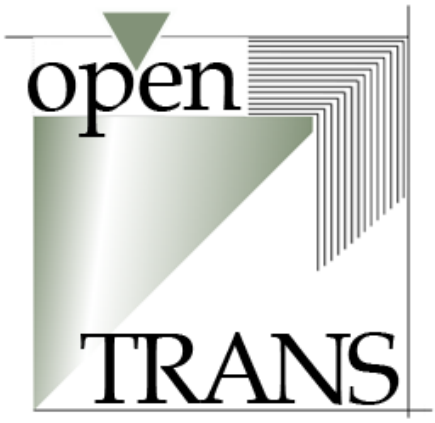

openTRANS® Version 2.1

02.10.2009

REMITTANCEADVICE

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Firms and individuals involved in the development of openTRANS®

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

- Mr. Gerd Puf, Adulo GmbH
- Mr. Reinhard Nachtsheim, AlphaPlus Trusted Services GmbH
- Mr. Ralph Höppner, businessMart AG
- Mr. Stefan Schäufele, businessMart AG
- Mr. Michael Deckert, BDS GmbH
- Mr. Thomas Kuckartz, Cantor Software GmbH
- Mr. Marc Linker, Cantor Software GmbH
- Mr. Dieter Laukemann - DATEV eG
- Mr. Asmus Hammer, eBanking Services Nord GmbH
- Mr. Thomas Renner, Fraunhofer IAO
- Mr. Nico Weiner, Fraunhofer IAO
- Mr. Oliver Kindermann, Inoutic/Deceunick GmbH
- Mr. Jörg Glaser, ServiCon Service & Consult EG
- Mr. Helmut Halter, VBH Deutschland GmbH
- Mr. Herbert Sauermann, VBH Deutschland GmbH
- Mr. Donald Müller-Judex, XimantiX GmbH
- Dr. Jörg-Ulrich Wölfel, XimantiX GmbH
- Dr. Oliver Kelkar, MHP mbH

Table of Contents

1 Introduction . . . 6
1.1 Overview . . . 6
1.2 Use of XML . . . 6
1.3 Supplementary activities and standards . . . 6
1.4 Implementation support . . . 6
1.5 Website www.opentrans.org . . . 6
2 Specification . . . 7
2.1 Terminology . . . 7
2.2 Structure of the specification . . . 7
2.3 Description of elements . . . 7
2.4 Must- and Can-fields . . . 9
2.5 Data types . . . 10
2.6 Coding in XML . . . 11
2.7 History of openTRANS versions . . . 11
3 Dataexchange with openTRANS 2.x . . . 11
3.1 document structure . . . 11
3.1.1 Header-Level . . . 11
3.1.2 Item-Level . . . 11
3.1.3 Summary . . . 11
3.2 Multilingual documents . . . 12
3.3 Changes in openTRANS 2.0 . . . 12
3.4 Changes in openTRANS® 2.1 . . . 12
3.5 Downward compatibility zu openTRANS 1.0 . . . 12
3.6 Compatibility with BMEcat® . . . 12
Reference of elements . . . 13
REMITTANCEADVICE . . . 14
REMITTANCEADVICE_HEADER . . . 16
CONTROL_INFO . . . 17
REMITTANCEADVICE_INFO . . . 18
LANGUAGE . . . 24
PARTIES . . . 25
PARTY . . . 26
PARTY_ID . . . 31
ADDRESS . . . 32
CONTACT_DETAILS . . . 37
CONTACT_ROLE . . . 40
PHONE . . . 41
FAX . . . 42
EMAILS . . . 43
PUBLIC_KEY . . . 44
AUTHENTIFICATION . . . 45
ACCOUNT . . . 46
BANK_ACCOUNT . . . 48
BANK_CODE . . . 50
MIME_INFO . . . 51
MIME . . . 53
FILE_HASH_VALUE . . . 59
MIME_EMBEDDED . . . 61
MIME_DATA . . . 63

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PAYER_IDREF . . . 64
REMITTEE_IDREF . . . 65
INVOICE_ISSUER_IDREF . . . 66
INVOICE_RECIPIENT_IDREF . . . 68
DOCEXCHANGE_PARTIES_REFERENCE . . . 70
DOCUMENT_ISSUER_IDREF . . . 71
DOCUMENT_RECIPIENT_IDREF . . . 72
BUYER_IDREF . . . 73
SUPPLIER_IDREF . . . 74
PAYMENT . . . 75
CARD . . . 77
PAYMENT_TERMS . . . 79
PAYMENT_TERM . . . 81
TIME_FOR_PAYMENT . . . 82
ALLOW_OR_CHARGES_FIX . . . 84
ALLOW_OR_CHARGE . . . 86
ALLOW_OR_CHARGE_VALUE . . . 90
AOC_ORDER_UNITS_COUNT . . . 92
ACCOUNTING_INFO . . . 93
COST_CATEGORY_ID . . . 94
REMARKS . . . 95
REMITTANCEADVICE_ITEM_LIST . . . 97
REMITTANCEADVICE_ITEM . . . 98
RA_INVOICE_LIST . . . 101
RA_INVOICE_LIST_ITEM . . . 102
INVOICE_REFERENCE . . . 103
ORIGINAL_INVOICE_SUMMARY . . . 105
TOTAL_TAX . . . 106
TAX_DETAILS_FIX . . . 107
INVOICE_ADJUSTMENT . . . 110
ADJUSTED_INVOICE_SUMMARY . . . 111
REMITTANCEADVICE_SUMMARY . . . 112
Index . . . 113
Annex . . . 115
Basic data types . . . 116
Enumeration data types . . . 118
Special data types . . . 120
History of changes - Version 2005fd . . . 121
History of changes - Version 2005 . . . 123
History of changes - Version 20v1 . . . 124
History of changes - Version 20v2 . . . 125
History of changes - Version 20v3 . . . 129
History of changes - Version 20fd . . . 131
History of changes - Version 20 . . . 132
History of changes - Version 21fd . . . 133
History of changes - Version 21 . . . 134
Overview of elements - order by appearance . . . 135
Overview of elements - alphabetical order . . . 141

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1 Introduction

1.1 Overview

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

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

The following business documents are specified in this document:

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

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

1.2 Use of XML

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

1.3 Supplementary activities and standards

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

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

1.4 Implementation support

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

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

1.5 Website www.opentrans.org

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

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german and english language:

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

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

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

2 Specification

2.1 Terminology

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

business document

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

business transaction

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

business process

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

2.2 Structure of the specification

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

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

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

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

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

2.3 Description of elements

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

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

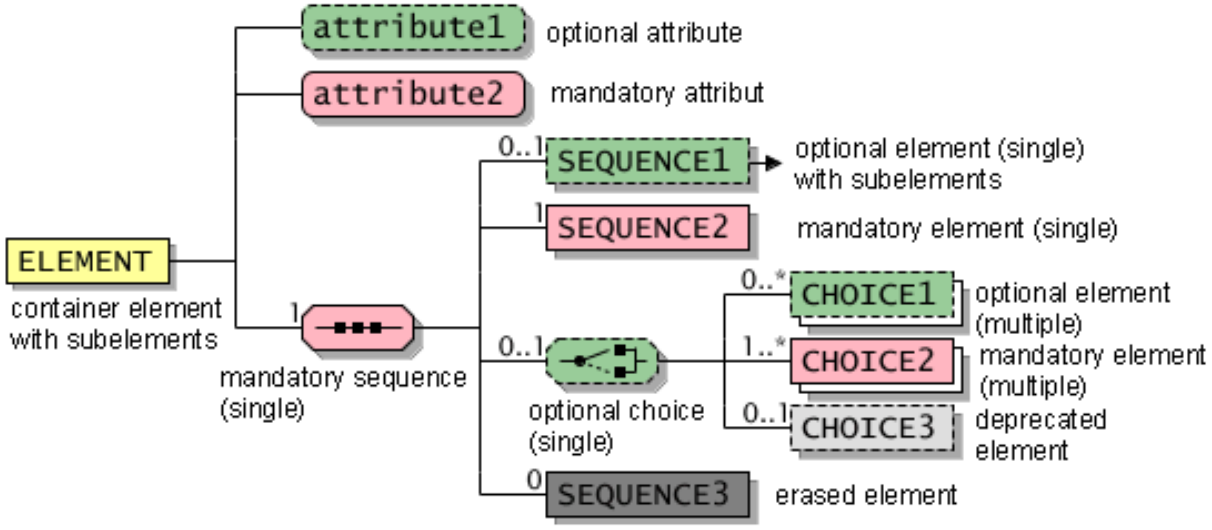
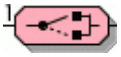
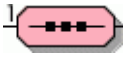


