Guidelines of Implementation

for

EDIFACT SUBSET

EDITEC

Invoice

Deutscher Großhandelsverband Haustechnik e.V.

ARGE Neue Medien
der deutschen SHK-Industrie e. V.

ITEK

INVOIC / D.96B

Version 3.3 / November 2005
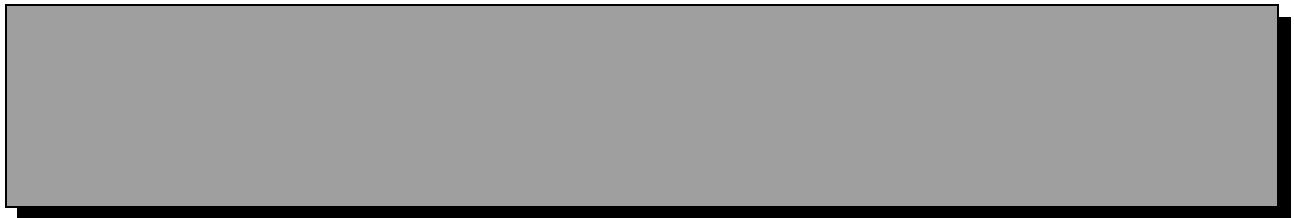
Table of Contents – Subset „Invoice":

1   Introduction

The EDIFACT Subset at hand, concerning the message type „Invoice" was provided by ITEK on behalf of Arbeitsgemeinschaft Neue Medien der deutschen SHK-Industrie e.V. and Deutscher Großhandelsverband Haustechnik e.V.

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The EDIFACT Subset is based on EDIFACT-Syntax-Version 3 and the following public documents:

- EDIFACT – Standardised message type „INVOIC"
- UN/EDIFACT Directory 96 B, UN/ECE/TRADE/WP.4
- EDIFACT Application service segments, draft DIN 16560-Part 1, February 1994
- UN/EDIFACT code list D.97A

Paderborn, November 2005

2   Instructions for Usage

Segment Group 5   **K**

Maximal number of repetitions possible (the mandatory field always refers to the segment and not to the maximal rate of repetitions).

CT   **M**

Segment

Communication Partners
In the CTA Segment, for both sender and recipient, the name of an official in charge responsible for this message may be stated.

Segment

Data element identifier

Segment status (M=Mandatory / K=Optional)

3139   *Is not used in the subset.*

This is a data element which is not used in the subset. However, it is positioned either as a data element on data element group level or within a data element group between two data elements used in the subset. At the state of the implementation, these data elements do not have to be taken into account.

Data element group identifier

Data element group status

Data elementg group designation

DATA ON THE DEPARTMENT OR OFFICIAL IN CHARGE

C   **K**

Data element identifier 3413 within a data element group

Data element-   *Is not used in the subset.*

Data element designation

K   **Department or official in charge**

Alpha-numeric with a maximum length of 35 characters; the articles ".." drop out at fixed length; further on: a=alphabetic and n=numeric.

3

Details on the usage of particular elements in the subset will be given in italics.

Segment Group 5

3   Message Structure Diagram

The following illustration shows the message structure of the subset „Invoice" with segment status and at a maximum rate of repetition.

0

UNAK1   UNBM1   UNHM1   BGMM1

1

SG1K2   SG2K6   SG7K1   SG8K6

DTMM1   FTXK1   RFFM1   NADM1   CUXM1   PATM1

2

SG3K2   SG5K1

DTMK1   RFFM1   CTAM1   DTMK1   PCDK1

0

1

SG25
K9999

LINM1

UNSM1

SG48
M5

MOAM1

2

SG28K1   SG29K8   SG38
K10

PIAK1   IMDK10   QTYK1   ALIK1   GINK1   FTXK1   PRIM1   RFFM1   ALCM1

3

SG40K1   SG41K1

DTMK1   PCDM1   MOAM1

0

UNTM1   UNZM1

1

SG50K1   SG51
K15

TAXM1   ALCM1

2

MOAK1   MOAK1
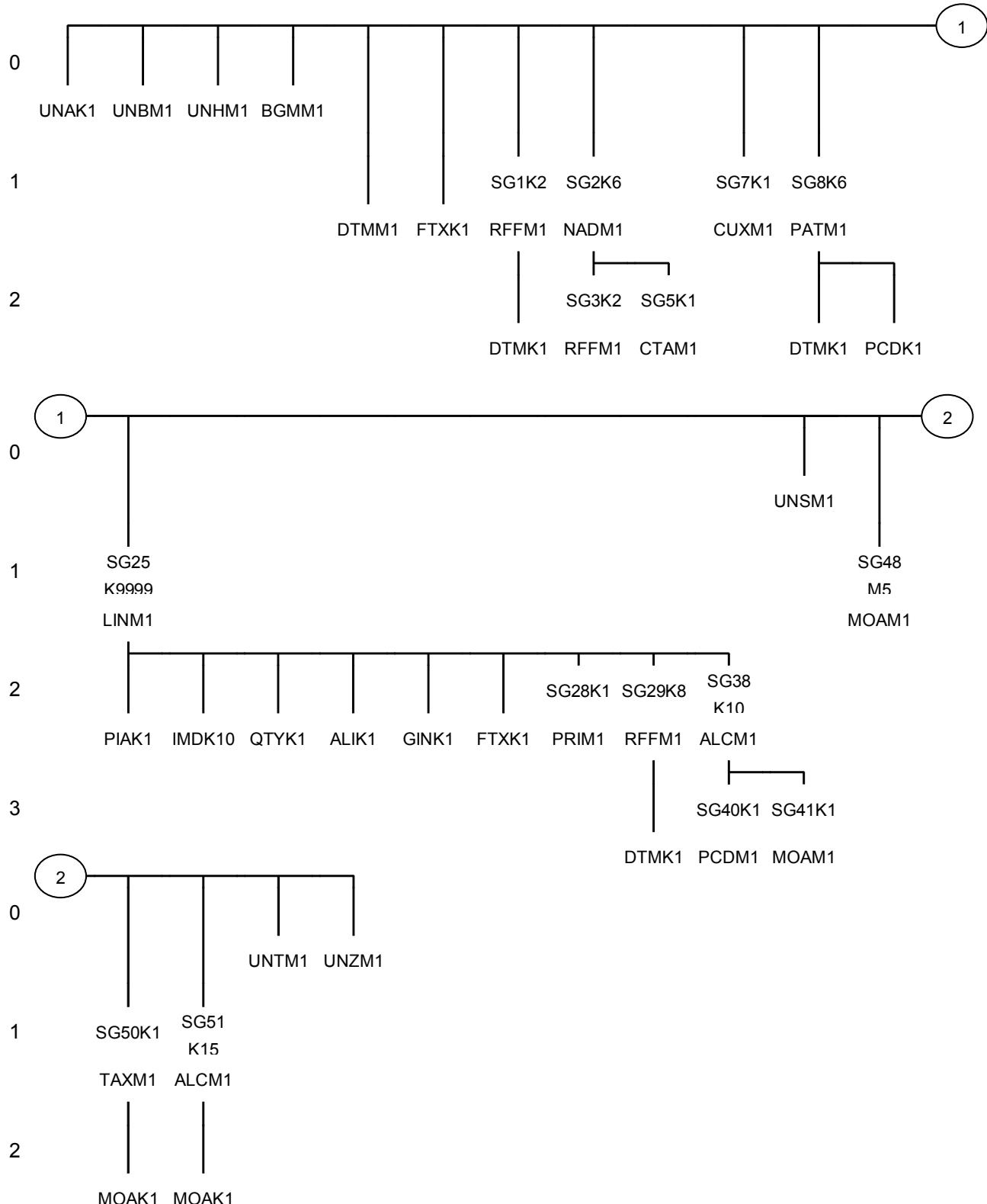
4   Message Structure of the Subset

