HubBroker iPaaS **Invoice Specification**

EDIFACT D.96A INVOIC EANCOM

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People matter, results count.

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1 Introduction

The EDI (Electronic Data Interchange) Standard (UN/EDIFACT), directory/version (D.96A) and subset EANCOM Set (INVOIC) is a globally standardized Invoice format developed by UN/CEFACT (United Nations Centre for Trade Facilitation and Electronic Business).

This format is most commonly used in Europe, the HubBroker iPaaS has implemented support in receiving Invoices from EDI suppliers via Http and FTP Polling. This format support allows suppliers to send EDI invoices to the HubBroker iPaaS without implementing mappings from their internal EDI format to XML.

Like any other electronic Invoice document, the UN/EDIFACT INVOIC document contains information regarding the billing information for product/services and the quantities requested, shipping details, payment terms, shipping details, etc.

Below is an example typical structure format used by the HubBroker iPaaS when communicating the UN/EDIFACT D.96A EANCOM INVOIC message.

2 Purpose

The purpose of this document is to detail the information contained in the segments of the UN/EDIFACT format as received by the HubBroker iPaaS. More information regarding UN/EDIFACT can be found at http://www.unece.org/trade/untdid/welcome.html.

3 Schema Validation

Any UN/EDIFACT D.96A EANCOM INVOIC message received by HubBroker iPaaS from suppliers must be valid according to the global UN/EDIFACT D.96A syntax rules for invoices. Documents which do not comply with the standard UN/EDIFACT D.96A EANCOM INVOIC specifications might not be accepted by the HubBroker iPaaS.

4 HubBroker iPaaS UN/EDIFACT D.96A EANCOM INVOIC message

4.1 Description

Invoice message

A message claiming payment for goods or services supplied under conditions agreed between the seller and the buyer. The United Nations Standard Invoice Message, with correct data qualification, serves also as the specification for Debit Note and Credit Note messages.

4.1.1 UN/EDIFACT Version

HubBroker iPaaS supports the UN/EDIFACT D.96A EANCOM INVOIC message to be received from suppliers via the HubBroker iPaaS Network. No other UN/EDIFACT version can currently be received.

4.2 Message Structure Chart

(Segments in **BOLD** are used by the HubBroker iPaaS)

4.2.1 Interchange Section (Header)

UNA O **1 Service String Advice**

UNB M **1 Interchange Header**

UNG C 1 Functional Group Header

4.2.2 Message Header (Envelope)

UNH M **1 MESSAGE HEADER**

4.2.3 Invoice Header Section

```
      BGM M      1 BEGINNING OF MESSAGE
      DTM M      35 DATE/TIME/PERIOD
      PAI   C    1 PAYMENT INSTRUCTIONS
      ALI   C    5 ADDITIONAL INFORMATION
      FTX  C     10 FREE TEXT
┌─────SG01  C    99 RFF-DTM
│     RFF M      1 REFERENCE
└─────DTM C      5 DATE/TIME/PERIOD
┌─────SG02  C    99 NAD-FII-SG3-SG5
│     NAD M      1 NAME AND ADDRESS
│     FII  C     5 FINANCIAL INSTITUTION INFORMATION
│ ┌───SG03   C  9999 RFF
│ └───RFF   M    1 REFERENCE
│ ┌───SG05   C   5 CTA-COM
│ │   CTA  M     1 CONTACT INFORMATION
└ └───COM C      5 COMMUNICATION CONTACT
┌─────SG06  C    5 TAX-MOA
│     TAX M      1 DUTY/TAX/FEE DETAILS
└─────MOA C      1 MONETARY AMOUNT
┌─────SG07  C    5 CUX-DTM
│     CUX M      1 CURRENCIES
```



```
└──DTM C        5 DATE/TIME/PERIOD
┌── SG08  C  10 PAT-DTM-PCD-MOA
│    PAT  M      1 PAYMENT TERMS BASIS
│    DTM  C      5 DATE/TIME/PERIOD
│    PCD  C      1 PERCENTAGE DETAILS
└──MOA C         1 MONETARY AMOUNT
┌──SG09  C       10 TDT
└──TDT  M        1 DETAILS OF TRANSPORT
┌──SG12  C       5 TOD-LOC
│   TOD  M       1 TERMS OF DELIVERY OR TRANSPORT
└──LOC  C        2 PLACE/LOCATION IDENTIFICATION
┌──SG13  C   1000 PAC
└──PAC  M        1 PACKAGE
┌──SG15  C   9999 ALCG17-SG18-SG19-SG20-SG21
│   ALC  M       1 ALLOWANCE OR CHARGE
│ ┌──SG17  C     1 QTY
│ └──QTY  M      1 QUANTITY
│ ┌──SG18  C     1 PCD
│ └──PCD M       1 PERCENTAGE DETAILS
│ ┌──SG19   C    2 MOA
│ └── MOA  M     1 MONETARY AMOUNT
│ ┌──SG20   C    1 RTE
│ └──RTE   M     1 RATE DETAILS
│ ┌──SG21   C    5 TAX-MOA
││  TAX   M       1 DUTY/TAX/FEE DETAILS
└└──MOA C        1 MONETARY AMOUNT
```