Figure 2-1: Visualization of elements and sub-elements

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

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

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

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

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

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

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

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

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

2.4 Must- and Can-fields

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

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

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

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

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

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

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```
</INVOICE_INFO>
```

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

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

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

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

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

The following examples make this clear.

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

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

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

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

2.5 Data types

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

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

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

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type.

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

2.6 Coding in XML

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

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

2.7 History of openTRANS versions

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

Table 2-1: History of openTRANS® versions

3 Dataexchange with openTRANS 2.x

3.1 document structure

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

3.1.1 Header-Level

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

3.1.2 Item-Level

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

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3.1.3 Summary

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

3.2 Multilingual documents

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

3.3 Changes in openTRANS 2.0

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

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

3.4 Changes in openTRANS® 2.1

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

3.5 Downward compatibility zu openTRANS 1.0

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

3.6 Compatibility with BMEcat®

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

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

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Reference of elements - order by appearance

REMITTANCEADVICE

(Payment/Remittance advice)

The business document REMITTANCEADVICE can contain several payment advice documents by one invoice recipient to many invoicing parties.

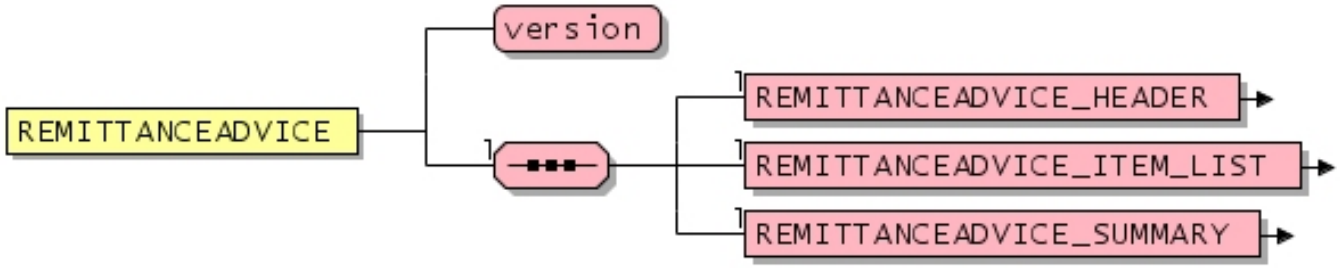
Every valid REMITTANCEADVICE in openTRANS® format is triggered by the root element REMITTANCEADVICE and consists of a header (REMITTANCEADVICE_HEADER), an item level (REMITTANCEADVICE_ITEM_LIST) and a summary (REMITTANCEADVICE_SUMMARY).

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 payment advice. 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.

New element



General

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

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: "2.0") See also: **Permitted values for attribute "version"**	-	**dtSTRING**	7	-	-

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Permitted values for attribute "version"

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Header level	**REMITTANCEADVICE_ 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.	-	-	-	-	20v3
Item level	**REMITTANCEADVICE_ ITEM_LIST**	Mandatory	Single	The item level lists all inoivce groups in a payment advice.	-	-	-	-	20v3
Summary	**REMITTANCEADVICE_ SUMMARY**	Mandatory	Single	Summary of the payment advice information. Usually the information in this element is redundant.	-	-	-	-	20v3

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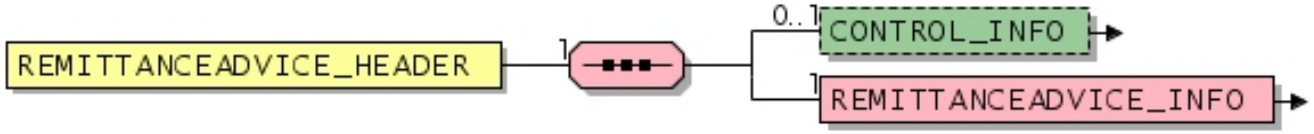
REMITTANCEADVICE_HEADER

(Header level)

The header is specified by the **REMITTANCEADVICE_HEADER** element. **REMITTANCEADVICE_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 (**REMITTANCEADVICE_ITEM**).

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Control information	**CONTROL_INFO**	Optional	Single	Control information for the automatic processing of the business documents	-	-	-	-	-
Information related to the remittance advice	**REMITTANCEADVICE_ INFO**	Mandatory	Single	General information related to this business document.	-	-	-	-	20

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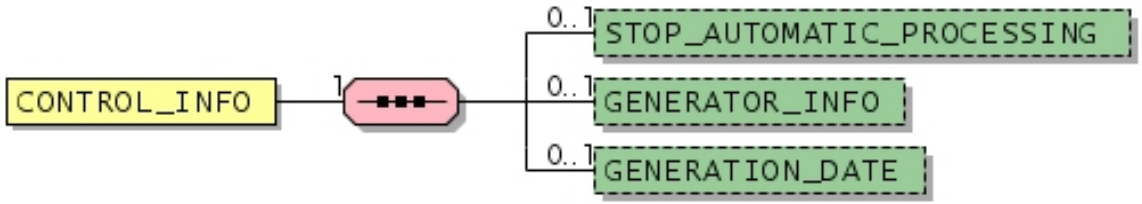
CONTROL_INFO

(Control information)

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

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



General

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

Elements

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

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REMITTANCEADVICE_INFO

(Information related to the remittance advice)

The element **REMITTANCEADVICE_INFO** specifies the scope of the remittance advice.

If this element is used at least one of the following elements must be used.

New element
Fore processing improvement reasons the sorting of the elements has been changed.

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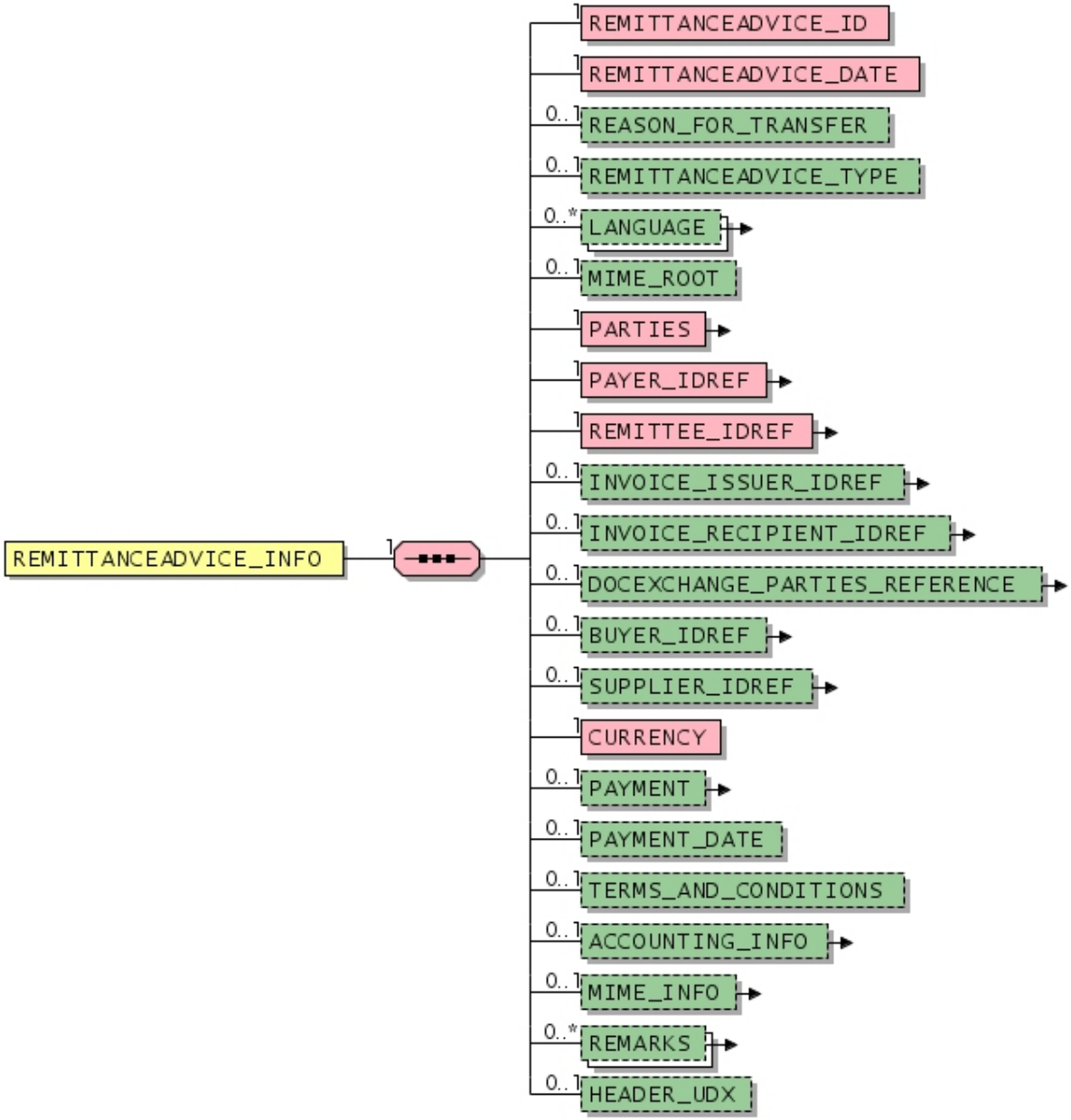

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General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Number of the remittance advice	**REMITTANCEADVICE_ID**	Mandatory	Single	Unique identifier of the remittance advice New element	-	**dtSTRING**	250	-	20v3
Remittance/Payment advice date	**REMITTANCEADVICE_DATE**	Mandatory	Single	Date of the payment advice New element	-	**dtDATETIME**	-	-	20v3
Intended purpose	**REASON_FOR_TRANSFER**	Optional	Single	Intended purpose especially regarding financial transactions and particularly bank transfers New element	-	**dtSTRING**	140	-	20v2
Remittance/Payment advice	**REMITTANCEADVICE_TYPE**	Optional	Single	Describes the roles of the sender and recipient of the payment advice, i.e. specifies if the remittee triggers the direct debit and uses the payment advice as additional information for the payer or if the payer uses the advice of payment to document the payment. New element See also: **Permitted values for element REMITTANCEADVICE_TYPE**	-	**dtSTRING**	20	-	20v3
Language	**LANGUAGE** **- default**	Optional	Multiple	Specification of used languages, especially the default language of all language-dependent information *namespace: BMECAT*	-	**dtLANG**	-	-	-
MIME root directory	**MIME_ROOT**	Optional	Single	A relative directory can be entered here (and/or a URI), i.e. one to which the relative paths in **MIME_SOURCE** refer. *namespace: BMECAT*	-	**dtMLSTRING**	250	Yes	-
Parties	**PARTIES**	Mandatory	Single	List of parties that are relevant to this business document 	-	-	-	-	2005fd
Reference to the payer	**PAYER_IDREF** **- type**	Mandatory	Single	Reference to a unique identifier of the payer. The element refers to a **PARTY_ID** in the same document 	-	**dtSTRING**	250	-	20v2

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Reference to a remittee	**REMITTEE_IDREF - type**	Mandatory	Single	Refers to a unique identifier of the remittee. The elemente refers to the **PARTY_ID** of the remittee in the same document.	-	**dtSTRING**	250	-	20v2
Reference to invoicing party	**INVOICE_ISSUER_ IDREF - type**	Optional	Single	Reference to an unique identifier of the invoicing party. The element refers to a **PARTY_ID** in the same document.	-	**dtSTRING**	250	-	20v2
Reference to the recipi-ent of the invoice	**INVOICE_RECIPIENT_ IDREF - type**	Optional	Single	Reference to an unique identifier to the recipient of the invoice. The element refers to a **PARTY_ID** of an invoice recipient in the same document	-	**dtSTRING**	250	-	20v2
Document exchange parties	**DOCEXCHANGE_PAR-TIES_REFERENCE**	Optional	Single	Reference to the business partners who take part in the document exchange	-	-	-	-	20v3
Reference to the buyer	**BUYER_IDREF - type**	Optional	Single	Reference to the buyer. It contains the unique identifier (**PARTY_ID**) of the respective par-ty that is defined in the document (**PARTY** element). *namespace: BMECAT*	-	**dtSTRING**	250	-	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**). *namespace: BMECAT*	-	**dtSTRING**	250	-	2005fd
Currency	**CURRENCY**	Mandatory	Single	Provides the currency that is default for all price information in the catalog. If the price of a product has a different currency, or this element is not used, the the currency has to be specified in the **PRICE_CURRENCY** element for the respective product. Therefore, the currency must be specified in the catalog header or for each product sepa-rately. It is recommended to define a default currency. *namespace: BMECAT*	-	**dtCUR-RENCIES**	-	-	-
Mode of payment	**PAYMENT**	Optional	Single	Payment procedure The PAYMENT element is to be interpreted by the recipient of the document as a re-quested mode of payment. The binding payment procedure is laid down in the order.	-	-	-	-	2.0

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Time for payment	**PAYMENT_DATE**	Optional	Single	Time where the payment is supposed to be done. New element	-	**dtDATETIME**	-	-	20v2
GTC	**TERMS_AND_CONDITIONS**	Optional	Single	General terms and conditions	-	**dtSTRING**	250	-	2.0
Accounting information	**ACCOUNTING_INFO**	Optional	Single	Information on the accounting treatment of costs incurred by the buyer as a result of the order. This information is supplied by the buyer to allow the supplier to include it in the following invoice, thereby making invoice verification by the buyer easier. *namespace: BMECAT* 	-	-	-	-	2005fd
Additional multimedia information	**MIME_INFO**	Optional	Single	Information about multimedia files	-	-	-	-	-
Remark	**REMARKS** **- type**	Optional	Multiple	Remark related to a business document	-	**dtMLSTRING**	64000	Yes	-

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Elements

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

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

Permitted values for element REMITTANCEADVICE_TYPE

Designation	Element value	Explanation	l.chg. in ver.
Payment	payment	The payment describes a payment triggered by the payer.	20v3
Collection	collection	The payment advice describes a payment triggered by the remittee (e.g. via direct debit).	20v3

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LANGUAGE

(Language) *namespace: BMECAT*

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

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

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

General

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

Attributes

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

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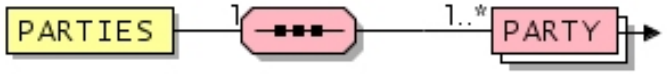
PARTIES

(Parties)

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

New element



General

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

Elements

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

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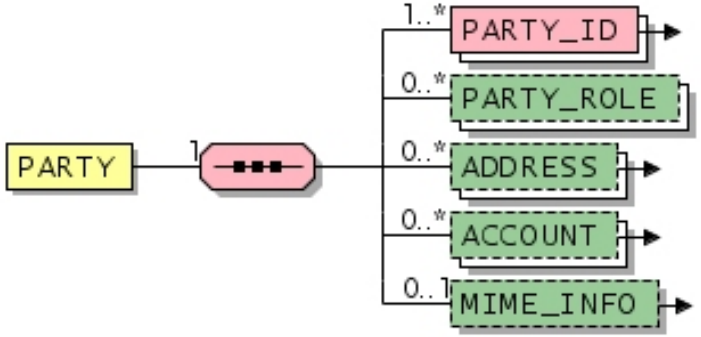
PARTY

(Business partner)

This element contains information about a business partner.

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

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



General

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

Elements

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

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Elements

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

Permitted values for element PARTY_ROLE

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

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Permitted values for element PARTY_ROLE

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

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Permitted values for element PARTY_ROLE

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

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Example

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

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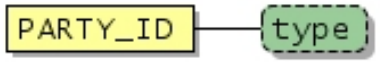
PARTY_ID

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

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

New element



General

Used in	Default value	Data type	Field length	Lang. specific	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 chraracter long up to a maximum of 250 characters.	-

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ADDRESS

(Address)

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

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

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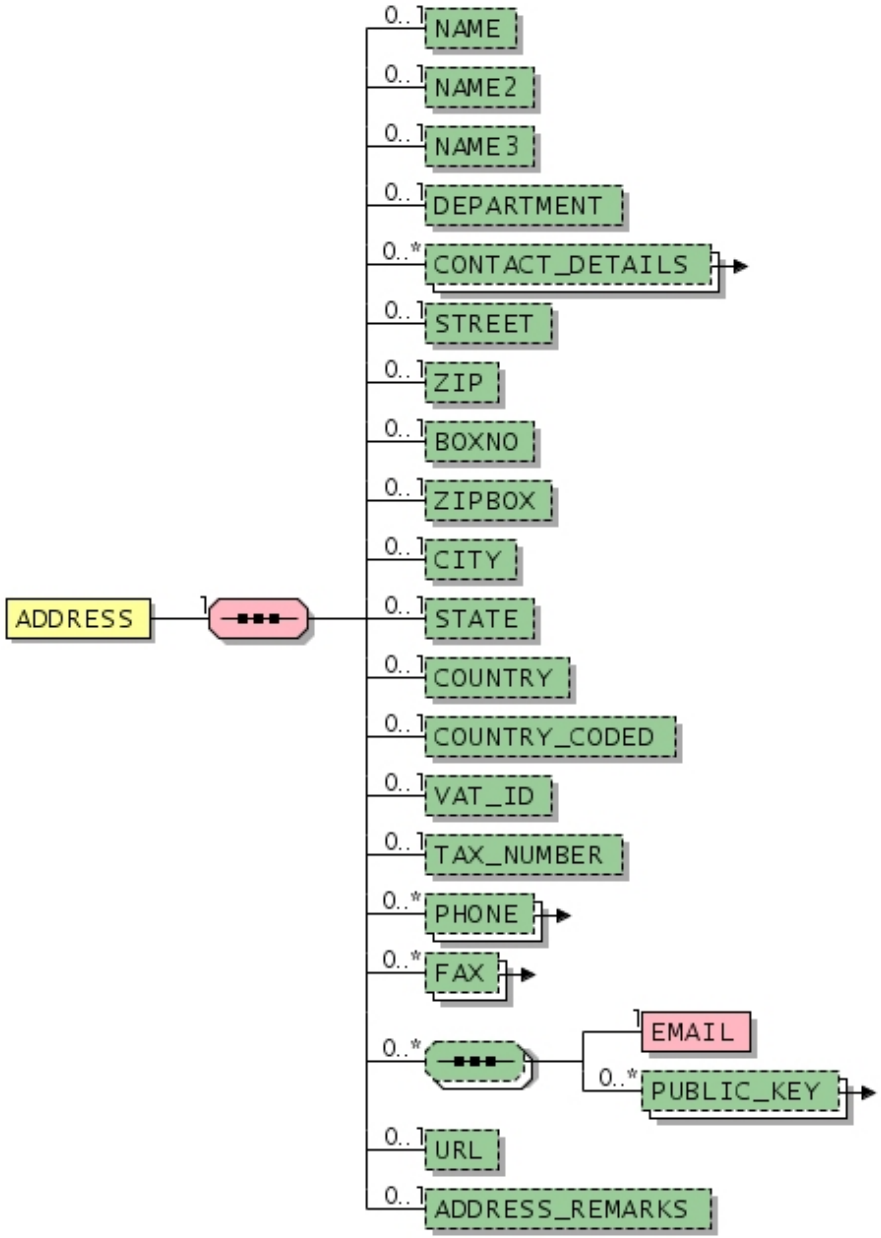

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General

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

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Elements

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

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Example

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

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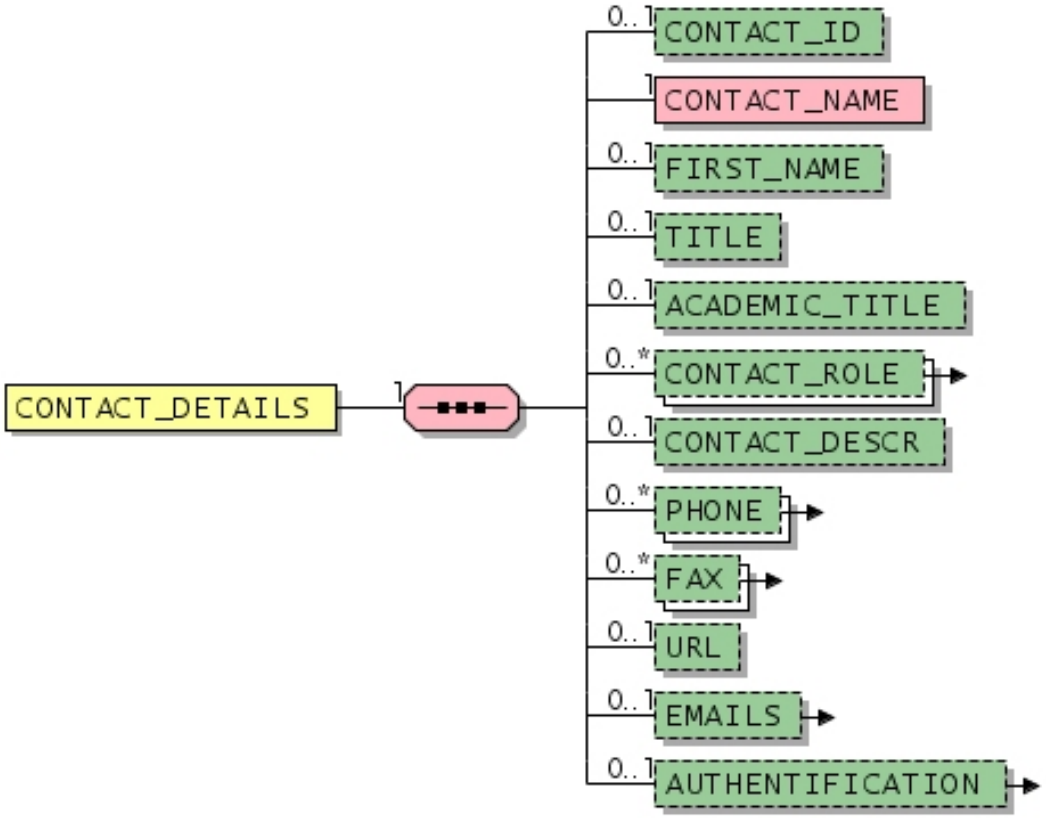
CONTACT_DETAILS

(Contact)

This element contains informations about a contact person.

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



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General

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

Elements

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

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Elements

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

Example

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

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CONTACT_ROLE

(Role)

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

New element

General

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

Attributes

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

Permitted values for attribute "type"

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