UNA   K   1   Presetting of Separators

In the UNA-Segment, separators, decimal marks and release indicators are predefined. It is defined only once and applies to the following messages until it is revoked. Consequently, it won't be transferred furthermore.

If needed, value:+,? '

: separates data elements in a data element group

+ separates segment designations, data element groups and
   data elements

, Decimal marker (comma)

? Release indicators, restores the original meaning of the mark that follows the release indicator.

Blank/space, reserved for later applications

' Segment terminator

UNB   M 1   Usage Data Head Segment

The UNB-Segment transfers data concerning syntax, sender/recipient of the interchange file, date and time of its creation, and a data exchange reference. Optionally, a password for the recipient may be included in the transfer as well.

S001   M   SYNTAX-DESIGNATOR

  0001   M a4   Syntax Identifier

Constant value:

„UNOC"	*EDIFACT-Syntax Version C*

  0002   M n1   Syntax Version Number

Constant value:

„3"	*EDIFACT-Syntax Version 3*

S002   M   SENDER OF THE INTERCHANGE FILE

  0004   M an..35   Sender Designation

Sender Identifier (e. g. identification number in Telebox400)

  0007   K an..4   Participant Designation, Qualifier

This data element serves the definite specification of the participants. The following codes are available:

„52"	*Sender IBM/IE User*
„65"	*Sender Telebox400 User*
„ZZZ"	*Sender (other network operators)*

S003   M   RECIPIENT OF THE DATA INTERCHANGE FILE

  0010   M an..35   Recipient Designation

Sender Identifier (e. g. identification number in Telebox400)

0007 K an..4 Participant Designation, Qualifier

This data element serves the definite specification of the participants. The following codes are available:

„52“	*Sender IBM/IE User*
„65“	*Sender Telebox400 User*
„ZZZ“	*Sender (other network operators)*

S004 M DATE/TIME OF CREATION

0017 M n6 Date of Creation

Date of creation of the message by the sender in the format "YYMMTT". (This format is prescribed according to the EDIFACT Usage Guideline for Service Segments).

0019 M n4 Time of Creation

Format: HHMM

0020 M an..14 DATA INTERCHANGE REFERENCE

Number for each communication address (X.400, Provider, ...) and message type, consistently rising in ascending order. The data exchange reference number serves as a plausibility test for the assessment of double transmissions and failed transmissions. This task is being fulfilled by the converter.

S005 K REFERENCE/PASSWORD OF THE RECIPIENT

0022 M AN..14 REFERENCE OR PASSWORD OF THE RECIPIENT

A password permits the access to the network or user system of the recipient. The Sender and recipient may agree upon a password bilaterally.

UNH   M 1   Message Head Segment

In the UNH-Segment, a message is identified definitely. The EDITEC Subset "Invoice" is based on the message type "INVOIC".

0062   M an..14   MESSAGE REFERENCE NUMBER

In each transfer file, every message is consistently numbered in ascending order, beginning with „1". This task is being taken over by the converter.

S009   M   MESSAGE IDENTIFIER

   0065   M an..6   Message Type Identifier

   Constant value:

„INVOIC"	Invoice

   0052   M an..3   Version Number of the Message Type

   Constant value:

„D"	Draft Directory

   0054   M an..3   Release Number of the Message Type

   Constant value:

„96B"	UN/EDIFACT Draft Directory D.96B

   0051   M an..2   Administrative Organisation, encoded

   Constant value:

„UN"	United Nations UN/ECE/TRADE/WP.4

   0057   K an..6   Operational Code of the Organisation in Charge

   Constant value:

„ITEK33"

BGM	M 1	Beginning of Message

In the BGM-Segment, the purpose and name of the message are defined.

C002	K	DOCUMENT/MESSAGE NAME

1001	M** an..3	Document/Message Name, encoded

The following codes are available:

„380"	Invoice	
„381"	Credit note	
„31e"	Service credit note	*
„32e"	Service invoice	*
„33i"	Bonus	*

(* Codes do not correspond to any UN/EDIFACT code list)

Implementation Note:

An individual coordination between sender and recipient will be necessary when dealing with the document types 31e, 32e and 33i. Invoices of the type of 32e refer to services (e. g. customer service Invoices for repair jobs).

