleton agreements of an intermediary, the element value should point to the intermediary. Some target systems are not in a position to interpret other values than the pre-defined ones.  New attribute See also: Predefined values for attribute "type"	-	dt STRING	50	-	2005fd
Default flag	default	Optional	This attribute marks a standard agreement.  New attribute	-	dt BOO- LEAN	-	-	2005fd





Predefined values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Buyer	buyer	Marking for a buyer's skeleton agreement.	2005fd
Supplier	supplier	Marking for a supplier's skeleton agreement.	2005fd
User defined marking	User defined value, format: \w{1,50}	User defined marking. "\w{1,50}" means that the marking has to be at least 1 character long up to a maximum of 50 characters.	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Skeleton agreement ID	AGREEMENT_ID	Mandatory	Single	Unique identifier of the skeleton agreement. The element can also be used for special agreement information, e.g. special project-related agreements. <i>namespace: BMECAT</i>	-	dt STRING	50	-	-
Line number within the skeleton agreement	AGREEMENT_LINE_ID	Optional	Single	Unique line number within a skeleton agreement. This element allows a unique reference to a line of a skeleton agreement. <i>namespace: BMECAT</i>  New element	-	dt STRING	50	-	2005fd

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Start date of the skeleton agreement	AGREEMENT_START_DATE	Optional	Single	Unique time stamp of the time, when the skeleton agreement begins. <i>namespace: BMECAT</i>  This element replaces with a modified semantics the former DATETIME element and its type='agreement_start_date' attribute.	-	dt DATETIME	-	-	2005fd
End date of the skeleton agreement	AGREEMENT_END_DATE	Mandatory	Single	Unique time stamp for the time when the skeleton agreement ends. <i>namespace: BMECAT</i>  This element replaces with a modified semantics the former DATETIME element and its type='agreement_end_date' attribute.	-	dt DATETIME	-	-	2005fd
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). <i>namespace: BMECAT</i> 	-	dt STRING	250	-	2005fd
Description of the skeleton agreement	AGREEMENT_DESCR	Optional	Single	This element is used to describe the skeleton agreement.  New element	-	dt ML-STRING	250	Yes	2005fd
Additional multimedia information	MIME_INFO	Optional	Single	Information about multimedia files For instance the skeleton agreement of the document could be added.	-	-	-	-	-

Example

```

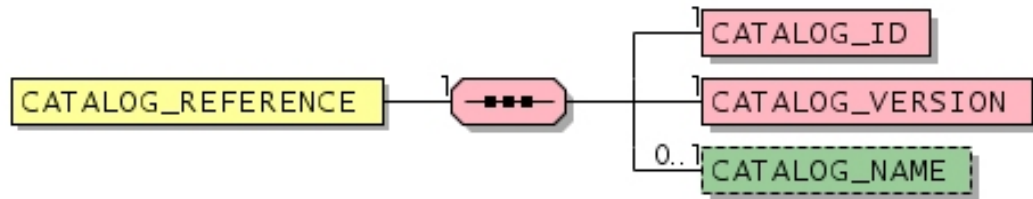
<AGREEMENT type="buyer">
  <bmeecat:AGREEMENT_ID>1003552/2005</bmeecat:AGREEMENT_ID>
  <bmeecat:AGREEMENT_LINE_ID>2</bmeecat:AGREEMENT_LINE_ID>
  <bmeecat:AGREEMENT_START_DATE>2005-01-01</bmeecat:AGREEMENT_START_DATE>
  <bmeecat:AGREEMENT_END_DATE>2005-12-31</bmeecat:AGREEMENT_END_DATE>
  <AGREEMENT_DESC>Office Supplies</AGREEMENT_DESC>
</AGREEMENT>

```

CATALOG_REFERENCE

(Reference to an (electronic) product catalog)

In the CATALOG_REFERENCE element reference is made to an (electronic) product catalog which serves as a quotation for the order. This element can also be used as a reference to a price list.