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PHONE

(Phone number) *namespace: BMECAT*

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

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

General

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

Attributes

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

Predefined values for attribute "type"

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

Example

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

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FAX

(Fax number) *namespace: BMECAT*

This element contains a fax number.

General

Used in	Default value	Data type	Field length	Lang. specific	l.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	l.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	l.chg. in ver.
Office	office	Office fax number	2005fd
Private	private	Private fax number	2005fd
Self-defined type	User defined value, format: \w{1,50}	Fax types may be self-defined and have to be 1 character at the minimum and not more than 50 characters.	2005fd

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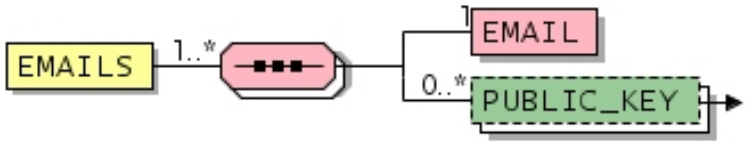
EMAILS

(E-mail addresses) *namespace: BMECAT*

This element contains a list of e-mail addresses.

New element



General

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

Elements

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

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PUBLIC_KEY

(Public key) *namespace: BMECAT*

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

General

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

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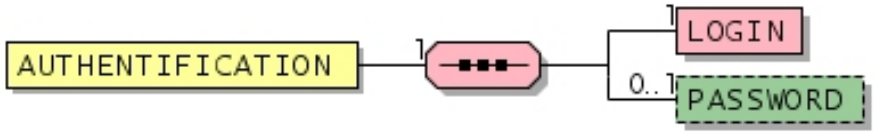
AUTHENTIFICATION

(Authentification information) *namespace: BMECAT*

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

New element



General

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

Elements

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

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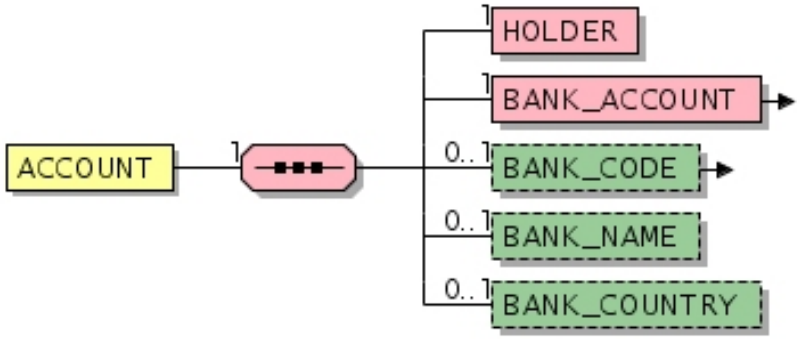
ACCOUNT

(Bank account)

The ACCOUNT element summarizes information about bank accounts.

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



General

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

Elements

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

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Elements

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

Example

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

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BANK_ACCOUNT

(Account number)

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

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

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

General

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

Attributes

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

Predefined values for attribute "type"

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

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Predefined values for attribute "type"

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

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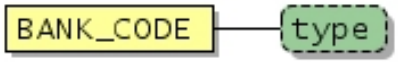
BANK_CODE

(Bank code)

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

*

Added new attribute 'type'.



General

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

Attributes

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

Predefined values for attribute "type"

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

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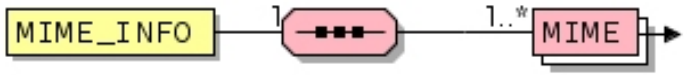
MIME_INFO

(Additional multimedia information)

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

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

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



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PARTY, **REMITTANCEADVICE_INFO**, **REMITTANCEADVICE_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 direclty binary-coded in the document via the element **MIME_EMBEDDED**. *	-	-	-	-	21fd

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Example

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

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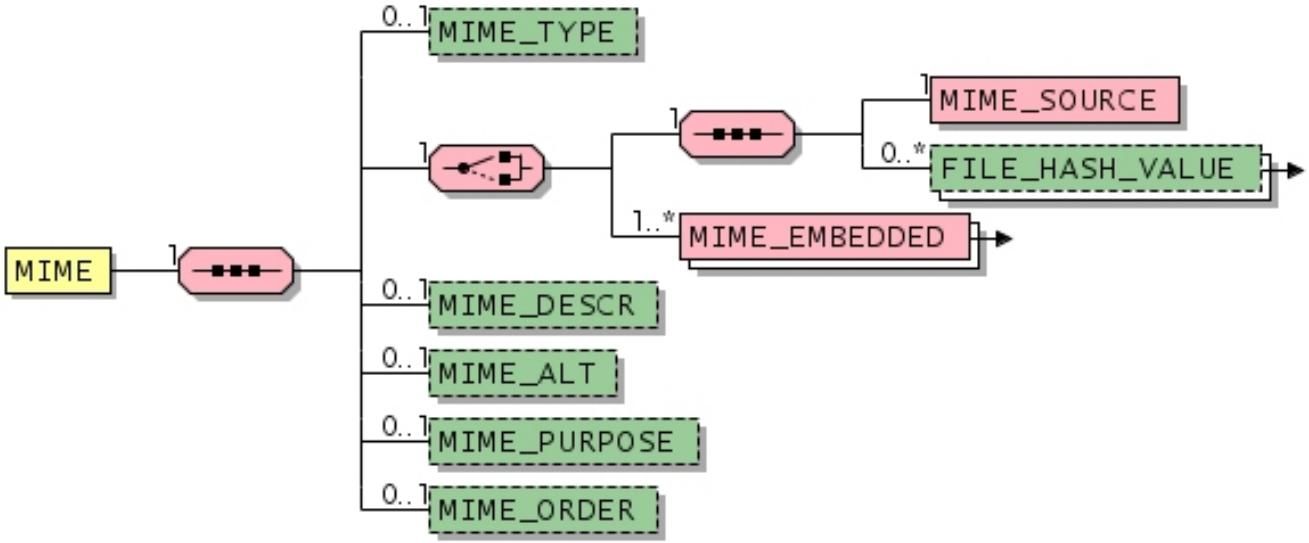
MIME

(Multimedia document)

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

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



General

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

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Elements

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

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Elements

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

Predefined values for element MIME_TYPE

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

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Permitted values for element MIME_PURPOSE

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

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Permitted values for element MIME_PURPOSE

Designation	Element value	Explanation	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, achievment or a copy of the original New value	20v2
Thumbnail view	thumbnail	Preview (small)	-
Report of verification	verification_report	Report of verification or test-processes New value	20v3
Warranty	warranty	Warranty certificate New value	20v2
Others	others	Should none of the other values be suitable, others can be used.	-

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

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

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

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

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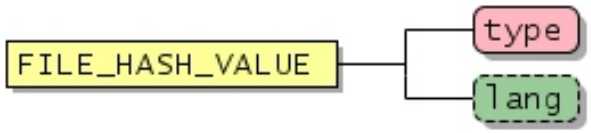
FILE_HASH_VALUE

(Hash value of a file)

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

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

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



General

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

Attributes

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

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Predefined values for attribute "type"

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

Example

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

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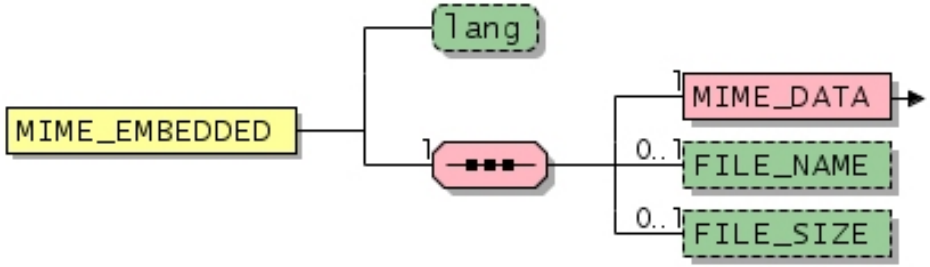
MIME_EMBEDDED

(Embedded document)

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

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

New element



General

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

Attributes

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

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Elements

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

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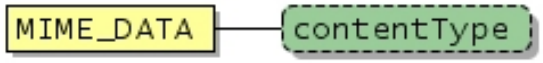
MIME_DATA

(Coded data of the file)

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

New element



General

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

Attributes

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

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PAYER_IDREF

(Reference to the payer)

Reference to a unique identifier of the payer. 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.
REMITTANCEADVICE_INFO	-	**dtSTRING**	250	-	20v2

Attributes

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

Predefined values for attribute "type"

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

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REMITTEE_IDREF

(Reference to a remittee)

Refers to a unique identifier of the remittee. The elemente refers to the **PARTY_ID** of the remittee in the same document.

New element

General

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

Attributes

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

Predefined values for attribute "type"

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

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INVOICE_ISSUER_IDREF

(Reference to invoicing party)

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

If the document is used as a credit memo or advice of amendment (see also **INVOICE_TYPE**) the refered party of **INVOICE_ISSUER_IDREF** is additionally the recipient of the benefit/buyer.

New element

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
REMITTANCEADVICE_INFO, **REMITTANCEADVICE_ITEM**	-	**dtSTRING**	250	-	20v2

Attributes

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

Predefined values for attribute "type"

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

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Predefined values for attribute "type"

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

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INVOICE_RECIPIENT_IDREF

(Reference to the recipient of the invoice)

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

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

New element

General

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

Attributes

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

Predefined values for attribute "type"

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

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Predefined values for attribute "type"

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

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DOCEXCHANGE_PARTIES_REFERENCE

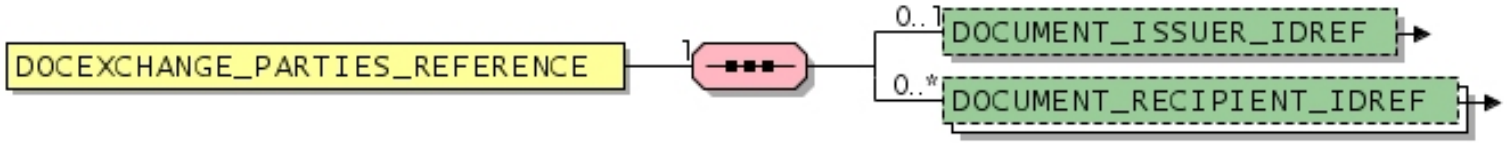
(Document exchange parties)

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

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

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

New element



General

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

Elements

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

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DOCUMENT_ISSUER_IDREF

(Reference to the document issuer)

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

New element

General

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

Attributes

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

Predefined values for attribute "type"

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

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DOCUMENT_RECIPIENT_IDREF

(Reference to the document recipient)

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

New element

General

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

Attributes

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

Predefined values for attribute "type"

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

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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.
REMITTANCEADVICE_INFO	-	**dtSTRING**	250	-	2005fd

Attributes

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

Predefined values for attribute "type"

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

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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	I.chg. in ver.
REMITTANCEADVICE_INFO	-	**dtSTRING**	250	-	2005fd

Attributes

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

Predefined values for attribute "type"

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

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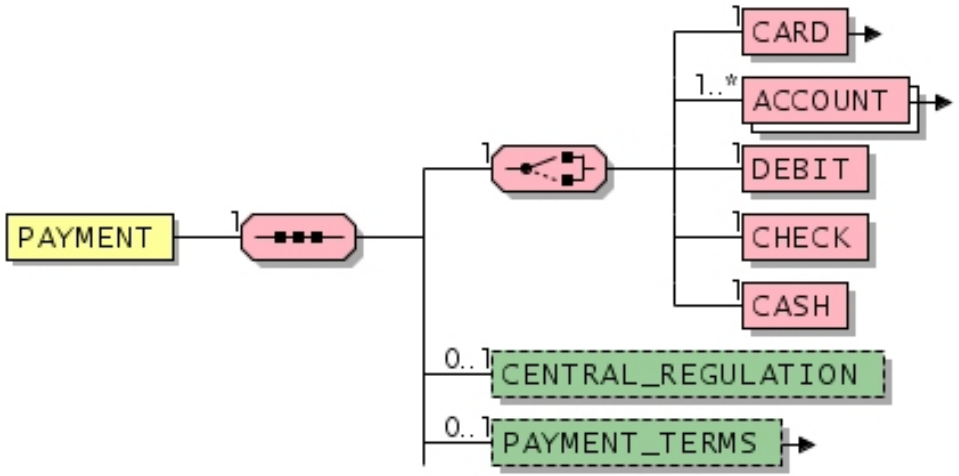
PAYMENT

(Mode of payment)

The PAYMENT element summarizes information about the terms of payment. Exactly one term of payment must be used. If no information about payment is transferred (e.g. because this has been defined in a skeleton contract) the element is not used.



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Card payment	**CARD** **- type**	Mandatory	Single	Use of credit cards, purchase cards etc. *	-	-	-	-	21fd
Bank account	**ACCOUNT**	Mandatory	Multiple	Bank account details *	-	-	-	-	21fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Debit notification	**DEBIT**	Mandatory	Single	The element **DEBIT** specifies the credit note procedure as payment system. The sub-element **PAYMENT_TERM** was moved to **PAYMENT_TERMS**.	-	**dtBOO-LEAN**	-	-	20fd
Check payment	**CHECK**	Mandatory	Single	The element **CHECK** specifies paying by check as payment system. The sub-element **PAYMENT_TERM** was moved to the element **PAYMENT_TERMS**.	-	**dtBOO-LEAN**	-	-	20fd
Cash payment	**CASH**	Mandatory	Single	The element **CASH** specifies cash payment as payment system . The Sub-element **PAYMENT_TERM** was moved to the element **PAYMENT_TERMS**.	-	**dtBOO-LEAN**	-	-	20fd
Centralized settlement	**CENTRAL_REGULATI-ON**	Optional	Single	Indicates if the payment process is transacted via a centralized settlement New element	false	**dtBOO-LEAN**	-	-	20v3
Term of payment	**PAYMENT_TERMS**	Optional	Single	Information to payment terms 	-	-	-	-	21

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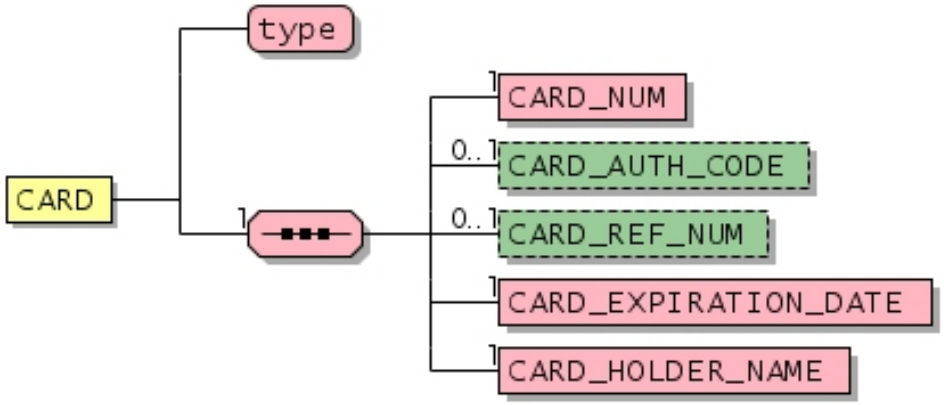
CARD

(Card payment)

The CARD element summarizes information about payment using credit or purchasing cards.

Subelements CARD_TYPE and CARD_OTHER replaced by the type-attribute of CARD. A list of available values was added. Example added.



General

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

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Card type	type	Mandatory	The type of the card. New attribute See also: **Predefined values for attribute "type"**	-	**dtSTRING**	50	-	21fd

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Predefined values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
MasterCard	MasterCard	MasterCard	21fd
VISA	VISA	VISA	21fd
American Express	AmericanExpress	American Express	21fd
Diners Club	DinersClub	Diners Club	21fd
JCB	JCB	JCB	21fd
Maestro	Maestro	Maestro	21fd
DiscoverCard	DiscoverCard	Discover Card	21fd
Transcard	Transcard	Transcard	21fd
DinaCard	DinaCard	DinaCard	21fd
ChinaUnionPay	ChinaUnionPay	China UnionPay	21fd
User-defined value	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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Card number	**CARD_NUM**	Mandatory	Single	Number of the credit or purchasing card	-	**dtSTRING**	16	-	2.0
PIN	**CARD_AUTH_CODE**	Optional	Single	(Caution! - not recommended for use for insecure transmission!)	-	**dtSTRING**	10	-	2.0
Reference number	**CARD_REF_NUM**	Optional	Single	Customer reference number	-	**dtSTRING**	50	-	2.0
Expiration date	**CARD_EXPIRATION_DATE**	Mandatory	Single	Expiration date Example: "2001-03" for 03/2001	-	**dtDATETIME**	-	-	2.0
Card holder	**CARD_HOLDER_NAME**	Mandatory	Single	Name of the card holder the credit card has been issued to.	-	**dtSTRING**	50	-	2.0

Example