1131		*Is not used in the subset.*

3055	K an..3	Administrative Organisation, encoded

Constant value:

„89"	Administrative Organisation ITEK

C106	K	DOCUMENT/MESSAGE IDENTIFICATION
		*1004 M** an..35 Document/Message Number*

Invoice number, credit number or cancellation number of the supplier.

1225	K an..3	MESSAGE FUNCTION, ENCODED

The following codes are available:

„1"	Cancellation
„9"	Original
„31"	Copy

Implementation Note:

In the case of a cancellation(1), the Invoice number respectively the credit number which is to be cancelled, has to be provided in the Segment RFF under AFL.

** Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.
*

DTM   M   1   Date-/Time-/Period Specifications

In the DTM-Segment, the date of the message is transferred.

C507   M   DATE-/TIME-/PERIOD SPECIFICATIONS

2005   M   an..3   Date-/Time-/Period Specifications, Qualifier

Constant value:

„3"   Date of the Invoice or the credit note

2380   K   an..35   Date-/Time-/Period Specifications

Date, formatted as shown in data element 2379.

2379   M[*] an..3   Date-/Time-/Period Specifications, Format, Qualifier

Constant value:

„102" YYYYMMDD

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[*]Implementation Note This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.

FTX	K	10	Free Text

In the FTX-Segment of the head section, a text concerning the whole Invoice or alternatively the credit note may be transferred. If possible, using this segment should be avoided, since this necessitates a manual processing of the message.

4451	M	an..3	TEXT, QUALIFIER

Constant value:

„INV" *Invoice or credit note text*

4453			*IS NOT USED IN THE SUBSET.*

C107			*IS NOT USED IN THE SUBSET.*

C108	K		FREE TEXT
4440	M	an..70	Free Text
4440	K	an..70	Free Text
4440	K	an..70	Free Text
4440	K	an..70	Free Text
4440	K	an..70	Free Text

Segment Group   1   **K   2**

This segment group contains the RFF-Segment and the DTM-Segment. It serves the referencing of the documents to which the Invoice refers to.

RFF   M 1   Reference Data

> *In the RFF-Segment, numbers concerning the documents to which the Invoice refers to are transferred.*

C506   M   REFERENCE DATA

> **1153**   M   an..3   Reference, Qualifier
>
> > *The following codes are available:*

„AFL"	*Invoice number or credit note number (necessary in case of cancellation)*
„AAS"	*Store number*

Implementation Note:

Producer/supplier and customer/wholesaler have to agree upon the store number „AAS" individually and in advance.

1154   K   an..35   REFERENCE NUMBER

> *Reference number, relating to the qualifier chosen in data element 1153.*

DTM   K   1   Date-/Time-/Period Specifications

In the DTM-Segment, the date specifications concerning the documents referenced before are transferred.

C507   M   DATE-/TIME-/PERIOD SPECIFICATIONS

2005   M   an..3   Date-/Time-/Period Data, Qualifier

The following codes are available:

„2"	*Date of delivery*
„3"	*Date of Invoice or credit note*

A delivery date may be taken over onto a delivery note. An invoice date or a credit note date may be taken over onto the referenced Invoice respectively the credit note.

2380   K   an..35 Date-/Time-/Period Specifications

Date, formatted as shown in data element 2379.

2379   K   an..3   Date-/Time-/Period Specifications, Format, Qualifier

Constant value:

„102"	YYYYMMDD

Segment Group 1   End

Segment Group. 2   **M** *   **6**

This segment group contains the NAD-Segment as well as the segment groups 3 and 5. It serves the indication of the partners and locations concerned with the message.

NAD   M   1   Name und Address

In the NAD-Segment, data concerning the identification of the partners involved is transferred as well as important address data.

3035   M   an..3   PARTNERS, QUALIFIER

The following codes are available:

„SU" *Manufacturer (Industry)*	
„WS" *Wholesaler*	
„AB" *Central regulator (ILN or customer number at the supplier's)*	
„ST" *Shipping address*	
„PW" *Place of dispatch(supplier's address for dispatch)*	
„BP" *Building site data / Building object data*	
„IV" *Recipient of Invoice and service*	

C082   K   IDENTIFICATION OF THE PARTNER

3039   M   an..35   Partner Identification Number, encoded

According to the qualifier provided above, the identification number of the partner is indicated here.

1131   *Is not used in the subset.*

3055   K   an..3   Administrative Organisation, encoded

The following codes are available:

„9" *EAN (CCG as the German publisher of the ILN numbers)*	
„ZZZ" *bilaterally agreed upon (customer or supplier numbers)*	

C058   *IS NOT USED IN THE SUBSET.*

C080   K   NAME OF THE PARTNER

3036   M   an..35   Name of the Partner

Name 1 of the Partner.

3036   K   an..35   Name of the Partner

Name 2 of the Partner.

3036   K   an..35   Name of the Partner

Name 3 of the Partner.

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*Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.

C059   K   STREET

   3042   M   an..35   Street Number and House Number, Post-Office Box

3164   K   an..35   LOCATION

3229   *IS NOT USED IN THE SUBSET.*

3251   K   an..9   POSTAL CODE

3207   K   an..3   COUNTRY, ENCODED

The most important country codes according to ISO 3166 (the postal codes have to be given on the delivery note papers):

„BE"	*Belgium*
„BG"	*Bulgaria*
„DK"	*Denmark*
„DE"	*Germany*
„FI"	*Finland*
„FR"	*France*
„GR"	*Greece*
„GB"	*Great Britain*
„IE"	*Ireland*
„IT"	*Italy*
„CA"	*Canada*
„LU"	*Luxembourg*
„NL"	*Netherlands*
„NO"	*Norway*
„AT"	*Austria*
„PT"	*Portugal*
„SE"	*Sweden*
„CH"	*Switzerland*
„ES"	*Spain*
„TR"	*Turkey*
„US"	*USA*

Segment Group 3   M[*]   1 / K   4

This segment group contains the RFF-Segment. It serves for the indication of the identification number for taxes on sales/purchases of the partners concerned with the message. It will only be required for transnational transportation.
Moreover, an additional identification number of the wholesaler's may be transferred in case of an Invoice to a central regulator. The additional identification number may identify this wholesaler as the central regulator. For the transfer of the WEEE Registration Number (Waste Electrical and Electronic Equipment), the code "XA" is available. The WEEE Registration Number has to be transferred after the 24th of November 2005.