General

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

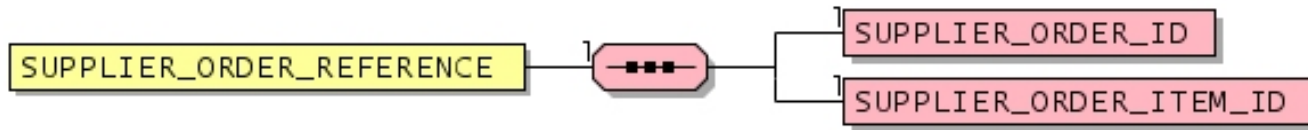
Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Catalog ID	CATALOG_ID	Mandatory	Single	Unique catalog identification. This ID is usually assigned by the supplier when the catalog is generated and remains unchanged throughout the entire lifecycle of the catalog. <i>namespace: BMECAT</i>	-	dtSTRING	20	-	-
Catalog version	CATALOG_VERSION	Mandatory	Single	Version number of the catalog. May only be reset on the target system in conjunction with a T_NEW_CATALOG transaction and not in the case of updates, see also example (Interaction of various transactions). Format: "MajorVersion"."MinorVersion" (maximum xxx.yyy) <i>namespace: BMECAT</i> Example 001.120 7.3	-	dtSTRING	7	-	1.2_fd
Catalog name	CATALOG_NAME	Optional	Single	Any name that describes the catalog. Example: Fall/Winter 2005/2006 <i>namespace: BMECAT</i>	-	dtML-STRING	100	Yes	-

SUPPLIER_ORDER_REFERENCE

(Supplier order reference)

The element SUPPLIER_ORDER_REFERENCE is reserved for information about the order which the supplier uses for the order involved.



General

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

Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Supplier order number	SUPPLIER_ORDER_ID	Mandatory	Single	Unique order number of the supplier	-	dtSTRING	250	-	2.0
Item number of the supplier	SUPPLIER_ORDER_ITEM_ID	Mandatory	Single	Item number in the relevant order of the supplier. The item line of an order is uniquely identified using the item number. In combination with the order number and the buyer the item number represents a unique ID number outside the business process concerned.	-	dtSTRING	50	-	2.0

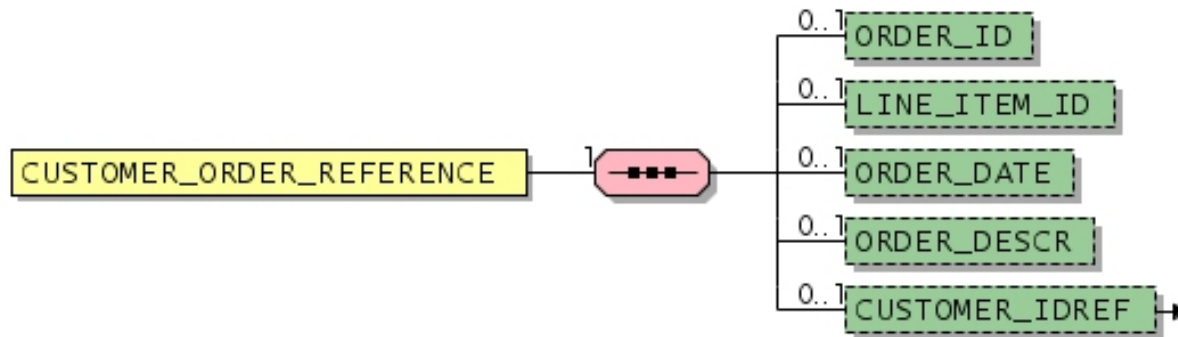
CUSTOMER_ORDER_REFERENCE

(Customer order reference)

The element is related to an item and refers to the previous order where the item was ordered by the customer (purchasing party).



New element




General

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

Elements

Designation	Element name	Mandatory/Optional	Single/Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Auftragsnummer des Einkäufers	ORDER_ID	Optional	Single	Unique order number of the buyer	-	dtSTRING	250	-	2.0
Item number	LINE_ITEM_ID	Optional	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
Order date	ORDER_DATE	Optional	Single	Date of the order	-	dtDATE-TIME	-	-	2.0
Description of the order	ORDER_DESCR	Optional	Single	Textual description of the order New element	-	dtML-STRING	300	Yes	20v1

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to a customer	CUSTOMER_IDREF - type	Optional	Single	Reference to a unique identifier of a customer of the purchasing company. The reference has to refer to a PARTY_ID in the same document 	-	dtSTRING	250	-	20v3

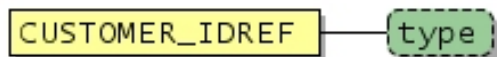
CUSTOMER_IDREF

(Reference to a customer)

Reference to a unique identifier of a customer of the purchasing company. The reference 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.
CUSTOMER_ORDER_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 character long up to a maximum of 250 characters.	-