```
<CARD type="VISA">
    <CARD_NUM>111222333444</CARD_NUM>
    <CARD_EXPIRATION_DATE>2009-05</CARD_EXPIRATION_DATE>
    <CARD_HOLDER_NAME>Supershop Store International</CARD_HOLDER_NAME>
</CARD>
```

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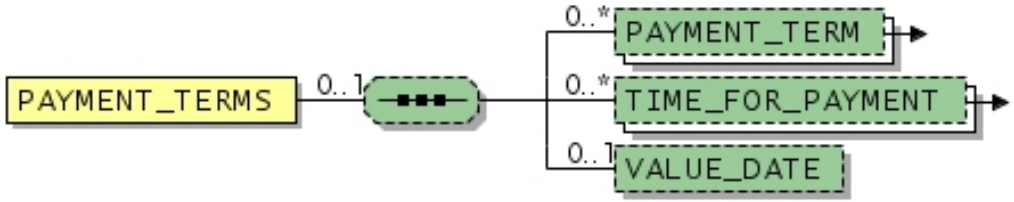
PAYMENT_TERMS

(Term of payment)

Information to payment terms

New element
Example added.



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Term of payment	**PAYMENT_TERM - type**	Optional	Multiple	The information can be given according to UN/ECE or be company-specific.	-	**dtSTRING**	250	-	2.0
Time for payment	**TIME_FOR_PAYMENT**	Optional	Multiple	Information to time-related payment details like period for payment, early payment discounts	-	-	-	-	21
Value date	**VALUE_DATE**	Optional	Single	Specifies the value date. If the time for payment are not specified using **TIME_FOR_PAYMENT** or only the **DAYS** are specified then the period of payment begins at this **VALUE_DATE**. Is the **PAYMENT_DATE** used then the element **PAYMENT_DATE** is decisive. New element The description of VALUE_DATE has been extended and an example has been added.	-	**dtDATETIME**	-	-	21

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Example
Specification of the following details: time for payment is 30 days, 3% early payment discount for payment in a 10 day period, 1% early payment discount for payment within a 20 day period. The value-date states the beginning of the payment period by May 15th, 2009.