RFF   M 1   Reference Data

> *In the RFF-Segment, the identification number for taxes on sales/purchases (value added tax) is transferred. It serves as well for the transfer of a potentially necessary additional identification number of a wholesaler at a central regulator's.*

C506   M   REFERENCE DATA

1153   M an..3   Reference, Qualifier

> *Constant value:*

„VA"	*Identification number for taxes on sales/purchases (value added tax)*
„AGY"	*Identification number of the wholesaler at the central regulators*
„FC"	*Tax number*
„XA"	*Company/Location registration number (as demanded by law)*

1154   M^{**} an..35   Reference Number

> *Identification number for taxes on sales/purchases (value added tax) respectively additional identification number.*

Segment Group 3 End

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[*] Implementation Note: This segment group has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, the transfer of the segments cannot be formally verified by EDI Converters.
^{**} Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.

Segment Group 5   **K   1**

This segment group contains the CTA-Segment for the indication of a contact person.

CTA   M   1   Contact Information
                            *For both sender and recipient each, the name of an official in charge of
                            this process may be transferred in the CTA-Segment.*

3139   *IS NOT USED IN THE SUBSET.*

C056   K   DATA ON DEPARTMENT- OR OFFICIAL IN CHARGE

  3413   *Is not used in the subset.*

  3412   K   an..35   Department or Official in Charge
                            Name of the official in charge.

Segment Group 5 End

Segment Group 2 End

Segment Group   7   **K   1**

This segment group contains the CUX-Segment and serves the transfer of a reference currency for the complete Invoice.

CUX   M 1   Currency Data

> *The CUX-Segment transfers data concerning currency units required for international transactions. They may be omitted on a national level.*

C504   K   CURRENCY DATA

6347   M   an..3   Currency Data, Qualifier

> *Constant value:*

„2"	*Reference currency*

6345   K   an..3   Currency, encoded

> *The most important currency codes according to ISO 4217:*

„DKK"	*Danish Krone*
„EUR"	*Euro*
„GBP"	*British Pound*
„CAD"	*Canadian Dollar*
„NOK"	*Norwegian Krones*
„PLZ"	*Polish Zloty*
„SEK"	*Swedish Krones*
„CHF"	*Swiss Franc*
„USD"	*US Dollar*

Segment Group   7   End

Segment Group 8   K   6

This segment group contains the segments PAT, DTM and PCD. It serves for the transfer of the conditions of payment.

PAT   M   1   Payment Terms

In the PAT-Segment, the conditions of payment and a payment reference date are transferred.

4279   M   an..3   PAYMENT TERMS TYPE, QUALIFIER

The following codes are available:

„3"	*Valuta (new date of payment)*
„22"	*Discount*
„ZZZ"	*Net date of payment*

C110   *IS NOT USED IN THE SUBSET.*

C112   K   PAYMENT TERMS, TIME DATA

     2475   M   an..3   Payment Reference Date, encoded

Constant value:

„5"	*Date of invoice*

     2009   *Is not used in the subset.*

     2151   *Is not used in the subset.*

     2152   K   n..3   Time Units, Number

Number of days for discount and or net date of payment. A fixed valuta date, net date of payment or discount date is transferred in the following DTM.

DTM   K   1   Date/Time/Period Data

In the DTM-Segment, a valuta date, a payment date and respectively a discount date may be transferred.

C507   M   DATE/TIME/PERIOD DATA

2005   M an..3   Date/Time/Period Data, Qualifier
The following codes are available:

„12"	*Valuta date (new date of payment)*
„13"	*Due date in case of net payment*
„343"	*End date for discount validity*

2380   K an..35   Date/Time/Period Data
Date, formatted as indicated in data element 2379.

2379   K an..3   Date/Time/Period Data, Format, Qualifier
Constant value:

„102"	*YYYYMMDD*

Notes on Discount:

If a discount
PAT / 4279="22"
is provided for a date of invoice
PAT / C112 / 2475="5"
PAT / C112 / 2152 = "Number of days"
the indication of the percentage is also obligatory
PCD / 501 / 5245 = "22" / 5482 (percentage rate with two positions after decimal point).

Example:

PAT+22++5:::14'

PCD+12:2.00'

The customer is granted 2% discount at a date of payment within 14 days from the date of invoice.

If a discount
PAT / 4279="22"
is provided with a certain end date of discount validity
PAT / DTM / C507 / 2005 = „343" (end date of discount)
PAT / DTM / C507 / 2380 = „Fixed date",
the indication of the percentage is also obligatory
PCD / 501 / 5482 (percentage rate with two positions after decimal point)

Example:

PAT+22'

DTM+343:20050615:102'

PCD+12:2.00'

The customer is granted 2% discount for a payment until the 15th of July 2005.

If a date for net payment

PAT / 4279 = „ZZZ"
is provided, the date of payment in reference to the date of invoice
PAT / C112 / 2475="5"
PAT / C112 / 2152 = Number of days
or as a due date in case of net payment
DTM / 507 / 2005 = "13" / 2380 = "Date" / 2379 = "102"
have to be transferred.

Example:

PAT+ZZZ'

DTM+13:20050531:102'

The customer is granted date of net payment until the 31st of May 2005.

If valuta is transferred

PAT / 4279 = "3"
then the date of valuta is also obligatory
DTM / C507 / 2005 = "12" / 2380 = „*"Date" / 2379 = "102"*.

Discount days and days for net payment are counted from this valuta date onwards.

If instead of discount days and net payment days a fixed date

PAT / DTM / C507 / 2005 = „13" or „343"

Should be transferred, then this date has to be set after the valuta date.

Example:

If the valuta date is the 30th of June 2005, a discount date or net payment date is not possible before the 1st of July 2005.

PCD   K   1   Percentage Data

In the PCD-Segment a discount percentage rate may be transferred.