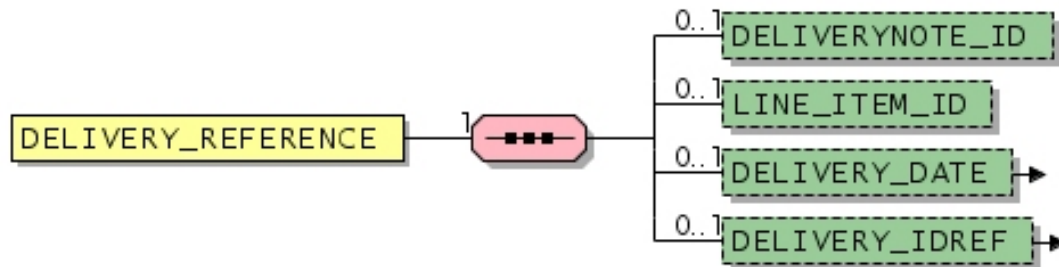
DELIVERY_REFERENCE

(Delivery reference)

The DELIVERY_REFERENCE element summarizes information on the delivery of the article to which the invoice relates. Where the element DELIVERY_REFERENCE is used, at least one of the following elements must be specified.




Changed sub-elements **DELIVERYNOTE_ID** and **LINE_ITEM_ID** to optional because of the multiple usage in the element **DELIVERY_REFERENCE**.




General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Delivery note number	DELIVERYNOTE_ID	Optional	Single	Unique delivery note number	-	dtSTRING	250	-	2.0
Item number	LINE_ITEM_ID	Optional	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
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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to final recipient	DELIVERY_IDREF - type	Optional	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