```
<PAYMENT_TERMS>
    <TIME_FOR_PAYMENT>
        <DAYS>30</DAYS>
    </TIME_FOR_PAYMENT>
    <TIME_FOR_PAYMENT>
        <DAYS>10</DAYS>
        <DISCOUNT_FACTOR>0.3</DISCOUNT_FACTOR>
    </TIME_FOR_PAYMENT>
    <TIME_FOR_PAYMENT>
        <DAYS>20</DAYS>
        <DISCOUNT_FACTOR>0.1</DISCOUNT_FACTOR>
    </TIME_FOR_PAYMENT>
    <VALUE_DATE>2009-05-15</VALUE_DATE>
</PAYMENT_TERMS>
```

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PAYMENT_TERM

(Term of payment)

The information can be given according to UN/ECE or be company-specific.

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
PAYMENT_TERMS	-	**dtSTRING**	250	-	2.0

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Term of payment	type	Mandatory	Procedure according to which the term of payment is coded. See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	2.0

Permitted values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
UN/ECE	unece	Description of the term of payment according to UN/ECE convention 4279. (see **http://www.unece.org/trade/untdid/d00b/tred/tred4279.htm**)	-
Other	other	Means that there is no descriptive procedure to be used for the term of payment but a free text instead.	-

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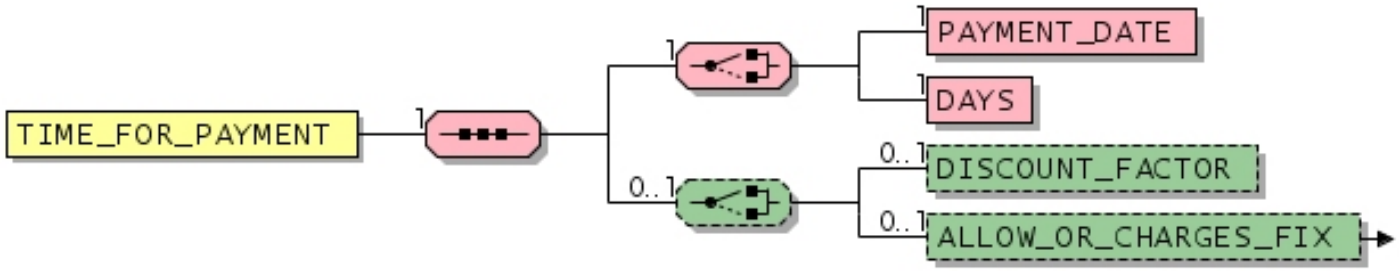
TIME_FOR_PAYMENT

(Time for payment)

The element contains information to time-related payment details like period for payment, early payment discounts. For specifying the period of payment the element **PAYMENT_DATE** (to set a date) or the element **DAYS** (to set a time-frame) can be used.
In the case of no further specification of detials the specified period for payment is the "net time for payment". The sub-element **DISCOUNT_FACTOR** specifies the factor used for a early payment discount. If the element **ALLOW_OR_CHARGES_FIX** is used any surrcharges or discounts can be used (e.g. early payment discounts or late fees for exceeding the deadline for payment).

New element
Example changed and additional example added.



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Time for payment	**PAYMENT_DATE**	Mandatory	Single	Time where the payment is supposed to be done. New element	-	**dtDATETIME**	-	-	20v2
Days	**DAYS**	Mandatory	Single	Time designation by days New element	-	**dtCOUNT**	-	-	20fd

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Cash discount factor	**DISCOUNT_FACTOR**	Optional	Single	Factor to calculate the cash discount, e.g. 0.3 means 3% cash discount New element	-	**dtFLOAT**	-	-	20fd
Fixed allowance or surcharges	**ALLOW_OR_CHAR-GES_FIX**	Optional	Single	A list of fixed allowances or surcharges which are to be applied on the price.	-	-	-	-	21fd

Example

Specification of the following details: time for payment is May 30th, 3% early payment discount for payment until May 10th, 1% early payment discount for payment until May 20th. (see also **PAYMENT_TERMS** for an additional example)