C501   M   PERCENTAGE DATA

  5245   M   an..3   Percentage Data, Qualifier

Constant value:

„12"   Discount

  5482   K   n..10   Percentage Rate

Indication of percentage rate with two positions after decimal point.

Segment Group   8   End

Segment Group   25   **K   9999**

This segment group contains the segments LIN, PIA, IMD, QTY, ALI, GIN, FTX and the segment group 28, 29 and 38. It serves the transfer of the line item data.

LIN   M   1   *Line Item Number*

> *In the LIN-Segment, a line item of the Invoice is identified by a line item number rising in ascending order, and an article number. The reference to the line item number of the order is established in the RFF Segment.*

1082   K   N..6   *Line Item Number*

> *Line item number of the invoice line item.*

1229   K   an..3   TYPE OF PROCESS, CODIERT

> *The following code is available:*

> | |
> |---|
> | „5"   "Line item is not bonus-compatible " |

> *If the item/position is bonus-compatible, the data element is left blank.*

C212   K   PRODUCTIDENTIFICATION

> **7140**   K   an..35   Goods or Service Number
>
> > *Supplier's article number; If there is no article number, a written specification will follow in the Segment "IMD". Data Element Group 212 is not transferred in this case.*
>
> **7143**   K   an..3   Goods or Service Number, encoded
>
> > *The following codes are available:*
>
> > | |
> > |---|
> > | „MF" Manufacture article number |
> > | „EN" EAN Number |

PIA   K   1   Additional Product Information

4347   M   an..3   PRODUCT IDENTIFICATION FUNCTION
                           Constant value:

„1“	*Additional product information*

C212   M   GOODS OR SERVICE NUMBER IDENTIFICATION

   7140   M   an..35 Goods/Service Number
                           Article number

   7143   M   an..3   Goods/Service Number, encoded
                           The following codes are available:

„EN“	EAN

PIA   K   1   Additional Product Information

IMD   M[*] 10   Item Description

In the IMD-Segment, an additional text concerning the line item may be transferred. A specification of an article may be transferred as well.

7077   *IS NOT USED IN THE SUBSET.*

7081   *IS NOT USED IN THE SUBSET.*

C273   M[**]   ITEM DESCRIPTION

7009   M[**] an..17   Item Description

> *Code „ZU" for an additional text for the line item*
>
> > *This code is used if a verbal description of the line item is necessary in addition to the article number. The IMD Segment may be repeated eight times in this case, offering 40 characters for each repetition (thus a total of 320 characters).*
>
> *Code „SP" for specification of the article*
>
> > *This code is used if there are no article numbers. In case there is an article number, it is used fort he transmission of the article text for the purpose of information. The entry of an article text is wished for especially in order to use it for electronic archiving. The entry of the article text in addition to an article number does neither lead to an exclusion of an Invoice nor to a manual processing.*
>
> > *The IMD Segment may be repeated two times for the specification of the article, offering 40 characters for each repetition.*
>
> *If the code „SP" is indicated, there is the additional possibility to use the code „ZU" for an additional text. This means that in this case, the Segment IMD could be repeated a maximum of ten times.*

Implementation Note:

In contrast to the explanations above, the article text (2*40 characters) has to be transferred in case of using the code „ZU".

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[*] Implementation Note: This Segment Group has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, the transfer of the segments cannot be formally verified by EDI Converters.
[**] Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.
[*]
[*]

1131   *Is not used in the subset.*

3055   *Is not used in the subset.*

7008   M** an..35   Item Description
                            Characters 1-35.

7008   M** an..35   Item Description
                            Characters 36-40.

** Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.
*

QTY   K   1   Quantity

In the QTY-Segment, the calculated quantity and the unit of measurement for this line item is transferred.

C186   M   QUANTITY DATA

  6063   M   an..3   Quantity, Qualifier

Constant value:

„12"	*Quantity*

  6060   M   n..15   Quantity

Quantity of the article with three positions after the decimal point.

  6411   K   an..3   Unit of Measurement, Qualifier

The following codes are available:

„CMK"	*Square centimetre*
„CMQ"	*Cubic centimetre*
„CMT"	*Centimetre*
„DZN"	*Dozen*
„GRM"	*Gramme*
„HLT"	*Hectolitre*
„KGM"	*Kilogramme*
„KTM"	*Kilometre*
„LTR"Litre	
„MMT"	*Millimetre*
„MTK"	*Square metre*
„MTQ"	*Cubic metre*
„MTR"	*Metre*
„NRL"	*Number of rolls*
„PCE"	*Piece*
„PR" Pair	
„SET"Set	
„TNE"	*Tonne*

ALI   K   1   Additional Data

In the ALI-Segment, the country of origin can be transmitted.

3239   K   an..3   COUNTRY OF ORIGIN

Die wichtigsten Ländercodes nach ISO 3166:

„BE"	Belgium
„BG"	Bulgaria
„DK"	Denmark
„DE"	Germany
„FI"	Finland
„FR"	France
„GR"	Greece
„GB"	Great Britain
„IE"	Ireland
„IT"	Italy
„CA"	Canada
„LU"	Luxembourg
„NL"	Netherlands
„NO"	Norway
„AT"	Austria
„PT"	Portugal
„SE"	Sweden
„CH"	Switzerland
„ES"	Spain
„TR"	Turkey
„US"	USA

GIN	K	1	Goods Identification Number

In the GIN-Segment the customs tariff number can be transferred.

7405	M	an..3	IDENTIFICATION NUMBER, QUALIFIER

Constant value:

*„SC"	Customs Tariff Number*

C208	M		IDENTIFICATION NUMBER

  7402	M	an..35	Identification Number

Customs Tariff Number

FTX   K   1   Free Text

In the FTX-Segment, a text concerning the invoice line item and respectively the credit note line item can be transferred in the line item section. If possible, this segment should be used, because otherwise a manual processing of the message will become necessary.