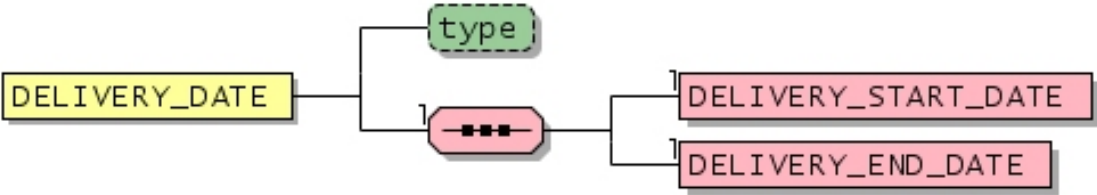
DELIVERY_DATE

(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.
DELIVERY_REFERENCE	-	-	-	-	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.	-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.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.	-	dtDATE TIME	-	-	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.	-	dtDATE TIME	-	-	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>

```

RECEIPTACKNOWLEDGEMENT_SUMMARY

(Summary)

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



General

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

Elements

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

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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: dtDATETIME , 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
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		-

Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
Multilingual string	dtMLSTRING	<p>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 multilingual 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.</p> <p>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.</p> <pre><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></pre>			-
Number	dtNUMBER	<p>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.</p> <p>Right: 15 3.14 -123.456E+10</p> <p>Wrong: 13,20 1.000.000</p>			-
Character string	dtSTRING	<p>Character string according to the encoding standard (see also Chapter: Coding in XML)</p> <p>Example: Screw driver, yellow</p>			-

Enumeration data types

Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
binary coded data	base64Binary	<p>This data type is used to transport a encoded file in openTRANS-XML-files. The file is not referred 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/.</p> <p> New data type</p>	<p>Describing Media Content of Binary Data in XML - W3C Working Group Note 4 May 2005 http://www.w3.org/TR/xml-media-types/</p>		20v3
Country codes	dtCOUNTRIES	<p>Country codes to indicate areas of availability (TERRITORY).</p> <p>The country subdivision codes can be used to subdivide country codes further, for example into regions.</p> <p>Examples: DE (Germany); US (USA) DE-NW (North-Rhine Westphalia in Germany) DK-025 (Roskilde Administrative District in Denmark)</p>	<p>ISO 3166-1 Country codes http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm</p>	6 characters	-
Language codes	dtLANG	<p>Language codes to indicate the language used in texts or pictures</p> <p>Example: deu (German)</p>	<p>ISO 639-2:1998 Language code [ISO-639-2:1998] http://www.loc.gov/standards/iso639-2/php/code_list.php</p>	3 characters	-
Package unit codes	dtPUNIT	<p>Package unit codes: this list contains the permitted package units</p> <p>Example: C62 (piece)</p>	<p>UN/ECE Recommendation 20 / Package Units http://www.unece.org/cefact/recommendations/rec_index.htm</p> <p> 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.</p>	maximal 3 characters	1.2_fd

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.			-

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 .
AGREEMENT	The element was revised and the following sub-elements were added: AGREEMENT_LINE_ID , AGREEMENT_START_DATE , AGREEMENT_END_DATE , SUPPLIER_IDREF , AGREEMENT_DESCR , MIME_INFO
AGREEMENT -->default	New attribute
AGREEMENT -->type	New attribute
AGREEMENT_DESCR	New element
AGREEMENT_END_DATE	This element replaces with a modified semantics the former DATETIME element and its type='agreement_end_date' attribute.
AGREEMENT_LINE_ID	New element
AGREEMENT_START_DATE	This element replaces with a modified semantics the former DATETIME element and its type='agreement_start_date' attribute.
AUTHENTICATION	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.
CONTACT_DESCR	New element
CONTACT_DETAILS	New element
CONTACT_ID	New element
CONTACT_NAME	New element
CONTACT_ROLE	New element
COUNTRY_CODED	New element
DEPARTMENT	New element