```
<PAYMENT_TERMS>
    <TIME_FOR_PAYMENT>
        <PAYMENT_DATE>2009-05-30</PAYMENT_DATE>
    </TIME_FOR_PAYMENT>
    <TIME_FOR_PAYMENT>
        <PAYMENT_DATE>2009-05-20</PAYMENT_DATE>
        <DISCOUNT_FACTOR>0.1</DISCOUNT_FACTOR>
    </TIME_FOR_PAYMENT>
    <TIME_FOR_PAYMENT>
        <PAYMENT_DATE>2009-05-10</PAYMENT_DATE>
        <DISCOUNT_FACTOR>0.3</DISCOUNT_FACTOR>
    </TIME_FOR_PAYMENT>
</PAYMENT_TERMS>
```

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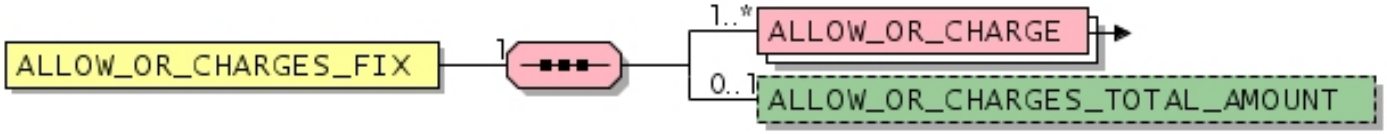
ALLOW_OR_CHARGES_FIX

(Fixed allowance or surcharges)

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

New element
Example added.



General

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

Elements

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

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Example

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

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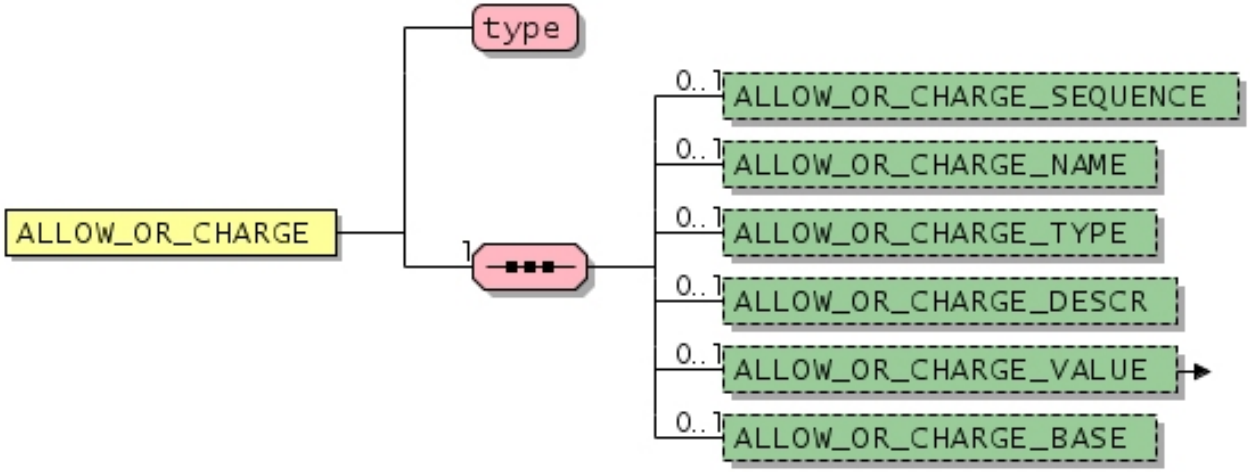
ALLOW_OR_CHARGE

(Fixed charge or allowance)

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

New element
Description more detailed.



General

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

Attributes

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

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Permitted values for attribute "type"

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

Elements

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

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Predefined values for element ALLOW_OR_CHARGE_TYPE

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

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Predefined values for element ALLOW_OR_CHARGE_TYPE

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

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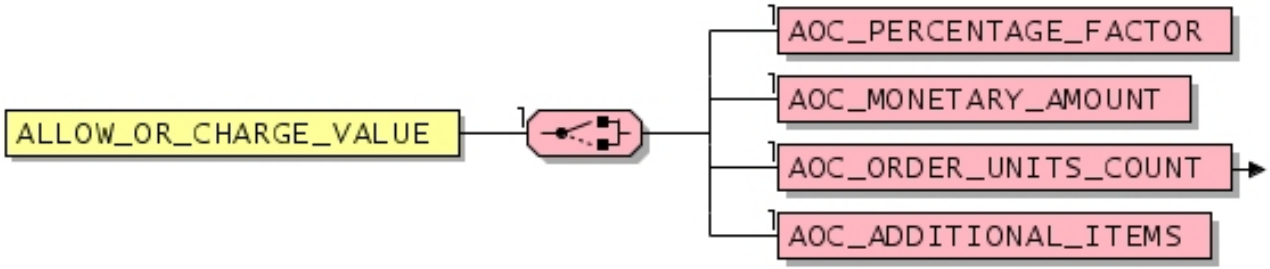
ALLOW_OR_CHARGE_VALUE

(Allowance or surcharge value)

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

New element



General

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

Elements

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

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Elements

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

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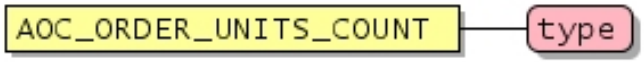
AOC_ORDER_UNITS_COUNT

(Number of rebates in kind units)

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

New element



General

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

Attributes

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

Permitted values for attribute "type"

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

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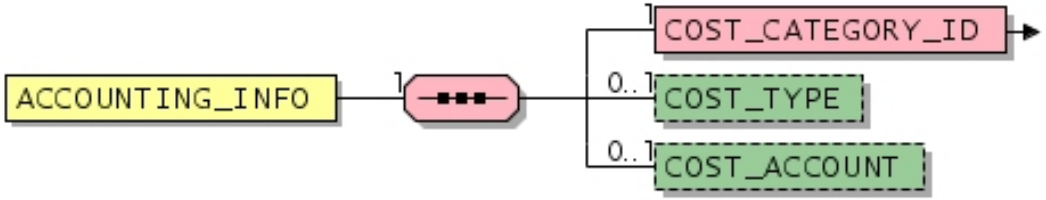
ACCOUNTING_INFO

(Accounting information) *namespace: BMECAT*

This element contains information about accounting processes which occur at the buying company as a result of the order. This information includes the number of the identification of the cost category concerned, the type of cost as well as the actual account. The accounting information is given by the buying company so that the supplier can indicate it on the invoice, which in turn facilitates checking and auditing invoices at the buying company.

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Cost category	**COST_CATEGORY_ID - type**	Mandatory	Single	Number of the cost center to be charged or the project or work order to which the charge must be made. The type of cost category is fixed by the attribute "type". *namespace: BMECAT*	-	**dtSTRING**	64	-	2005fd
Type of cost	**COST_TYPE**	Optional	Single	Information about the type of cost, e.g. investment, service, consumption, etc. *namespace: BMECAT* New element	-	**dtSTRING**	64	-	2005fd
Cost account	**COST_ACCOUNT**	Optional	Single	Number of the main account to be charged *namespace: BMECAT* New element	-	**dtSTRING**	64	-	2005fd

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COST_CATEGORY_ID

(Cost category) *namespace: BMECAT*

Number of the cost center to be charged or the project or work order to which the charge must be made.

The type of cost category is fixed by the attribute "type".

New element

General

Used in	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ACCOUNTING_INFO	-	**dtSTRING**	64	-	2005fd

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Type of cost category	type	Optional	It is specified here whether the costs are to be charged to a cost center, project or work order. If the attribute is not used no exact specification is made. See also: **Permitted values for attribute "type"**	-	**dtSTRING**	20	-	2005fd

Permitted values for attribute "type"

Designation	Attribute value	Explanation	I.chg. in ver.
Cost center	cost_center	The costs are charged to a cost center.	2005fd
Project	project	The costs are charged to a project.	2005fd
Work order	work_order	The costs are charged to a work order.	2005fd

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REMARKS

(Remark)

This element contains remarks related to a business document.

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

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

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

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

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

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

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

General

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

Attributes

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

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Predefined values for attribute "type"

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

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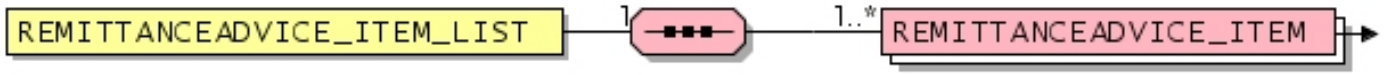
REMITTANCEADVICE_ITEM_LIST

(Item level)

This element represents the item level of the remittance advice and contains of the invoice groups (related to invoicing parties).

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Item line	**REMITTANCEADVICE_ ITEM**	Mandatory	Multiple	The item line level contains information related to an invoice group	-	-	-	-	20v3

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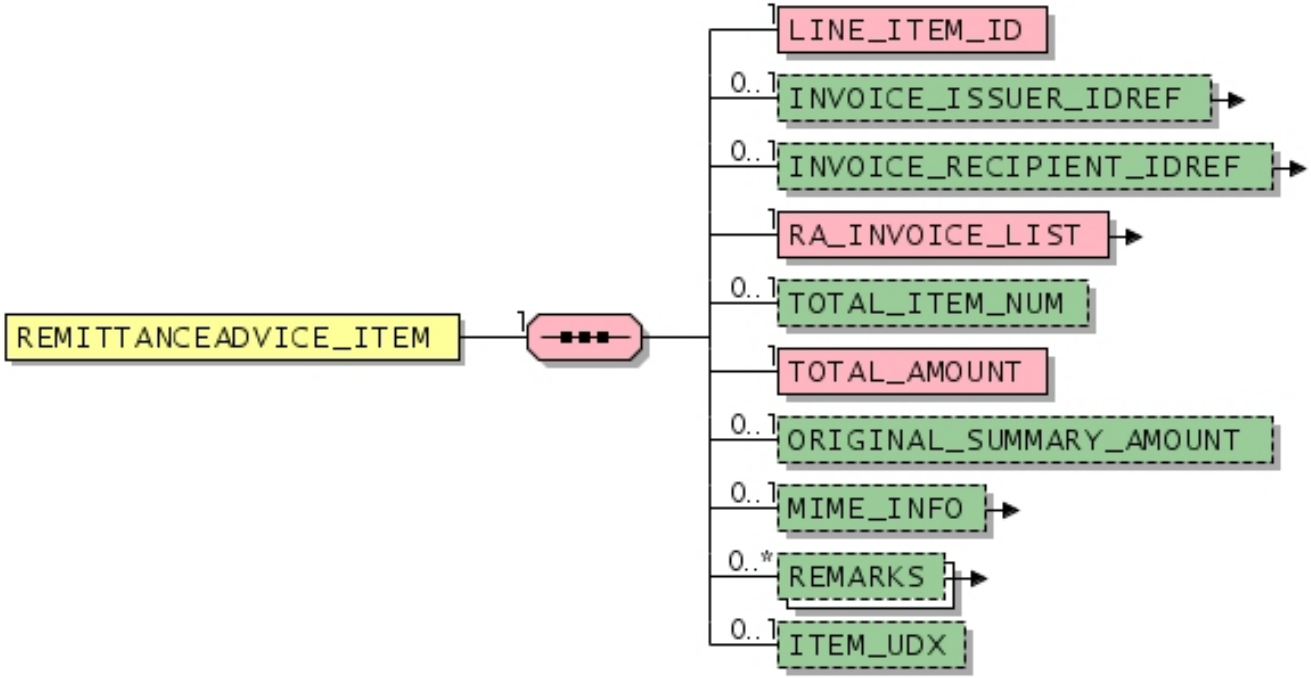
REMITTANCEADVICE_ITEM

(Item line)

The item line level contains information related to an invoice group bundeled in a summary.

Any number of item lines is allowed but at least one item line must be used.

New element



General

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

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Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
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
Reference to invoicing party	**INVOICE_ISSUER_ IDREF - type**	Optional	Single	Reference to an unique identifier of the invoicing party. The element refers to a **PARTY_ID** in the same document.	-	**dtSTRING**	250	-	20v2
Reference to the recipient of the invoice	**INVOICE_RECIPIENT_ IDREF - type**	Optional	Single	Reference to an unique identifier to the recipient of the invoice. The element refers to a **PARTY_ID** of an invoice recipient in the same document	-	**dtSTRING**	250	-	20v2
Invoice list	**RA_INVOICE_LIST**	Mandatory	Single	List of all invoices in a group of invoices.	-	-	-	-	20v3
Number of item lines	**TOTAL_ITEM_NUM**	Optional	Single	Contains the total number of item lines in the business document. The information is redundant and is for the purposes of statistical evaluation (e.g. by an intermediary) if appropriate.	-	**dtCOUNT**	-	-	2.0
Total amount	**TOTAL_AMOUNT**	Mandatory	Single	Total amount covering all items in this business document. Changed definition: Gross price including surcharges, deductions and all taxes. Where no price per item can be given as the item level (e.g. bills of materials where explosion is not possible), the total price can be entered here. Changed definition	-	**dtNUM-BER**	-	-	20
Aggregated original invoice total amounts	**ORIGINAL_SUMMARY_ AMOUNT**	Optional	Single	Aggregated total amount of all original invoices to a remittee New element	-	**dtNUM-BER**	-	-	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	-

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Elements

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

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

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RA_INVOICE_LIST

(Invoice list)

List of all invoices in a group of invoices.

New element

General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Invoice summary	**RA_INVOICE_LIST_ ITEM**	Mandatory	Multiple	Summary (original and if applicable correction) and reference to an invoice of a group of invoices.	-	-	-	-	20v3

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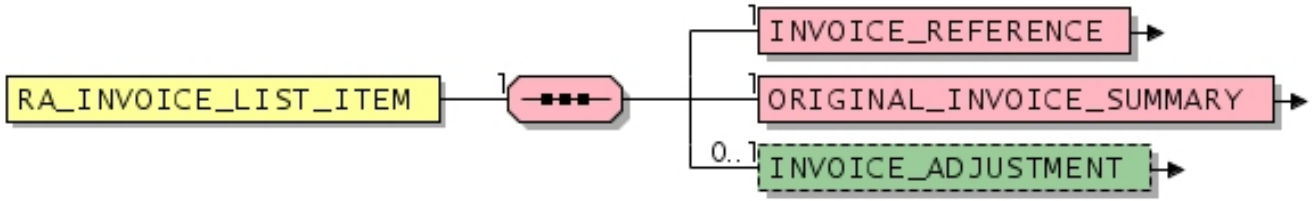
RA_INVOICE_LIST_ITEM

(Invoice summary)

Summary (original and if applicable correction) and reference to an invoice of a group of invoices.

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Invoice reference	**INVOICE_REFERENCE - type**	Mandatory	Single	Information according to the invoice reference	-	-	-	-	20v2
Summary of the original invoice	**ORIGINAL_INVOICE_ SUMMARY**	Mandatory	Single	Summary of the original invoice	-	-	-	-	20v2
Invoice correction	**INVOICE_ADJUSTMENT**	Optional	Single	Correction of an invoice within the scope of a remittance advice	-	-	-	-	20v2

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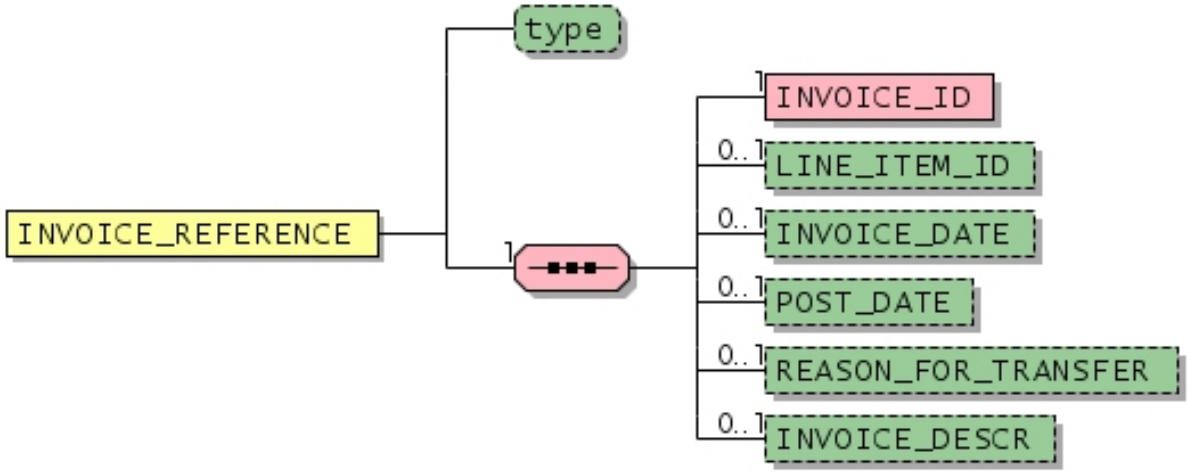
INVOICE_REFERENCE

(Invoice reference)

The element contains a reference to an invoice of invoice line item. If a (complete) invoice is referenced the sub-element **LINE_ITEM_ID** should not be specified.

New element



General

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

Attributes

Designation	Attribute name	Mandatory/ optional	Explanation	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
Invoice type	type	Optional	Specifies the type of the referenced business document (invoice or invoice list). New attribute See also: **Permitted values for attribute "type"**	invoice	**dtSTRING**	20	-	20v3

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Permitted values for attribute "type"

Designation	Attribute value	Explanation	l.chg. in ver.
Invoice	**invoice**	A business document of the type (**INVOICE**) is referenced	20v3
Invoice list	invoicelist	A business document of the type (**INVOICELIST**) is referenced	20v3
	credit_memo		-

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Invoice number	**INVOICE_ID**	Mandatory	Single	Unique invoice number of the supplier	-	**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
Invoice date	**INVOICE_DATE**	Optional	Single	Dates of the invoice. In case of a credit card statement, **INVOICE_DATE** is the charge-date (the date, when the transaction occured). Description extended. This is related to invoices within invoicelists.	-	**dtDATETIME**	-	-	21
Post date	**POST_DATE**	Optional	Single	The post date specifies the date, that the transaction was debited or credited to your account. New element **Example** This example realizes the BMEcat-datatype **dtDATETIME** (including time-zone). `<POST_DATE>2009-05-11T10:00:00+01:00</POST_DATE>`	-	**dtDATETIME**	-	-	21
Intended purpose	**REASON_FOR_TRANSFER**	Optional	Single	Intended purpose especially regarding financial transactions and particularly bank transfers New element	-	**dtSTRING**	140	-	20v2
Description of the invoice	**INVOICE_DESCR**	Optional	Single	Textual description of the invoice New element	-	**dtMLSTRING**	300	Yes	20v1

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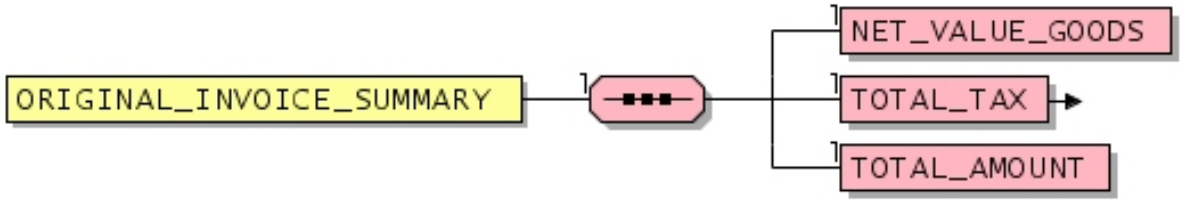
ORIGINAL_INVOICE_SUMMARY

(Summary of the original invoice)

Summary of the original invoice

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Net value	**NET_VALUE_GOODS**	Mandatory	Single	Total amout of all items in this invoice excluding taxes New element Description adapted to a more comprehensible one	-	**dtNUM-BER**	-	-	21
Total taxes	**TOTAL_TAX**	Mandatory	Single	List of the tax amount	-	-	-	-	20v1
Total amount	**TOTAL_AMOUNT**	Mandatory	Single	Total amount covering all items in this business document. Changed definition: Gross price including surcharges, deductions and all taxes. Where no price per item can be given as the item level (e.g. bills of materials where explosion is not possible), the total price can be entered here. Changed definition	-	**dtNUM-BER**	-	-	20

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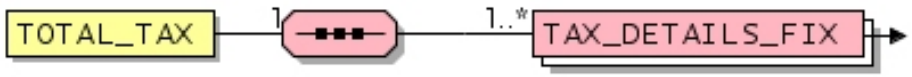
TOTAL_TAX

(Total taxes)

List of all applied taxes (summed up per tax)

New element



General

Used in	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
ADJUSTED_INVOICE_SUMMARY, **ORIGINAL_INVOICE_SUMMARY**	-	-	-	-	20v1

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Tax details	**TAX_DETAILS_FIX**	Mandatory	Multiple	Information to an applied tax	-	-	-	-	20v1

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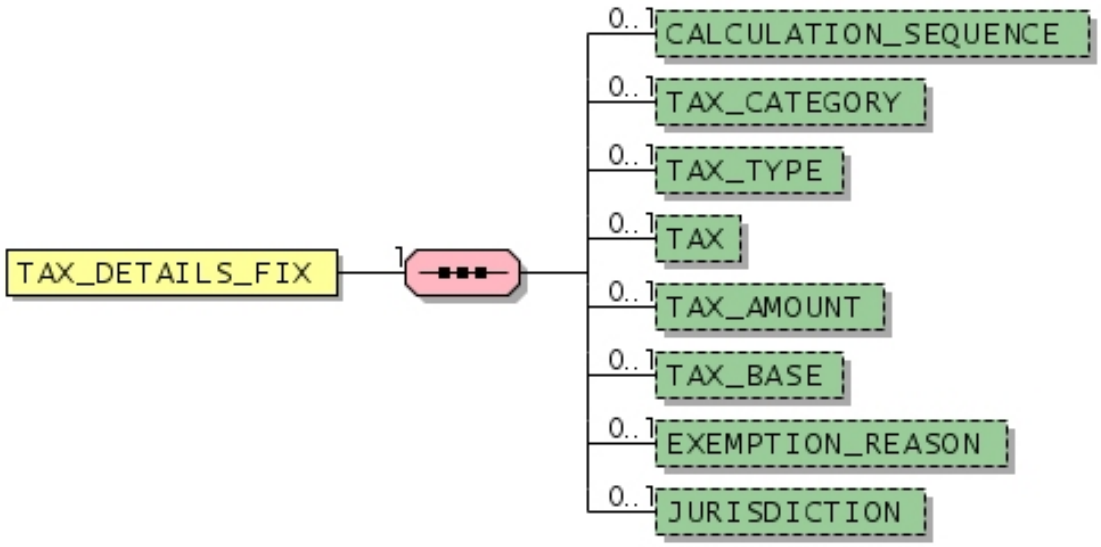
TAX_DETAILS_FIX

(Tax details)

This element contains information of one applicable tax.

New element



General

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

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Elements

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

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Elements

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

Predefined values for element TAX_CATEGORY

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

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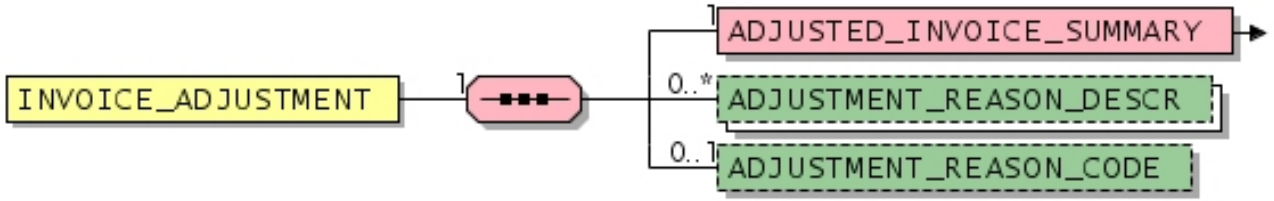
INVOICE_ADJUSTMENT

(Invoice correction)

Correction of an invoice within the scope of a remittance advice

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Adjusted invoice summary	**ADJUSTED_INVOICE_SUMMARY**	Mandatory	Single	Total amount, net value and taxes of the revised invoice	-	-	-	-	20v2
Reason for adjustment	**ADJUSTMENT_REASON_DESCR**	Optional	Multiple	Textual description for the reason of the adjustment. New element	-	**dtMLSTRING**	-	-	20v2
Adjustment reason	**ADJUSTMENT_REASON_CODE**	Optional	Single	Coded reason for the adjustment. New element	-	**dtADJUSTMENT_REASON_CODES**	-	-	20v2

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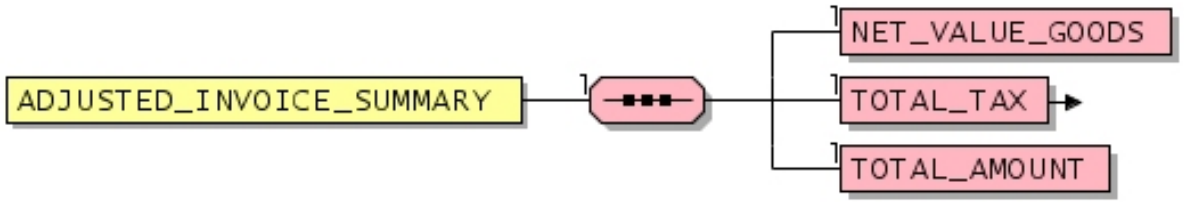
ADJUSTED_INVOICE_SUMMARY

(Adjusted invoice summary)

Total amount, net value and taxes of the revised invoice.

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Net value	**NET_VALUE_GOODS**	Mandatory	Single	Total amout of all items in this invoice excluding taxes New element Description adapted to a more comprehensible one	-	**dtNUM-BER**	-	-	21
Total taxes	**TOTAL_TAX**	Mandatory	Single	List of the tax amount	-	-	-	-	20v1
Total amount	**TOTAL_AMOUNT**	Mandatory	Single	Total amount covering all items in this business document. Changed definition: Gross price including surcharges, deductions and all taxes. Where no price per item can be given as the item level (e.g. bills of materials where explosion is not possible), the total price can be entered here. Changed definition	-	**dtNUM-BER**	-	-	20

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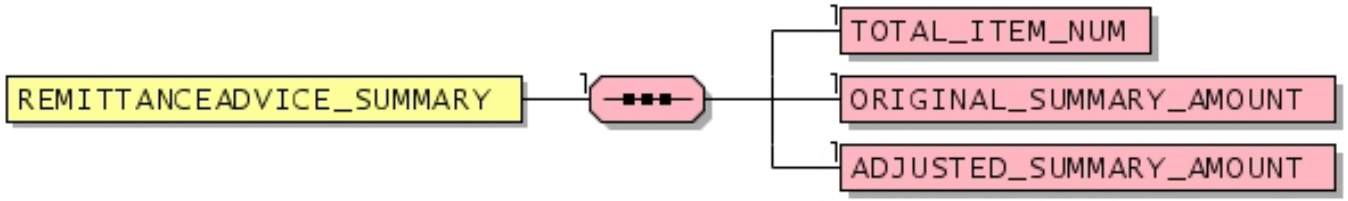
REMITTANCEADVICE_SUMMARY

(Summary)

Summary of the payment advice information like the number of item lines and the total amount. Usually the information in this element is redundant.

New element



General

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

Elements

Designation	Element name	Mandatory/ Optional	Single/ Multiple	Explanation	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
Number of item lines	**TOTAL_ITEM_NUM**	Mandatory	Single	Contains the total number of item lines in the business document. The information is redundant and is for the purposes of statistical evaluation (e.g. by an intermediary) if appropriate.	-	**dtCOUNT**	-	-	2.0