4451   M   an..3   TEXT, QUALIFIER

Constant value:

„INV"   *Invoice text or credit note text*

4453   *IS NOT USED IN THE SUBSET.*

C107   *IS NOT USED IN THE SUBSET.*

C108   K   FREE TEXT

   4440   M   an..70   Free text

   4440   K   an..70   Free text

   4440   K   an..70   Free text

   4440   K   an..70   Free text

   4440   K   an..70   Free text

Segment Group 28 (M* 1) K 2

This segment group contains the PRI-Segment and serves the transmission of the price of the line item.

PRI   M   1   Price Information

*In the PRI-Segment, gross price and/or net price are transferred. One of both prices **has to be** transmitted.*

C509   M**   PRICE INFORMATION

5125   M   an..3   Price, Qualifier

The following codes are available:

„GRP"	*Gross price*
„NTP"	*Net price*

5118   M** n..15   Price

Price of the article with two positions after the decimal point.

5375   *Is not used in the subset.*

5387   *Is not used in the subset.*

5284   M** n..9   Price Basis per Unit

The quantity to which the previously stated price and the measurement unit stated in data element 6411 refer to. If the price refers to one piece, , this data element has to state a "1" and data element 6411 has to state the Code "PCE" for "piece". The price basis has to be indicated as follows:

„1"   = 1 unit
„10"   = 10 units
„33"   = 33 units
„100" = 100 units
etc.

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[*] Implementation Note: In this segment group, one of both possible prices has to be transmitted on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, the transfer of the segments cannot be formally verified by EDI Converters.

[**] Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.

[*]

[*]

[*]

6411   M[**] an..3   Measurement Unit, Qualifier

This data element should only be used, if the indication of price refers to another measurement unit than the indication of quantity in the order. The following codes are available:

„TNE"	*Tonne,,CMK" Square centimetre*
„CMQ"	*Cubic centimetre*
„CMT"	*Centimetre*
„DZN"	*Dozen*
„GRM"	*Gramme*
„HLT"	*Hectolitre*
„KGM"	*Kilogramme*
„KTM"	*Kilometre*
„LTR"Litre	
„MMT"	*Millimetre*
„MTK"	*Square metre*
„MTQ"	*Cubic metre*
„MTR"	*Metre*
„NRL"	*Number of rolls*
„PCE"	*Piece*
„PR" Pair	
„SET"Set	
„TNE"	*Tonne*

Segment Group   28   End

[**] Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.

Segment Group 29　　　　　　**K　8**

This segment group contains the RFF-Segment and the DTM-Segment. It serves the referencing of those documents to which the invoice line item refers to.

RFF　　　M　1　　　Reference Data

> *In the RFF-Segment, the numbers of the documents to which the invoice line item refers to are transferred.*

C506　　　M　　　　　REFERENCE DATA

1153　　M　an..3　　Reference, Qualifier

> *The following codes are available:*

„ACE"	*Order acceptance number of the supplier*
„VN"	*Order number of the wholesaler*
„LI"	*Line item number of the order*
„AAJ"	*Delivery note number of the supplier*
„FI"	*Line item number of the delivery note*
„AAK"	*Dispatch notification number of the supplier*
„AAS"	*Store number*
„ACD"	*Additional reference, here omnibus order number*

1154　　M[*]　an..35　　Reference Number

> *Reference number, refers to the qualifier chosen in data element 1153.*

> **Implementation Note:**

> For every invoice line item, the references VN, LI, AAJ and FI have to be transferred.

---

[*] Implementation Note: This data has to be transferred on legal grounds. Since this piece of data is only an optional piece of data according to EDIFACT, it cannot be formally verified by the EDI Converters.

DTM   K   1   Date/Time/Period Data

In the DTM-Segment, data concerning the time and date of the previously referenced documents is transferred.

C507   M   DATE/TIME/PERIOD DATA

  2005   M   an..3   Date/Time/Period Data, Qualifier

The following codes are available:

„2"	Date of delivery
„4"	Date of order

  2380   K   an..35   Date/Time/Period Data

Date, formatted as shown in data element 2379.

  2379   K   an..3   Date/Time/Period Data, Format, Qualifier

Constant value:

„102"	YYYYMMDD

Segment Group   29   End

Segment Group   38   **K   10**

This segment group contains the ALC-Segment and the segment groups 40 and 41. It serves the transmission of allowances and charges concerning the invoice line items.

ALC   M 1   Allowances and Charges

The ALC-Segment serves the indication of allowances and charges for singular line items. The multiplier enlisted is a net multiplier, which does already encompass all allowances for this position. The multiplier has to be transferred.

The entry of discount rates serves only fort he purpose of information. All allowances and charges have to be transferred with the multiplier. *The multiplier serves the automatic invoice verification. The singular conditions serve the purpose of information and manual research in case of deviations registered by the automatic verification.*

5463   M an..3   ALLOWANCES AND CHARGES, QUALIFIER

The following codes are available:

„A"	*Allowance*
„C"	*Charge*

C552   *IS NOT USED IN THE SUBSET.*

4471   *IS NOT USED IN THE SUBSET.*

1227   *IS NOT USED IN THE SUBSET.*

C214   K   SPECIAL PAYMENTS

7161   K   an..3   Special Payments, encoded

The following codes are available:

„SF"	*Multiplier*
„ZZZ"	*Bilaterally agreed upon (description of the conditions follows in data element 7160)*

Implementation Note:

See also the appendix for a complementary list of codes.

1131   *Is not used in the subset.*

3055   *Is not used in the subset.*

7160   K   an..35   Special Conditions

In case of the entry of code „ZZZ" in data element 7161, the designation of the condition has to be transferred here.

Segment Group 40   K   1

This segment group contains the PCD-Segment and serves the transmission of percentage rates fort additional charges and allowances.

PCD   M   1   Percentage Data

> *In the PCD-Segment, a multiplier or percentage rate for the invoice line item is transferred.*
>
> ***Percentage rates for discount data serve only for the purpose of information.***

C501   M   PERCENTAGE DATA

5245   M   an..3   Percentage Data, Qualifier

> *The following codes are available:*

„1"	*Multiplier*
„3"	*Percentage Rate*

5482   K   n..10   Percentage Rate

> *The multiplier is transferred with four positions after the decimal point.*
>
> *The percentage rate is transferred with two positions after the decimal point.*

Segment Group 40 End

Segment Group   41   **K   1**

This segment group contains the MOA-Segment and serves the transfer of allowances and charges in the form of a fixed amount of money.