EMAIL	The maximum length has been extended from 100 characters to 250 characters.
EMAILS	New element
FAX -->type	New attribute
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.
LANGUAGE -->default	New attribute

Change	Description of changes
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
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
PARTIES	New element
PARTY	New element
PARTY_ID	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
PRODUCT_TYPE	New element
REMARKS -->type	New attribute
SUPPLIER_IDREF	This new element together with the PARTY replaces the SUPPLIER element.
SUPPLIER_PID	This new element replaces the SUPPLIER_AID element.

Change	Description of changes
TITLE	New element
URL	The maximum length has been extended from 100 characters to 250 characters.
VAT_ID	New element
dtCOUNT	New data type
dtDATETIME	This new data type replaces the following types: dtDATETIME , dtTIMETYPE and dtTIMEZONETYPE

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.
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.
SUPPLIER_PID	The type-attribute was added to this element.

History of changes Version 20v1

Change	Description of changes
CONFIG_CODE_FIX	New element
HEADER_UDX	New element
ITEM_UDX	New element
LOT_NUMBER	New element
ORDER_DESCR	New element
SERIAL_NUMBER	New element

History of changes Version 20v2

Change	Description of changes
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
MIME_DATA	New element
MIME_DATA -->contentType	New attribute
MIME_EMBEDDED	New element
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 achievement 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

Change	Description of changes
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

History of changes Version 20v3

Change	Description of changes
CONTACT_DETAILS	AUTHENTICATION 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).
CUSTOMER_IDREF	New element
CUSTOMER_ORDER_REFERENCE	New element
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
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

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

History of changes Version 20

Change	Description of changes
ADDRESS	The sub-element CONTACT_DETAILS was accidentally deleted in the draft version and is now inserted again.
DELIVERY_REFERENCE	Changed sub-elements DELIVERYNOTE_ID and LINE_ITEM_ID to optional because of the multiple usage in the element DELIVERY_REFERENCE .
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
RECEIPTACKNOWLEDGEMENT_INFO	For process improvement reasons the sorting of the elements has been changed.
RECEIPTACKNOWLEDGEMENT_ITEM	Sub-elements PRODUCT_COMPONENTS and PRODUCT_FEATURES superfluous in receiptacknowledgement and therefore deleted.

History of changes Version 21fd

Change	Description of changes
ACCOUNT	Example added.
ADDRESS	Example adapted.
CONTACT_DETAILS	Changed sub-element CONTACT_ID to optional. Example added.
DELIVERY_DATE	Example added.
FILE_HASH_VALUE	A list of available values was added. Example added.
MIME	Examples adapted.
MIME_TYPE	The element is now mandatory. The recipient can now better process the incoming data since the format is always known.
PARTY	Example added.
PARTY_ROLE	The list of pre-defined values has been extended with 'TrustedThirdParty'.
PARTY_ROLE =trustedthirdparty	New value
PRODUCT_ID	Example added.

Overview of elements - order by appearance

Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	RECEIPTACKNOWLEDGEMENT	-	-	-	-	2.0
1	SEQUENCE	-	-	-	-	-
1	RECEIPTACKNOWLEDGEMENT_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	RECEIPTACKNOWLEDGEMENT_INFO	-	-	-	-	20
1	SEQUENCE	-	-	-	-	-
1	RECEIPTACKNOWLEDGEMENT_ID	-	dtSTRING	250	-	2.0
0..1	RECEIPTACKNOWLEDGEMENT_DATE	-	dtDATETIME	-	-	2005fd
1	RECEIPT_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
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	AUTHENTICATION	-	-	-	-	2005fd

Amount	Element name	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
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