Aggregated original invoice total amounts	**ORIGINAL_SUMMARY_AMOUNT**	Mandatory	Single	Aggregated total amount of all original invoices to a remittee New element	-	**dtNUMBER**	-	-	20v2
Adjusted invoice total amount	**ADJUSTED_SUMMARY_AMOUNT**	Mandatory	Single	Sum of all single payment advices related to a remittee, that means it is the sum of all adjusted amounts. New element	-	**dtNUMBER**	-	-	20v2

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Index

ACADEMIC_TITLE . . . 38
ACCOUNT . . . 46
ACCOUNTING_INFO . . . 93
ADDRESS . . . 32
ADDRESS_REMARKS . . . 35
ADJUSTED_INVOICE_SUMMARY . . . 111
ADJUSTED_SUMMARY_AMOUNT . . . 112
ADJUSTMENT_REASON_CODE . . . 110
ADJUSTMENT_REASON_DESCR . . . 110
ALLOW_OR_CHARGE . . . 86
ALLOW_OR_CHARGES_FIX . . . 84
ALLOW_OR_CHARGES_TOTAL_AMOUNT . . . 84
ALLOW_OR_CHARGE_BASE . . . 87
ALLOW_OR_CHARGE_DESCR . . . 87
ALLOW_OR_CHARGE_NAME . . . 87
ALLOW_OR_CHARGE_SEQUENCE . . . 87
ALLOW_OR_CHARGE_TYPE . . . 87
ALLOW_OR_CHARGE_VALUE . . . 90
AOC_ADDITIONAL_ITEMS . . . 91
AOC_MONETARY_AMOUNT . . . 90
AOC_ORDER_UNITS_COUNT . . . 92
AOC_PERCENTAGE_FACTOR . . . 90
AUTHENTIFICATION . . . 45
BANK_ACCOUNT . . . 48
BANK_CODE . . . 50
BANK_COUNTRY . . . 47
BANK_NAME . . . 47
BOXNO . . . 34
BUYER_IDREF . . . 73
CALCULATION_SEQUENCE . . . 108
CARD . . . 77
CARD_AUTH_CODE . . . 78
CARD_EXPIRATION_DATE . . . 78
CARD_HOLDER_NAME . . . 78
CARD_NUM . . . 78
CARD_REF_NUM . . . 78
CASH . . . 76
CENTRAL_REGULATION . . . 76
CHECK . . . 76
CITY . . . 34
CONTACT_DESCR . . . 38
CONTACT_DETAILS . . . 37
CONTACT_ID . . . 38
CONTACT_NAME . . . 38
CONTACT_ROLE . . . 40
CONTROL_INFO . . . 17
COST_ACCOUNT . . . 93
COST_CATEGORY_ID . . . 94
COST_TYPE . . . 93
COUNTRY . . . 34
COUNTRY_CODED . . . 35
CURRENCY . . . 21
DAYS . . . 82
DEBIT . . . 76
DEPARTMENT . . . 34
DISCOUNT_FACTOR . . . 83
DOCEXCHANGE_PARTIES_REFERENCE . . . 70
DOCUMENT_ISSUER_IDREF . . . 71
DOCUMENT_RECIPIENT_IDREF . . . 72
EMAIL . . . 43
EMAILS . . . 43
EXEMPTION_REASON . . . 108
FAX . . . 42
FILE_HASH_VALUE . . . 59
FILE_NAME . . . 62
FILE_SIZE . . . 62
FIRST_NAME . . . 38
GENERATION_DATE . . . 17
GENERATOR_INFO . . . 17
HEADER_UDX . . . 23
HOLDER . . . 46
INVOICE_ADJUSTMENT . . . 110
INVOICE_DATE . . . 104
INVOICE_DESCR . . . 104
INVOICE_ID . . . 104
INVOICE_ISSUER_IDREF . . . 66
INVOICE_RECIPIENT_IDREF . . . 68
INVOICE_REFERENCE . . . 103
ITEM_UDX . . . 100
JURISDICTION . . . 109
LANGUAGE . . . 24
LINE_ITEM_ID . . . 99
LOGIN . . . 45
MIME . . . 53
MIME_ALT . . . 54
MIME_DATA . . . 63
MIME_DESCR . . . 54
MIME_EMBEDDED . . . 61
MIME_INFO . . . 51
MIME_ORDER . . . 55
MIME_PURPOSE . . . 55
MIME_ROOT . . . 20
MIME_SOURCE . . . 54
MIME_TYPE . . . 54
NAME . . . 34
NAME2 . . . 34

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NAME3 . . . 34
NET_VALUE_GOODS . . . 105
ORIGINAL_INVOICE_SUMMARY . . . 105
ORIGINAL_SUMMARY_AMOUNT . . . 99
PARTIES . . . 25
PARTY . . . 26
PARTY_ID . . . 31
PARTY_ROLE . . . 27
PASSWORD . . . 45
PAYER_IDREF . . . 64
PAYMENT . . . 75
PAYMENT_DATE . . . 82
PAYMENT_TERM . . . 81
PAYMENT_TERMS . . . 79
PHONE . . . 41
POST_DATE . . . 104
PUBLIC_KEY . . . 44
RA_INVOICE_LIST . . . 101
RA_INVOICE_LIST_ITEM . . . 102
REASON_FOR_TRANSFER . . . 20
REMARKS . . . 95
REMITTANCEADVICE . . . 14
REMITTANCEADVICE_DATE . . . 20
REMITTANCEADVICE_HEADER . . . 16
REMITTANCEADVICE_ID . . . 20
REMITTANCEADVICE_INFO . . . 18
REMITTANCEADVICE_ITEM . . . 98
REMITTANCEADVICE_ITEM_LIST . . . 97
REMITTANCEADVICE_SUMMARY . . . 112
REMITTANCEADVICE_TYPE . . . 20
REMITTEE_IDREF . . . 65
STATE . . . 34
STOP_AUTOMATIC_PROCESSING . . . 17
STREET . . . 34
SUPPLIER_IDREF . . . 74
TAX . . . 108
TAX_AMOUNT . . . 108
TAX_BASE . . . 108
TAX_CATEGORY . . . 108
TAX_DETAILS_FIX . . . 107
TAX_NUMBER . . . 35
TAX_TYPE . . . 108
TERMS_AND_CONDITIONS . . . 22
TIME_FOR_PAYMENT . . . 82
TITLE . . . 38
TOTAL_AMOUNT . . . 105
TOTAL_ITEM_NUM . . . 99
TOTAL_TAX . . . 106
URL . . . 39
VALUE_DATE . . . 79
VAT_ID . . . 35
ZIP . . . 34
ZIPBOX . . . 34

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Annex

Basic data types

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

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

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

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

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Enumeration data types

Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
binary coded data	base64Binary	This data type is used to transport a encoded file in openTRANS-XML-files. The file is not refered by links but included in the XML-document. The file must be encoded according to the 'base64'-method. Further information can be found on **http://www.ietf.org/rfc/rfc2045.txt**. This data type is provided by the w3c and you can find further information on the embedding of files in XML-files at **http://www.w3.org/TR/xml-media-types/**. New data type	Describing Media Content of Binary Data in XML - W3C Working Group Note 4 May 2005 **http://www.w3.org/TR/xml-media-types/**		20v3
Codes for changing reasons	dtADJUSTMENT_REASON_CODES	Codes for changing reasons: this enumeration includes allowed codes for changing reasons New data type **Example:** 19 (Trade discount)	UN/EDIFACT Data Element Directory Version D.08A Element 4465 "Adjustment reason description code" **http://www.unece.org/trade/untdid/d08a/tred/tred4465.htm**	maximal 3 characters	20v3
Country codes	dtCOUNTRIES	Country codes to indicate areas of availability (**TERRITORY**). The country subdivision codes can be used to subdivide country codes further, for example into regions. **Examples:** DE (Germany); US (USA) DE-NW (North-Rhine Westphalia in Germany) DK-025 (Roskilde Administrative District in Denmark)	ISO 3166-1 Country codes **http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm**	6 characters	-
Currency codes	dtCURRENCIES	Currency codes to indicate currencies **Examples:** EUR (Euro); USD (US Dollar)	ISO 4217:1995 Currency codes [ISO-4217:1995] **http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm** Since 1997 the code "EUR" instead of "XEU" has been in place for Euro. This is proscribed as the official code ISO 4217:2000. It is therefore urgently recommended that "EUR" be used as code for Euro.	3 characters	-

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Designation	Data type name	Explanation	Underlying standards	Format	l.chg. in ver.
Language codes	dtLANG	Language codes to indicate the language used in texts or pictures **Example:** deu (German)	ISO 639-2:1998 Language code [ISO-639-2:1998] **http://www.loc.gov/standards/iso639-2/php/code_list.php**	3 characters	-

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Special data types

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

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History of changes Version 2005fd

Change	Description of changes
ACADEMIC_TITLE	New element
ACCOUNTING_INFO	New element
ADDRESS	This element has been extended by the following sub-elements: **DEPARTMENT**, **CONTACT_DETAILS**, **VAT_ID**; the sub-element **EMAIL** may occur more than once if the e-mail address comes with an element **PUBLIC_KEY**.
AUTHENTIFICATION	New element
BUYER_IDREF	This new element replaces together with the **PARTY** element the **BUYER** element.
CONTACT_DESCR	New element
CONTACT_DETAILS	New element
CONTACT_ID	New element
CONTACT_NAME	New element
CONTACT_ROLE	New element
COST_ACCOUNT	New element
COST_CATEGORY_ID	New element
COST_TYPE	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
LANGUAGE -->default	New attribute
LOGIN	New 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

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Change	Description of changes
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
REMARKS -->type	New attribute
SUPPLIER_IDREF	This new element together with the **PARTY** replaces the **SUPPLIER** element.
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: **dtDATETYPE**, **dtTIMETYPE** and **dtTIMEZONETYPE**

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History of changes Version 2005

Change	Description of changes
ADDRESS	The sub-elements **PHONE** und **FAX** may occure more than once, due to their type-attribute.
CALCULATION_SEQUENCE	New element
CONTACT_DETAILS	The sub-elements **PHONE** und **FAX** may occure more than once, due to their type-attribute.
CONTACT_ID	The maximum length has been extended from 50 characters to 60 characters.
EXEMPTION_REASON	New element
JURISDICTION	New element
TAX_CATEGORY	New element
TAX_TYPE	New element

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History of changes Version 20v1

Change	Description of changes
ALLOW_OR_CHARGE	New element
ALLOW_OR_CHARGES_FIX	New element
ALLOW_OR_CHARGES_TOTAL_AMOUNT	New element
ALLOW_OR_CHARGE_DESCR	New element
ALLOW_OR_CHARGE_NAME	New element
ALLOW_OR_CHARGE_TYPE	New element
ALLOW_OR_CHARGE_VALUE	New element
AOC_ADDITIONAL_ITEMS	New element
AOC_MONETARY_AMOUNT	New element
AOC_ORDER_UNITS_COUNT	New element
AOC_PERCENTAGE_FACTOR	New element
HEADER_UDX	New element
INVOICE_DESCR	New element
ITEM_UDX	New element
NET_VALUE_GOODS	New element
TAX_DETAILS_FIX	New element
TOTAL_TAX	New element

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History of changes Version 20v2

Change	Description of changes
ADJUSTED_INVOICE_SUMMARY	New element
ADJUSTED_SUMMARY_AMOUNT	New element
ADJUSTMENT_REASON_CODE	New element
ADJUSTMENT_REASON_DESCR	New element
ALLOW_OR_CHARGE_BASE	New element
ALLOW_OR_CHARGE_TYPE =abroad	New value
ALLOW_OR_CHARGE_TYPE =administration	New value
ALLOW_OR_CHARGE_TYPE =bulk_goods	New value
ALLOW_OR_CHARGE_TYPE =cash_discount	New value
ALLOW_OR_CHARGE_TYPE =charge	New value
ALLOW_OR_CHARGE_TYPE =cod	New value
ALLOW_OR_CHARGE_TYPE =customs	New value
ALLOW_OR_CHARGE_TYPE =deposit	New value
ALLOW_OR_CHARGE_TYPE =express	New value
ALLOW_OR_CHARGE_TYPE =freight	New value
ALLOW_OR_CHARGE_TYPE =handling	New value
ALLOW_OR_CHARGE_TYPE =insurance	New value
ALLOW_OR_CHARGE_TYPE =island	New value

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Change	Description of changes
ALLOW_OR_CHARGE_TYPE =material	New value
ALLOW_OR_CHARGE_TYPE =overpacking	New value
ALLOW_OR_CHARGE_TYPE =packing	New value
ALLOW_OR_CHARGE_TYPE =partial_quantity	New value
ALLOW_OR_CHARGE_TYPE =period_bonus	New value
ALLOW_OR_CHARGE_TYPE =postage	New value
ALLOW_OR_CHARGE_TYPE =project_bonus	New value
ALLOW_OR_CHARGE_TYPE =rebate	New value
ALLOW_OR_CHARGE_TYPE =recycling	New value
ALLOW_OR_CHARGE_TYPE =small_order	New value
ALLOW_OR_CHARGE_TYPE =special_work_times	New value
ALLOW_OR_CHARGE_TYPE =toll	New value
BANK_ACCOUNT	New attribut 'type' inserted.
BANK_ACCOUNT -->type	New attribute
BANK_CODE	Added new attribute 'type'.
BANK_CODE -->type	New attribute
FILE_NAME	New element
FILE_SIZE	New element
INVOICE_ADJUSTMENT	New element
INVOICE_ISSUER_IDREF	New element
INVOICE_RECIPIENT_IDREF	New element

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Change	Description of changes
INVOICE_REFERENCE	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 achievment etc.) and 'warranty' (warranty).
MIME_PURPOSE =conformity	New value
MIME_PURPOSE =directions	New value
MIME_PURPOSE =fax_image	New value
MIME_PURPOSE =freehand_sketch	New value
MIME_PURPOSE =manual	New value
MIME_PURPOSE =mounting_guidelines	New value
MIME_PURPOSE =repair_manual	New value
MIME_PURPOSE =service_descr	New value
MIME_PURPOSE =service_record	New value
MIME_PURPOSE =warranty	New value
ORIGINAL_INVOICE_SUMMARY	New element
ORIGINAL_SUMMARY_AMOUNT	New element
PARTY_ROLE	The list of pre-defined values has been extended with 'invoice_issuer' (invoicing party), 'invoice_recipient' (invoice receiving party) and 'deliverer' (transportation party, carrier).
PARTY_ROLE =deliverer	New value
PARTY_ROLE =invoice_issuer	New value
PARTY_ROLE =invoice_recipient	New value
PAYER_IDREF	New element
PAYMENT_DATE	New element
REASON_FOR_TRANSFER	New element

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Change	Description of changes
REMITTANCEADVICE -->version =2.0	New value
REMITTEE_IDREF	New element
TAX_NUMBER	New element

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History of changes Version 20v3

Change	Description of changes
ALLOW_OR_CHARGE -->type	New attribute
ALLOW_OR_CHARGE_TYPE =customization	New value
CENTRAL_REGULATION	New element
CONTACT_DETAILS	**AUTHENTIFICATION** was added as sub-element.
CONTACT_ROLE -->type	The list of pre defined values was extended. New items are 'document_issuer' (intermediator), 'marketplace', 'payer', 'remittee' and 'central_regulator' (regulator for centralized settlement).
DOCEXCHANGE_PARTIES_REFERENCE	New element
DOCUMENT_ISSUER_IDREF	New element
DOCUMENT_RECIPIENT_IDREF	New element
INVOICE_REFERENCE -->type	New attribute
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
RA_INVOICE_LIST	New element

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Change	Description of changes
RA_INVOICE_LIST_ITEM	New element
REMITTANCEADVICE	New element
REMITTANCEADVICE_DATE	New element
REMITTANCEADVICE_HEADER	New element
REMITTANCEADVICE_ID	New element
REMITTANCEADVICE_INFO	New element
REMITTANCEADVICE_ITEM	New element
REMITTANCEADVICE_ITEM_LIST	New element
REMITTANCEADVICE_SUMMARY	New element
REMITTANCEADVICE_TYPE	New element
base64Binary	New data type
dtADJUSTMENT_REASON_CODES	New data type

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History of changes Version 20fd

Change	Description of changes
ACCOUNT	The sub-element **PAYMENT_TERM** was deferred to the element **PAYMENT_TERMS**.
BANK_ACCOUNT	New attribut 'standard' inserted.
CASH	The Sub-element **PAYMENT_TERM** was moved to the element **PAYMENT_TERMS**.
CHECK	The sub-element **PAYMENT_TERM** was moved to the element **PAYMENT_TERMS**.
DAYS	New element
DEBIT	The sub-element **PAYMENT_TERM** was moved to **PAYMENT_TERMS**.
DISCOUNT_FACTOR	New element
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
PAYMENT_TERMS	New element
TAX_BASE	New element
TIME_FOR_PAYMENT	New element
VALUE_DATE	New element

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History of changes Version 20

Change	Description of changes
ADDRESS	The sub-element **CONTACT_DETAILS** was accidently deleted in the draft version and is now inserted again.
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
REMITTANCEADVICE_INFO	Fore processing improvement reasons the sorting of the elements has been changed.
TOTAL_AMOUNT	Changed definition

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History of changes Version 21fd

Change	Description of changes
ACCOUNT	Example added.
ADDRESS	Example adapted.
ALLOW_OR_CHARGES_FIX	Example added.
CARD	Subelements CARD_TYPE and CARD_OTHER replaced by the type-attribute of CARD. A list of available values was added. Example added.
CARD -->type	New attribute
CONTACT_DETAILS	Changed sub-element **CONTACT_ID** to optional. Example added.
FILE_HASH_VALUE	A list of available values was added. Example added.
MIME	Examples adapated.
MIME_TYPE	The element is now mandatory. The receipient can now better process the incoming data since the format is always known.
PARTY	Example added.
PARTY_ROLE	The list of pre-defined values has been extended with 'TrustedThirdParty'.
PARTY_ROLE =trustedthirdparty	New value

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History of changes Version 21

Change	Description of changes
ALLOW_OR_CHARGE	Description more detailed.
INVOICE_DATE	Description extended. This is related to invoices within invoicelists.
NET_VALUE_GOODS	Description adapted to a more comprehensible one
PAYMENT_TERMS	Example added.
POST_DATE	New element
TIME_FOR_PAYMENT	Example changed and additional example added.
VALUE_DATE	The description of VALUE_DATE has been extended and an example has been added.

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Overview of elements - order by appearance

Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	**REMITTANCEADVICE**	-	-	-	-	20v3
1	|_ SEQUENCE	-	-	-	-	-
1	| |_ **REMITTANCEADVICE_HEADER**	-	-	-	-	20v3
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	| | | |_ **REMITTANCEADVICE_INFO**	-	-	-	-	20
1	| | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | |_ **REMITTANCEADVICE_ID**	-	**dtSTRING**	250	-	20v3
1	| | | | | |_ **REMITTANCEADVICE_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | |_ **REASON_FOR_TRANSFER**	-	**dtSTRING**	140	-	20v2
0..1	| | | | | |_ **REMITTANCEADVICE_TYPE**	-	**dtSTRING**	20	-	20v3
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

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

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1	| | | | | |_ **REMITTEE_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | |_ **INVOICE_ISSUER_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | |_ **INVOICE_RECIPIENT_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | |_ **DOCEXCHANGE_PARTIES_REFERENCE**	-	-	-	-	20v3
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | |_ **DOCUMENT_ISSUER_IDREF**	-	**dtSTRING**	250	-	20v3
0..*	| | | | | | | |_ **DOCUMENT_RECIPIENT_IDREF**	-	**dtSTRING**	250	-	20v3
0..1	| | | | | |_ **BUYER_IDREF**	-	**dtSTRING**	250	-	2005fd
0..1	| | | | | |_ **SUPPLIER_IDREF**	-	**dtSTRING**	250	-	2005fd
1	| | | | | |_ **CURRENCY**	-	**dtCURRENCIES**	-	-	-
0..1	| | | | | |_ **PAYMENT**	-	-	-	-	2.0
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | |_ **CARD**	-	-	-	-	21fd
1	| | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | |_ **CARD_NUM**	-	**dtSTRING**	16	-	2.0
0..1	| | | | | | | | | | |_ **CARD_AUTH_CODE**	-	**dtSTRING**	10	-	2.0
0..1	| | | | | | | | | | |_ **CARD_REF_NUM**	-	**dtSTRING**	50	-	2.0
1	| | | | | | | | | | |_ **CARD_EXPIRATION_DATE**	-	**dtDATETIME**	-	-	2005fd
1	| | | | | | | | | | |_ **CARD_HOLDER_NAME**	-	**dtSTRING**	50	-	2.0
1..*	| | | | | | | | | |_ **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
1	| | | | | | | | | |_ **DEBIT**	-	**dtBOOLEAN**	-	-	20fd
1	| | | | | | | | | |_ **CHECK**	-	**dtBOOLEAN**	-	-	20fd
1	| | | | | | | | | |_ **CASH**	-	**dtBOOLEAN**	-	-	20fd
0..1	| | | | | | | | |_ **CENTRAL_REGULATION**	false	**dtBOOLEAN**	-	-	20v3
0..1	| | | | | | | | |_ **PAYMENT_TERMS**	-	-	-	-	21
0..1	| | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..*	| | | | | | | | | | |_ **PAYMENT_TERM**	-	**dtSTRING**	250	-	2.0
0..*	| | | | | | | | | | |_ **TIME_FOR_PAYMENT**	-	-	-	-	21
1	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | | | | |_ **PAYMENT_DATE**	-	**dtDATETIME**	-	-	2005fd
1	| | | | | | | | | | | | | |_ **DAYS**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
0..1	| | | | | | | | | | | | | |_ **DISCOUNT_FACTOR**	-	**dtFLOAT**	-	-	20fd
0..1	| | | | | | | | | | | | | |_ **ALLOW_OR_CHARGES_FIX**	-	-	-	-	21fd
1	| | | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE**	-	-	-	-	21
1	| | | | | | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_SEQUENCE**	-	**dtCOUNT**	-	-	2005fd
0..1	| | | | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_NAME**	-	**dtMLSTRING**	80	Yes	20v1

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	| | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_TYPE**	-	**dtSTRING**	30	-	20v1
0..1	| | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_DESCR**	-	**dtMLSTRING**	250	Yes	20v1
0..1	| | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_VALUE**	-	-	-	-	20v1
1	| | | | | | | | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | | | | | | | |_ **AOC_PERCENTAGE_FACTOR**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | | | | |_ **AOC_MONETARY_AMOUNT**	-	**dtFLOAT**	-	-	20v1
1	| | | | | | | | | | | | | | | | |_ **AOC_ORDER_UNITS_COUNT**	-	-	-	-	20v1
1	| | | | | | | | | | | | | | | | |_ **AOC_ADDITIONAL_ITEMS**	-	**dtSTRING**	250	-	20v1
0..1	| | | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGE_BASE**	-	**dtFLOAT**	-	-	20v2
0..1	| | | | | | | | | | | | | | |_ **ALLOW_OR_CHARGES_TOTAL_AMOUNT**	-	**dtFLOAT**	-	-	20v1
0..1	| | | | | | | | | | |_ **VALUE_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | |_ **PAYMENT_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	| | | | | |_ **TERMS_AND_CONDITIONS**	-	**dtSTRING**	250	-	2.0
0..1	| | | | | |_ **ACCOUNTING_INFO**	-	-	-	-	2005fd
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | |_ **COST_CATEGORY_ID**	-	**dtSTRING**	64	-	2005fd
0..1	| | | | | | | |_ **COST_TYPE**	-	**dtSTRING**	64	-	2005fd
0..1	| | | | | | | |_ **COST_ACCOUNT**	-	**dtSTRING**	64	-	2005fd
0..1	| | | | | |_ **MIME_INFO**	-	-	-	-	-
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **MIME**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | |_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1	| | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..1	| | | | | | | | | | | |_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..*	| | | | | | | | | | | |_ **FILE_HASH_VALUE**	-	**dtSTRING**	100	-	21fd
1..*	| | | | | | | | | | |_ **MIME_EMBEDDED**	-	-	-	-	20v2
1	| | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | |_ **MIME_DATA**	-	**base64Binary**	-	-	20v3
0..1	| | | | | | | | | | | | |_ **FILE_NAME**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | | | | | | |_ **FILE_SIZE**	-	**dtCOUNT**	-	-	20v2
0..1	| | | | | | | | | | |_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	| | | | | | | | | | |_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | |_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	20v3
0..1	| | | | | | | | | | |_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..*	| | | | | |_ **REMARKS**	-	**dtMLSTRING**	64000	Yes	-
0..1	| | | | | |_ **HEADER_UDX**	-	**udxHEADER**	-	-	20v1
1	| |_ **REMITTANCEADVICE_ITEM_LIST**	-	-	-	-	20v3
1	| | |_ SEQUENCE	-	-	-	-	-
1..*	| | | |_ **REMITTANCEADVICE_ITEM**	-	-	-	-	20v3
1	| | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | |_ **LINE_ITEM_ID**	-	**dtSTRING**	50	-	2.0
0..1	| | | | | |_ **INVOICE_ISSUER_IDREF**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | |_ **INVOICE_RECIPIENT_IDREF**	-	**dtSTRING**	250	-	20v2
1	| | | | | |_ **RA_INVOICE_LIST**	-	-	-	-	20v3
1	| | | | | | |_ SEQUENCE	-	-	-	-	-

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
1..*	|_ **RA_INVOICE_LIST_ITEM**	-	-	-	-	20v3
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **INVOICE_REFERENCE**	-	-	-	-	20v2
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **INVOICE_ID**	-	**dtSTRING**	250	-	2.0
0..1	|_ **LINE_ITEM_ID**	-	**dtSTRING**	50	-	2.0
0..1	|_ **INVOICE_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	|_ **POST_DATE**	-	**dtDATETIME**	-	-	2005fd
0..1	|_ **REASON_FOR_TRANSFER**	-	**dtSTRING**	140	-	20v2
0..1	|_ **INVOICE_DESCR**	-	**dtMLSTRING**	300	Yes	20v1
1	|_ **ORIGINAL_INVOICE_SUMMARY**	-	-	-	-	20v2
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **NET_VALUE_GOODS**	-	**dtNUMBER**	-	-	21
1	|_ **TOTAL_TAX**	-	-	-	-	20v1
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **TAX_DETAILS_FIX**	-	-	-	-	20v1
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **CALCULATION_SEQUENCE**	1	**dtCOUNT**	-	-	2005fd
0..1	|_ **TAX_CATEGORY**	-	**dtSTRING**	80	-	2005
0..1	|_ **TAX_TYPE**	vat	**dtSTRING**	250	-	2005
0..1	|_ **TAX**	-	**dtNUMBER**	-	-	-
0..1	|_ **TAX_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	|_ **TAX_BASE**	-	**dtNUMBER**	-	-	20fd
0..1	|_ **EXEMPTION_REASON**	-	**dtMLSTRING**	250	Yes	2005
0..1	|_ **JURISDICTION**	-	**dtMLSTRING**	250	Yes	2005
1	|_ **TOTAL_AMOUNT**	-	**dtNUMBER**	-	-	20
0..1	|_ **INVOICE_ADJUSTMENT**	-	-	-	-	20v2
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **ADJUSTED_INVOICE_SUMMARY**	-	-	-	-	20v2
1	|_ SEQUENCE	-	-	-	-	-
1	|_ **NET_VALUE_GOODS**	-	**dtNUMBER**	-	-	21
1	|_ **TOTAL_TAX**	-	-	-	-	20v1
1	|_ SEQUENCE	-	-	-	-	-
1..*	|_ **TAX_DETAILS_FIX**	-	-	-	-	20v1
1	|_ SEQUENCE	-	-	-	-	-
0..1	|_ **CALCULATION_SEQUENCE**	1	**dtCOUNT**	-	-	2005fd
0..1	|_ **TAX_CATEGORY**	-	**dtSTRING**	80	-	2005
0..1	|_ **TAX_TYPE**	vat	**dtSTRING**	250	-	2005
0..1	|_ **TAX**	-	**dtNUMBER**	-	-	-
0..1	|_ **TAX_AMOUNT**	-	**dtNUMBER**	-	-	-
0..1	|_ **TAX_BASE**	-	**dtNUMBER**	-	-	20fd
0..1	|_ **EXEMPTION_REASON**	-	**dtMLSTRING**	250	Yes	2005
0..1	|_ **JURISDICTION**	-	**dtMLSTRING**	250	Yes	2005
1	|_ **TOTAL_AMOUNT**	-	**dtNUMBER**	-	-	20
0..*	|_ **ADJUSTMENT_REASON_DESCR**	-	**dtMLSTRING**	-	-	20v2
0..1	|_ **ADJUSTMENT_REASON_CODE**	-	**dtADJUSTMENT_RE-ASON_CODES**	-	-	20v3

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Amount	Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
0..1	| | | | | |_ **TOTAL_ITEM_NUM**	-	**dtCOUNT**	-	-	2005fd
1	| | | | | |_ **TOTAL_AMOUNT**	-	**dtNUMBER**	-	-	20
0..1	| | | | | |_ **ORIGINAL_SUMMARY_AMOUNT**	-	**dtNUMBER**	-	-	20v2
0..1	| | | | | |_ **MIME_INFO**	-	-	-	-	-
1	| | | | | | |_ SEQUENCE	-	-	-	-	-
1..*	| | | | | | | |_ **MIME**	-	-	-	-	21fd
1	| | | | | | | | |_ SEQUENCE	-	-	-	-	-
0..1	| | | | | | | | | |_ **MIME_TYPE**	-	**dtSTRING**	30	-	21fd
1	| | | | | | | | | |_ CHOICE	-	-	-	-	-
1	| | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1..1	| | | | | | | | | | | |_ **MIME_SOURCE**	-	**dtMLSTRING**	255	Yes	-
0..*	| | | | | | | | | | | |_ **FILE_HASH_VALUE**	-	**dtSTRING**	100	-	21fd
1..*	| | | | | | | | | | | |_ **MIME_EMBEDDED**	-	-	-	-	20v2
1	| | | | | | | | | | | | |_ SEQUENCE	-	-	-	-	-
1	| | | | | | | | | | | | | |_ **MIME_DATA**	-	**base64Binary**	-	-	20v3
0..1	| | | | | | | | | | | | | |_ **FILE_NAME**	-	**dtSTRING**	250	-	20v2
0..1	| | | | | | | | | | | | | |_ **FILE_SIZE**	-	**dtCOUNT**	-	-	20v2
0..1	| | | | | | | | | | |_ **MIME_DESCR**	-	**dtMLSTRING**	250	Yes	-
0..1	| | | | | | | | | | |_ **MIME_ALT**	-	**dtMLSTRING**	80	Yes	2005fd
0..1	| | | | | | | | | | |_ **MIME_PURPOSE**	-	**dtSTRING**	20	-	20v3
0..1	| | | | | | | | | | |_ **MIME_ORDER**	-	**dtINTEGER**	-	-	-
0..*	| | | | | |_ **REMARKS**	-	**dtMLSTRING**	64000	Yes	-
0..1	| | | | | |_ **ITEM_UDX**	-	**udxITEM**	-	-	20v1
1	| |_ **REMITTANCEADVICE_SUMMARY**	-	-	-	-	20v3
1	| | |_ SEQUENCE	-	-	-	-	-
1	| | | |_ **TOTAL_ITEM_NUM**	-	**dtCOUNT**	-	-	2005fd
1	| | | |_ **ORIGINAL_SUMMARY_AMOUNT**	-	**dtNUMBER**	-	-	20v2
1	| | | |_ **ADJUSTED_SUMMARY_AMOUNT**	-	**dtNUMBER**	-	-	20v2

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Overview of elements - alphabetical order

Element name	Default value	Data type	Field length	Lang. specific	I.chg. in ver.
ACADEMIC_TITLE	-	**dtMLSTRING**	50	Yes	2005fd
ACCOUNT	-	-	-	-	21fd
ACCOUNTING_INFO	-	-	-	-	2005fd
ADDRESS	-	-	-	-	21fd
ADDRESS_REMARKS	-	**dtMLSTRING**	250	Yes	-
ADJUSTED_INVOICE_SUMMARY	-	-	-	-	20v2
ADJUSTED_SUMMARY_AMOUNT	-	**dtNUMBER**	-	-	20v2
ADJUSTMENT_REASON_CODE	-	**dtADJUSTMENT_REASON_CODES**	-	-	20v2
ADJUSTMENT_REASON_DESCR	-	**dtMLSTRING**	-	-	20v2
ALLOW_OR_CHARGE	-	-	-	-	21
ALLOW_OR_CHARGES_FIX	-	-	-	-	21fd
ALLOW_OR_CHARGES_TOTAL_AMOUNT	-	**dtFLOAT**	-	-	20v1
ALLOW_OR_CHARGE_BASE	-	**dtFLOAT**	-	-	20v2
ALLOW_OR_CHARGE_DESCR	-	**dtMLSTRING**	250	Yes	20v1
ALLOW_OR_CHARGE_NAME	-	**dtMLSTRING**	80	Yes	20v1
ALLOW_OR_CHARGE_SEQUENCE	-	**dtCOUNT**	-	-	2.0v1
ALLOW_OR_CHARGE_TYPE	-	**dtSTRING**	30	-	20v1
ALLOW_OR_CHARGE_VALUE	-	-	-	-	20v1
AOC_ADDITIONAL_ITEMS	-	**dtSTRING**	250	-	20v1
AOC_MONETARY_AMOUNT	-	**dtFLOAT**	-	-	20v1
AOC_ORDER_UNITS_COUNT	-	-	-	-	20v1
AOC_PERCENTAGE_FACTOR	-	**dtFLOAT**	-	-	20v1
AUTHENTIFICATION	-	-	-	-	2005fd
BANK_ACCOUNT	-	**dtSTRING**	100	-	20fd

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
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
CALCULATION_SEQUENCE	1	**dtCOUNT**	-	-	2005
CARD	-	-	-	-	21fd
CARD_AUTH_CODE	-	**dtSTRING**	10	-	2.0
CARD_EXPIRATION_DATE	-	**dtDATETIME**	-	-	2.0
CARD_HOLDER_NAME	-	**dtSTRING**	50	-	2.0
CARD_NUM	-	**dtSTRING**	16	-	2.0
CARD_REF_NUM	-	**dtSTRING**	50	-	2.0
CASH	-	**dtBOOLEAN**	-	-	20fd
CENTRAL_REGULATION	false	**dtBOOLEAN**	-	-	20v3
CHECK	-	**dtBOOLEAN**	-	-	20fd
CITY	-	**dtMLSTRING**	50	Yes	-
CONTACT_DESCR	-	**dtMLSTRING**	250	Yes	2005fd
CONTACT_DETAILS	-	-	-	-	21fd
CONTACT_ID	-	**dtSTRING**	60	-	2005
CONTACT_NAME	-	**dtMLSTRING**	50	Yes	2005fd
CONTACT_ROLE	-	**dtMLSTRING**	50	Yes	2005fd
CONTROL_INFO	-	-	-	-	-
COST_ACCOUNT	-	**dtSTRING**	64	-	2005fd
COST_CATEGORY_ID	-	**dtSTRING**	64	-	2005fd
COST_TYPE	-	**dtSTRING**	64	-	2005fd
COUNTRY	-	**dtMLSTRING**	50	Yes	-

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
COUNTRY_CODED	-	**dtCOUNTRIES**	-	-	2005fd
CURRENCY	-	**dtCURRENCIES**	-	-	-
DAYS	-	**dtCOUNT**	-	-	20fd
DEBIT	-	**dtBOOLEAN**	-	-	20fd
DEPARTMENT	-	**dtMLSTRING**	50	Yes	2005fd
DISCOUNT_FACTOR	-	**dtFLOAT**	-	-	20fd
DOCEXCHANGE_PARTIES_REFERENCE	-	-	-	-	20v3
DOCUMENT_ISSUER_IDREF	-	**dtSTRING**	250	-	20v3
DOCUMENT_RECIPIENT_IDREF	-	**dtSTRING**	250	-	20v3
EMAIL	-	**dtSTRING**	255	-	2005fd
EMAILS	-	-	-	-	2005fd
EXEMPTION_REASON	-	**dtMLSTRING**	250	Yes	2005
FAX	-	**dtMLSTRING**	50	Yes	-
FILE_HASH_VALUE	-	**dtSTRING**	100	-	21fd
FILE_NAME	-	**dtSTRING**	250	-	20v2
FILE_SIZE	-	**dtCOUNT**	-	-	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
INVOICE_ADJUSTMENT	-	-	-	-	20v2
INVOICE_DATE	-	**dtDATETIME**	-	-	21
INVOICE_DESCR	-	**dtMLSTRING**	300	Yes	20v1
INVOICE_ID	-	**dtSTRING**	250	-	2.0
INVOICE_ISSUER_IDREF	-	**dtSTRING**	250	-	20v2

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
INVOICE_RECIPIENT_IDREF	-	**dtSTRING**	250	-	20v2
INVOICE_REFERENCE	-	-	-	-	20v2
ITEM_UDX	-	**udxITEM**	-	-	20v1
JURISDICTION	-	**dtMLSTRING**	250	Yes	2005
LANGUAGE	-	**dtLANG**	-	-	-
LINE_ITEM_ID	-	**dtSTRING**	50	-	2.0
LOGIN	-	**dtSTRING**	60	-	2005fd
MIME	-	-	-	-	21fd
MIME_ALT	-	**dtMLSTRING**	80	Yes	2005fd
MIME_DATA	-	**base64Binary**	-	-	20v2
MIME_DESCR	-	**dtMLSTRING**	250	Yes	-
MIME_EMBEDDED	-	-	-	-	20v2
MIME_INFO	-	-	-	-	-
MIME_ORDER	-	**dtINTEGER**	-	-	-
MIME_PURPOSE	-	**dtSTRING**	20	-	20v3
MIME_ROOT	-	**dtMLSTRING**	250	Yes	-
MIME_SOURCE	-	**dtMLSTRING**	255	Yes	-
MIME_TYPE	-	**dtSTRING**	30	-	21fd
NAME	-	**dtMLSTRING**	50	Yes	-
NAME2	-	**dtMLSTRING**	50	Yes	-
NAME3	-	**dtMLSTRING**	50	Yes	-
NET_VALUE_GOODS	-	**dtNUMBER**	-	-	21
ORIGINAL_INVOICE_SUMMARY	-	-	-	-	20v2
ORIGINAL_SUMMARY_AMOUNT	-	**dtNUMBER**	-	-	20v2
PARTIES	-	-	-	-	2005fd
PARTY	-	-	-	-	21fd

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
PARTY_ID	-	**dtSTRING**	250	-	2005fd
PARTY_ROLE	-	**dtSTRING**	20	-	21fd
PASSWORD	-	**dtSTRING**	20	-	2005fd
PAYER_IDREF	-	**dtSTRING**	250	-	20v2
PAYMENT	-	-	-	-	2.0
PAYMENT_DATE	-	**dtDATETIME**	-	-	20v2
PAYMENT_TERM	-	**dtSTRING**	250	-	2.0
PAYMENT_TERMS	-	-	-	-	21
PHONE	-	**dtMLSTRING**	50	Yes	2005fd
POST_DATE	-	**dtDATETIME**	-	-	21
PUBLIC_KEY	-	**dtSTRING**	64000	-	1.2_fd
RA_INVOICE_LIST	-	-	-	-	20v3
RA_INVOICE_LIST_ITEM	-	-	-	-	20v3
REASON_FOR_TRANSFER	-	**dtSTRING**	140	-	20v2
REMARKS	-	**dtMLSTRING**	64000	Yes	-
REMITTANCEADVICE	-	-	-	-	20v3
REMITTANCEADVICE_DATE	-	**dtDATETIME**	-	-	20v3
REMITTANCEADVICE_HEADER	-	-	-	-	20v3
REMITTANCEADVICE_ID	-	**dtSTRING**	250	-	20v3
REMITTANCEADVICE_INFO	-	-	-	-	20
REMITTANCEADVICE_ITEM	-	-	-	-	20v3
REMITTANCEADVICE_ITEM_LIST	-	-	-	-	20v3
REMITTANCEADVICE_SUMMARY	-	-	-	-	20v3
REMITTANCEADVICE_TYPE	-	**dtSTRING**	20	-	20v3
REMITTEE_IDREF	-	**dtSTRING**	250	-	20v2
STATE	-	**dtMLSTRING**	50	Yes	-

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Element name	Default value	Data type	Field length	Lang. specific	l.chg. in ver.
STOP_AUTOMATIC_PROCESSING	-	**dtSTRING**	250	-	2.0_fd
STREET	-	**dtMLSTRING**	50	Yes	-
SUPPLIER_IDREF	-	**dtSTRING**	250	-	2005fd
TAX	-	**dtNUMBER**	-	-	-
TAX_AMOUNT	-	**dtNUMBER**	-	-	-
TAX_BASE	-	**dtNUMBER**	-	-	20fd
TAX_CATEGORY	-	**dtSTRING**	80	-	2005
TAX_DETAILS_FIX	-	-	-	-	20v1
TAX_NUMBER	-	**dtSTRING**	50	-	20v2
TAX_TYPE	vat	**dtSTRING**	250	-	2005
TERMS_AND_CONDITIONS	-	**dtSTRING**	250	-	2.0
TIME_FOR_PAYMENT	-	-	-	-	21
TITLE	-	**dtMLSTRING**	20	Yes	2005fd
TOTAL_AMOUNT	-	**dtNUMBER**	-	-	20
TOTAL_ITEM_NUM	-	**dtCOUNT**	-	-	2.0
TOTAL_TAX	-	-	-	-	20v1
URL	-	**dtSTRING**	255	-	2005fd
VALUE_DATE	-	**dtDATETIME**	-	-	21
VAT_ID	-	**dtSTRING**	50	-	2005fd
ZIP	-	**dtMLSTRING**	20	Yes	-
ZIPBOX	-	**dtMLSTRING**	20	Yes	-

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