MOA   M 1   Amount of Money

> *In the MOA-Segment, an amount of money is transferred in the form of allowances and charges.*

C516   M   AMOUNT OF MONEY

   5025   M   an..3   Amount of Money Qualifier

> *Constant value:*

> „8"   *Amount of Money*

   5004   K   n..18   Amount of Money

> *Allowances and charges with two positions after the decimal point. Value refers to the code (Euro value per price unit) stated in data element Gr. 34-ALC-C214-7161.*

Segment Group   41   End

Segment Group   38   End

Segment Group   25   End

Example

The calibrated water meter with the article number 4711 costs 50,00 € apiece. An allowance of 10% is granted, but there is also a charge of 4,00 € calibration fee.

Segment / Data element	Field content	Description
LIN / 1082	**1**	Line item number of the invoice
LIN / C212 / 7140	**4711**	Article number
LIN / C212 / 7143	"MF"	Manufacturer article number
LIN / IMD / C273 / 7009	"SP"	Additional text for line item
LIN / IMD / C273 / 7008	Water meterr	Description of line item
LIN / IMD / C273 / 7008	**calibrated**	Description of line item
LIN / QTY / 6060	**1**	Quantity
LIN / QTY / 6411	**PCE**	Quantity unit
LIN / PRI / 5125	"GRP"	Gross price
LIN / PRI / 5118	**50,00**	Price
LIN / RFF / C506 / 1153	"VN"	Reference Data
LIN / RFF / C506 / 1154	**4711**	Wholesaler's order number
LIN / RFF / C506 / 1153	"LI"	Reference Data
LIN / RFF / C506 / 1154	**5711**	Line item of the order
LIN / RFF / C506 / 1153	"AAJ"	Reference data
LIN / RFF / C506 / 1154	**6711**	Supplier's delivery note number
LIN / RFF / C506 / 1153	"FI"	Reference data
LIN / RFF / C506 / 1154	**7711**	Supplier's line item number
LIN / ALC / 5463	"A"	Allowance
LIN / ALC / C214 / 7161	"SF"	Multiplier
LIN / ALC / PCD / C501 / 5245	"1"	Multiplierr
LIN / ALC / PCD / C501 / 5482	**0,8200**	Multiplier (10% + 4,-€)
LIN / ALC / 5463	"A"	Allowance
LIN / ALC / C214 / 7161	"WHE or ZZZ"	Wholesaler discount
LIN / ALC / C214 / 7160	**Basic discount**	Designation of the condition
LIN / ALC / PCD / C501 / 5245	"3"	Percentage rate
LIN / ALC / PCD / C501 / 5482	**10,00**	Percentage rate
LIN / ALC / 5463	**"C"**	Additional charge
LIN / ALC / C214 / 7161	**"ZZZ"**	Bilateral agreement
LIN / ALC / C214 / 7160	**Calibration fee**	Designation of the condition
LIN / ALC / PCD / MOA / C516 / 5025	**"8"**	Amount of money
LIN / ALC / PCD / MOA / C516 / 5004	**4,00**	Amount

Attention: the indication of discount rates or amounts of money for additional charges and/or allowances serve for the purpose of information, only. <u>All</u> additional charges and allowances <u>have to be</u> transferred <u>with the multiplier</u>

UNS   M   1   Section Control Segment

The UNS-Segment is a service segment and marks the partition of line item section and sum section.

0081   M   a1   SECTION IDENTIFIER, ENCODED

Constant value:

„S"	*Partition of line item section and sum section*

Scheme for the transmission of invoice sums:

Invoice sums that have to be transferred	*Elements that have to be used*
Sum of line item values	SG 48/MOA/C516/5004 with code „79"
+/- EURO value (allowances & charges)	SG 51/ALC/MOA
= Goods value	SG 48/MOA/C516/5004 with code „56"
+ Additional expenses	SG 51/ALC/MOA
= sum subject to turnover tax on sales/purchases	SG 48/MOA/C516/5004 with code „125"
+ tax on sales/purchases	SG 50/TAX/MOA
= Invoice sum	SG 48/MOA/C516/5004 with code „9"
Share of goods value subject to bonus	SG 48/MOA/C516/5004 with code „12"

Segment Group   48   M   5

This segment group contains the Segment MOA and serves the indication of invoice sums.

MOA	M 1	Money Amount

In the MOA-Segment, the invoice sums are transferred.

C516	M	MONEY AMOUNT

5025	M an..3	Type of Money Amount, Qualifier

The following codes are available:

„79"	*Sum of the line item values*
„56"	*Goods value*
„125"	*sum subject to turnover tax on sales/purchases (required field)*
„9"	*Invoice sum/total/amount (required field)*
„12"	*Share of goods value subject to bonus*

5004	K n..18	Money Amount

Sum according to the qualifier stated in data element 5025.

Segment Group 48 End

Segment Group   50   **K   1**

This segment group contains the TAX-Segment and the MOA-Segment and serves for the transfer of the tax on sales/purchases.

TAX   M   1   Customs/Tax/Fee Data

In the TAX-Segment, the percentage rate of the tax on sales/purchases is transferred.

5283   M   an..3   TYPE OF CUSTOMS/TAX/FEE DATA,
                                 QUALIFIER

Constant value:

„7“   Tax

C241   K   TYPE OF TAX

5153   K   an..3   Type of Tax, encoded

Constant value:

„VAT“ tax on sales/purchases

C533   *IS NOT USED IN THE SUBSET.*

5286   *IS NOT USED IN THE SUBSET.*

C243   K   DETAILED TAX DATA

5279   *Is not used in the subset.*

1131   *Is not used in the subset.*

3055   *Is not used in the subset.*

5278   K   an..17   Indication of Tax Rate

Indication of the percentage rate of the tax on sales/purchases (value added tax).

MOA	K	1	Money Amount

In the MOA-Segment the amount of money subject to tax on sales/ purchases is transferred.