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	SUPPLIER_IDREF	-	dtSTRING	250	-	2005fd
0..1	BUYER_IDREF	-	dtSTRING	250	-	2005fd

Amount	Element name					Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1						-	-	-	-	20v3
1						-	-	-	-	-
1						-	dtSTRING	250	-	20v2
0..1						-	dtSTRING	250	-	20v2
0..1						-	dtSTRING	250	-	20v2
0..1						-	-	-	-	20v3
1						-	-	-	-	-
0..1						-	dtSTRING	250	-	20v3
0..*						-	dtSTRING	250	-	20v3
0..1						-	-	-	-	-
1						-	-	-	-	-
1..*						-	-	-	-	21fd
1						-	-	-	-	-
0..1						-	dtSTRING	30	-	21fd
1						-	-	-	-	-
1						-	-	-	-	-
1..1						-	dtMLSTRING	255	Yes	-
0..*						-	dtSTRING	100	-	21fd
1..*						-	-	-	-	20v2
1						-	-	-	-	-
1						-	base64Binary	-	-	20v3
0..1						-	dtSTRING	250	-	20v2
0..1						-	dtCOUNT	-	-	20v2
0..1						-	dtMLSTRING	250	Yes	-
0..1						-	dtMLSTRING	80	Yes	2005fd
0..1						-	dtSTRING	20	-	20v3
0..1						-	dtINTEGER	-	-	-
0..*						-	dtMLSTRING	64000	Yes	-
0..1						-	udxHEADER	-	-	20v1
1						-	-	-	-	2.0
1						-	-	-	-	-
1..*						-	-	-	-	20
1						-	-	-	-	-
1						-	dtSTRING	50	-	2.0
1						-	-	-	-	21fd
1						-	-	-	-	-
0..1						-	dtSTRING	32	-	2005
0..1						-	dtSTRING	250	-	2005fd
0..1						-	dtSTRING	6000	-	20v1
0..*						-	dtSTRING	80	-	20v1
0..*						-	dtSTRING	80	-	20v1
0..*						-	dtSTRING	100	-	2005fd
0..*						-	dtSTRING	50	-	2005fd
0..1						-	dtMLSTRING	150	Yes	-
0..1						-	dtMLSTRING	64000	Yes	1.2_fd
0..1						-	-	-	-	2.0_fd
1						-	-	-	-	-

Amount	Element name										Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1											-	dtSTRING	250	-	2005fd
1											-	dtSTRING	50	-	2005fd
0..1											-	dtMLSTRING	50	Yes	1.2_fd
0..1											-	dtSTRING	50	-	2005fd
1											-	dtNUMBER	-	-	2.0
1											-	dtPUNIT	-	-	1.2_fd
0..1											-	dtBOOLEAN	-	-	2.0
0..1											-	dtDATETIME	-	-	2005fd
1											-	-	-	-	2.0
1											-	-	-	-	-
1											-	dtSTRING	250	-	2.0
1											-	dtSTRING	50	-	2.0
0..1											-	dtDATETIME	-	-	2005fd
0..1											-	dtMLSTRING	300	Yes	20v1
0..*											-	-	-	-	2005fd
1											-	-	-	-	-
1											-	dtSTRING	50	-	-
0..1											-	dtSTRING	50	-	2005fd
0..1											-	dtDATETIME	-	-	2005fd
1											-	dtDATETIME	-	-	2005fd
0..1											-	dtSTRING	250	-	2005fd
0..1											-	dtMLSTRING	250	Yes	2005fd
0..1											-	-	-	-	-
1											-	-	-	-	-
1..*											-	-	-	-	21fd
1											-	-	-	-	-
0..1											-	dtSTRING	30	-	21fd
1											-	-	-	-	-
1											-	-	-	-	-
1..1											-	dtMLSTRING	255	Yes	-
0..*											-	dtSTRING	100	-	21fd
1..*											-	-	-	-	20v2
1											-	-	-	-	-
1											-	base64Binary	-	-	20v3
0..1											-	dtSTRING	250	-	20v2
0..1											-	dtCOUNT	-	-	20v2
0..1											-	dtMLSTRING	250	Yes	-
0..1											-	dtMLSTRING	80	Yes	2005fd
0..1											-	dtSTRING	20	-	20v3
0..1											-	dtINTEGER	-	-	-
0..1											-	-	-	-	2.0
1											-	-	-	-	-
1											-	dtSTRING	20	-	-
1											-	dtSTRING	7	-	1.2_fd
0..1											-	dtMLSTRING	100	Yes	-
0..1											-	-	-	-	2.0
1											-	-	-	-	-

Amount	Element name										Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1											-	dtSTRING	250	-	2.0
1											-	dtSTRING	50	-	2.0
0..1											-	-	-	-	20v3
1											-	-	-	-	-
0..1											-	dtSTRING	250	-	2.0
0..1											-	dtSTRING	50	-	2.0
0..1											-	dtDATETIME	-	-	2005fd
0..1											-	dtMLSTRING	300	Yes	20v1
0..1											-	dtSTRING	250	-	20v3
1											-	-	-	-	20
1											-	-	-	-	-
0..1											-	dtSTRING	250	-	2.0
0..1											-	dtSTRING	50	-	2.0
0..1											-	-	-	-	21fd
1											-	-	-	-	-
1											-	dtDATETIME	-	-	2005fd
1											-	dtDATETIME	-	-	2005fd
0..1											-	dtSTRING	250	-	20v2
0..1											-	dtSTRING	250	-	2005fd
0..1											-	dtSTRING	250	-	20v2
0..1											-	dtSTRING	250	-	20v2
0..1											-	-	-	-	-
1											-	-	-	-	-
1..*											-	-	-	-	21fd
1											-	-	-	-	-
0..1											-	dtSTRING	30	-	21fd
1											-	-	-	-	-