C516	M		MONEY AMOUNT
5025	M	an..3	Type of Money Amount, Qualifier

Constant value:

„150" Tax on Sales/Purchases (value added tax)

5004	K	n..18	Money Amount

Absolute amount of money subject to tax on sales/purchases (value added tax) with a maximum of two positions after the decimal point.

Segment Group 50 End

Segment Group   51   **K   15**

This segment group contains the ALC-Segment and the MOA-Segment. It serves the transfer of additional expenses as well as the transfer of allowances and charges on the whole of the Invoice.

ALC   M   1   Allowances and charges

In the ALC-Segment allowances and charges on the whole of the Invoice are shown as a sum. These additional charges and allowances are given in the form of a percentage rate or in concrete monetary terms.

5463   M   an..3   ALLOWANCES AND CHARGES, QUALIFIER

The following codes are available:

„A"	Allowance
„C"	Additional charge

C552   *IS NOT USED IN THE SUBSET.*

4471   *IS NOT USED IN THE SUBSET.*

1227   *IS NOT USED IN THE SUBSET.*

C214   K   SPECIAL PAYMENTS

7161   K   an..3   Special Payments, encoded

The following codes are available:

„ABW"	Customs duties
„AU"	Accreditation fee
„DL"	Delivery/Freight Charge
„IN"	Insurance
„PC"	Packaging
„ZZZ"	Bilaterally agreed upon (description of the conditions follows in data element 7160)

... further possible code values in the appendix (EANCOM code list)

1131   *Is not used in the subset.*

3055   *Is not used in the subset.*

7160   K   an..35   Special Condition

*If the code „ZZZ" is chosen in data element 7161, a designation of the condition **has** to be transferred here.*

MOA   K   1   Money Amount

In the MOA-Segment an amount of money referring to the previously stated allowances and charges is transferred.

C516   M   MONEY AMOUNT

5025   M   an..3   Money Amount, Qualifier
Constant value:

„8"	Amount of money

5004   K   n..18   Money Amount
Additional charge or allowance with two positions after the decimal point.

Segment Group   51   End

UNT   M   1   Message End Segment

In the UNT-Segment, the number of segments and the message reference number are transferred for the purpose of a plausibility verification.

0074   M   n..6   NUMBER OF SEGMENTS IN A MESSAGE

Number of segments transferred with this message, including the segments UNH and UNT.

0062   M   an..14   MESSAGE REFERENCE NUMBER

The same reference number as in UNH / 0062 has to be entered here. This number is compared to the entry in Segment UNH at the stage of reception of the message.

UNZ   M   1   Usage Data End Segment

In the UNZ-Segment a data exchange counter and a data exchange reference may be transferred.

0036   M   n..6   DATA EXCHANGE COUNTER

*Here, the number of messages is entered in the usage data frame UNB...
UNZ.*

0020   M   an..14   DATA EXCHANGE REFERENCE

*The same reference number as in UNB / 0020 has to be entered here. This
number is compared to the entry in Segment UNH at the stage of
reception of the message.*

Appendix

Code List 7161 (EANCOM)

AA	Advertising allowance	GRB	Growth of business (EAN-Code)
AAB	Returned goods charge	HD	Handling
AAJ	Copper surcharge	IN	Insurance
AAM	Rubber surcharge	INT	Introduction allowance (EAN-Code)
AAT	Rush delivery	IS	Invoice services
AAX	Wolfram surcharge	MAC	Minimum order/minimum billing charge
AAY	Airport fee	MB	Multi-buy promotion (EAN-Code)
ABA	Compulsory storage fee	MC	Material surcharge (special materials)
ABH	Throughput allowance	NAA	non-returnable containers
ABL	Packaging surcharge	PAD	Promotional allowance
ACQ	Royalty surcharge	PAE	Promotional discount
ACY	Container deposit charge		
ADM	Binding services	PAR	Partnership allowance (EAN-Code)
ADN	Repair or replacement of broken returnable package	PC	Packing
		PI	Pick-up allowance
ADO	Efficient logistics	PL	Palletizing
ADP	Merchandising	PN	Pallet charge
ADQ	Product mix	QD	Quantity discount
ADR	Other services	RAA	Rebate
ADS	Full pallet ordering	RAD	Returnable container
ADT	Pick-up	RAE	Resellers discount
AG	Silver surcharge	RCH	Return handling (EAN-Code)
AJ	Adjustments	SER	Service charge (EAN-Code)
ASS	Assortment allowance (EAN-Code)	SH	Special handling service
CA	Cataloguing services	TAE	Truckload discount
CAC	Cash discount	TD	Trade discount
CAG	Competitive allowance	TX	Tax
CAI	Cutting charge	TZ	Temporary allowance
CLA	Clerical- and administrative services (EAN-Code)	VAB	Volume discount
COD	Cash on delivery (EAN-Code)	VEI	Veterinary inspection service (EAN-Code)
CP	Competitive price	VEJ	Environmental protection or clean-up service (EAN-Code)
CRS	Collection and recycling service (EAN-Code)		
CSS	Copyright collection services (EAN-Code)	WHE	Wholesaling discount (EAN-Code)
DAE	Distributor discount/allowance	X14	Preferential merchandising location (EAN-Code)
DBD	Debtor bound (EAN-Code)	X15	Domestic cheque processing service outside account area (EAN-Code)
DDA	Dealer discount/allowance		
DDL	Direct delivery(EAN-Code)	X16	Domestic payment service outside account area (EAN-Code)
DI	Discount		
DTC	Discount transferable to the consumer (EAN-Code)	X17	Domestic payment service within account area (EAN-Code)
EAA	Early buy allowance	X18	Payroll (EAN-Code)
EAB	Early payment allowance	X19	Cash transportation (EAN-Code)
EXC	Charge for exceeding (EAN-Code)	X20	Home Banking (EAN-Code)
FA	Freight allowance	X21	Special agreement (EAN-Code)
FC	Freight charge	X24	Insurance (EAN-Code)
FG	Free goods	X25	Cheque generation (EAN-Code)
FI	Finance charge	XAA	Combine all same day shipment
GAC	Guarantee charge (EAN-Code)		