1											-	-	-	-	-
1..1											-	dtMLSTRING	255	Yes	-
0..*											-	dtSTRING	100	-	21fd
1..*											-	-	-	-	20v2
1											-	-	-	-	-
1											-	base64Binary	-	-	20v3
0..1											-	dtSTRING	250	-	20v2
0..1											-	dtCOUNT	-	-	20v2
0..1											-	dtMLSTRING	250	Yes	-
0..1											-	dtMLSTRING	80	Yes	2005fd
0..1											-	dtSTRING	20	-	20v3
0..1											-	dtINTEGER	-	-	-
0..*											-	dtMLSTRING	64000	Yes	-
0..1											-	udxITEM	-	-	20v1
1											-	-	-	-	2.0
1											-	-	-	-	-
1											-	dtCOUNT	-	-	2005fd

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	-
AGREEMENT	-	-	-	-	2005fd
AGREEMENT_DESCR	-	dtMLSTRING	250	Yes	2005fd
AGREEMENT_END_DATE	-	dtDATETIME	-	-	2005fd
AGREEMENT_ID	-	dtSTRING	50	-	-
AGREEMENT_LINE_ID	-	dtSTRING	50	-	2005fd
AGREEMENT_START_DATE	-	dtDATETIME	-	-	2005fd
AUTHENTICATION	-	-	-	-	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
BUYER_PID	-	dtSTRING	50	-	2005fd
CATALOG_ID	-	dtSTRING	20	-	-
CATALOG_NAME	-	dtMLSTRING	100	Yes	-
CATALOG_REFERENCE	-	-	-	-	2.0
CATALOG_VERSION	-	dtSTRING	7	-	1.2_fd
CITY	-	dtMLSTRING	50	Yes	-
CONFIG_CODE_FIX	-	dtSTRING	6000	-	20v1
CONTACT_DESCR	-	dtMLSTRING	250	Yes	2005fd

Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
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
CUSTOMER_IDREF	-	dtSTRING	250	-	20v3
CUSTOMER_ORDER_REFERENCE	-	-	-	-	20v3
DELIVERER_IDREF	-	dtSTRING	250	-	20v2
DELIVERYNOTE_ID	-	dtSTRING	250	-	2.0
DELIVERY_COMPLETED	-	dtBOOLEAN	-	-	2.0
DELIVERY_DATE	-	-	-	-	21fd
DELIVERY_END_DATE	-	dtDATETIME	-	-	2.0
DELIVERY_IDREF	-	dtSTRING	250	-	20v2
DELIVERY_REFERENCE	-	-	-	-	20
DELIVERY_START_DATE	-	dtDATETIME	-	-	2.0
DEPARTMENT	-	dtMLSTRING	50	Yes	2005fd
DESCRIPTION_LONG	-	dtMLSTRING	64000	Yes	1.2_fd
DESCRIPTION_SHORT	-	dtMLSTRING	150	Yes	-
DOEXCHANGE_PARTIES_REFERENCE	-	-	-	-	20v3
DOCUMENT_ISSUER_IDREF	-	dtSTRING	250	-	20v3
DOCUMENT_RECIPIENT_IDREF	-	dtSTRING	250	-	20v3
EMAIL	-	dtSTRING	255	-	2005fd
EMAILS	-	-	-	-	2005fd
FAX	-	dtMLSTRING	50	Yes	-

Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
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	-
GENERATION_DATE	-	dtDATETIME	-	-	2.0_fd
GENERATOR_INFO	-	dtSTRING	250	-	-
HEADER_UDX	-	udxHEADER	-	-	20v1
HOLDER	-	dtSTRING	50	-	2.0
INTERNATIONAL_PID	-	dtSTRING	100	-	2005fd
ITEM_UDX	-	udxITEM	-	-	20v1
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	-	-	-

Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
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	-
ORDER_DATE	-	dtDATETIME	-	-	2.0
ORDER_DESCR	-	dtMLSTRING	300	Yes	20v1
ORDER_ID	-	dtSTRING	250	-	2.0
ORDER_REFERENCE	-	-	-	-	2.0
ORDER_UNIT	-	dtPUNIT	-	-	-
PARTIES	-	-	-	-	2005fd
PARTY	-	-	-	-	21fd
PARTY_ID	-	dtSTRING	250	-	2005fd
PARTY_ROLE	-	dtSTRING	20	-	21fd
PASSWORD	-	dtSTRING	20	-	2005fd
PHONE	-	dtMLSTRING	50	Yes	2005fd
PRODUCT_ID	-	-	-	-	21fd
PRODUCT_TYPE	-	dtSTRING	50	-	2005fd
PUBLIC_KEY	-	dtSTRING	64000	-	1.2_fd
QUANTITY	-	dtNUMBER	-	-	2.0
RECEIPTACKNOWLEDGEMENT	-	-	-	-	2.0
RECEIPTACKNOWLEDGEMENT_DATE	-	dtDATETIME	-	-	2.0
RECEIPTACKNOWLEDGEMENT_HEADER	-	-	-	-	2.0
RECEIPTACKNOWLEDGEMENT_ID	-	dtSTRING	250	-	2.0

Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
RECEIPTACKNOWLEDGEMENT_INFO	-	-	-	-	20
RECEIPTACKNOWLEDGEMENT_ITEM	-	-	-	-	20
RECEIPTACKNOWLEDGEMENT_ITEM_LIST	-	-	-	-	2.0
RECEIPTACKNOWLEDGEMENT_SUMMARY	-	-	-	-	2.0
RECEIPT_DATE	-	dtDATETIME	-	-	2.0
REMARKS	-	dtMLSTRING	64000	Yes	-
SERIAL_NUMBER	-	dtSTRING	80	-	20v1
SHIPMENT_PARTIES_REFERENCE	-	-	-	-	20v3
STATE	-	dtMLSTRING	50	Yes	-
STOP_AUTOMATIC_PROCESSING	-	dtSTRING	250	-	2.0_fd
STREET	-	dtMLSTRING	50	Yes	-
SUPPLIER_IDREF	-	dtSTRING	250	-	2005fd
SUPPLIER_ORDER_ID	-	dtSTRING	250	-	2.0
SUPPLIER_ORDER_ITEM_ID	-	dtSTRING	50	-	2.0
SUPPLIER_ORDER_REFERENCE	-	-	-	-	2.0
SUPPLIER_PID	-	dtSTRING	32	-	2005
TAX_NUMBER	-	dtSTRING	50	-	20v2
TITLE	-	dtMLSTRING	20	Yes	2005fd
TOTAL_ITEM_NUM	-	dtCOUNT	-	-	2.0
URL	-	dtSTRING	255	-	2005fd
VAT_ID	-	dtSTRING	50	-	2005fd
ZIP	-	dtMLSTRING	20	Yes	-
ZIPBOX	-	dtMLSTRING	20	Yes	-