4.2.4 Invoice Detail Section

```
┌──SG25   C    9999999   LIN-PIA-IMD-MEA-QTY-ALI-DTM-QVR-FTX-SG26-SG27-SG28-SG29-SG30-
SG32-SG33-SG34-SG38-SG44
│    LIN   M     1 LINE ITEM
│    PIA   C    25 ADDITIONAL PRODUCT ID
```

```
|     IMD  C     10 ITEM DESCRIPTION
|     MEA  C      5 MEASUREMENTS
|     QTY  C      5 QUANTITY
|     ALI  C      5 ADDITIONAL INFORMATION
|     DTM  C     35 DATE/TIME/PERIOD
|     QVR  C      1 QUANTITY VARIANCES
|     FTX  C      5 FREE TEXT
| ┌──SG26  C      5 MOA
| └──MOA M        1 MONETARY AMOUNT
| ┌──SG27  C     10 PAT-DTM-PCD-MOA
||    PAT  M      1 PAYMENT TERMS BASIS
||    DTM  C      5 DATE/TIME/PERIOD
||    PCD  C      1 PERCENTAGE DETAILS
| └──MOA C        1 MONETARY AMOUNT
| ┌──SG28  C     25 PRI
| └──PRI   M      1 PRICE DETAILS
| ┌──SG29  C     10 RFF-DTM
||    RFF  M      1 REFERENCE
| └──DTM  C       5 DATE/TIME/PERIOD
| ┌──SG30  C     10 PAC-MEA-SG31
||    PAC  M      1 PACKAGE
||    MEA  M     10 MEASUREMENTS
|| ┌─SG31  C     10 PCI-GIN
|||   PCI  M      1 PACKAGE IDENTIFICATION
| └└─GIN  C      10 GOODS IDENTITY NUMBER
| ┌──SG32  C   9999 LOC-QTY-DTM
||    LOC  M      1 PLACE/LOCATION IDENTIFICATION
||    QTY  C    100 QUANTITY
| └──DTM C        5 DATE/TIME/PERIOD
| ┌──SG33  C     99 TAX-MOA
||    TAX  M      1 DUTY/TAX/FEE DETAILS
```

```
| └──MOA C        1 MONETARY AMOUNT
| ┌──SG34  C      20 NAD-G35
||    NAD  M      1 NAME AND ADDRESS
|| ┌─G35  C       5 RFF
| └└─RFF C        1 REFERENCE
| ┌──SG38  C      15 ALC-ALI-G39-G40-G41-G42-G43
||    ALC  M      1 ALLOWANCE OR CHARGE
||    ALI  C      5 ADDITIONAL INFORMATION
|| ┌─SG39 C       1 QTY
|| └─ QTY M       1 QUANTITY
|| ┌─SG40 C       1 PCD
|| └─PCD M        1 PERCENTAGE DETAILS
|| ┌─SG41 C       2 MOA
|| └─MOA M        1 MONETARY AMOUNT
|| ┌─SG42 C       1 RTE
|| └─ RTE M       1 RATE DETAILS
|| ┌─SG43 C       5 TAX-MOA
|||   TAX M       1 DUTY/TAX/FEE DETAILS
| └└─MOA C        1 MONETARY AMOUNT
| ┌──SG44  C       10 TDT
└└───TDT  M       1 DETAILS OF TRANSPORT
```

4.2.5 Invoice Summary Section

```
      UNS  M      1 SECTION CONTROL
      CNT  C     10 CONTROL TOTAL
┌────SG48  C    100 MOA-SG49
|     MOA M       1 MONETARY AMOUNT
| ┌──SG49  C      1 RFF-DTM
||    RFF C       1 REFERENCE
└└───DTM C        5 DATE/TIME/PERIOD
┌────SG50  C      10 TAX-MOA
|     TAX  M      1 DUTY/TAX/FEE DETAILS
```

└──**MOA C** **2 MONETARY AMOUNT**

┌──SG51 C 15 ALC-ALI-MOA

│ ALC M 1 ALLOWANCE OR CHARGE

│ ALI C 1 ADDITIONAL INFORMATION

└──MOA M 2 MONETARY AMOUNT

4.2.6 Interchange Section (Trailer)

UNT M **1 MESSAGE TRAILER**

UNE C 1 Functional Group Trailer

UNZ M **1 Interchange Trailer**

4.3 Segments Description

4.3.1 Interchange Section

EDIFACT has a hierarchical structure where the top level is referred to as an interchange, and lower levels contain multiple messages which consist of segments, which in turn consist of composites.

4.3.1.1 UNA - String service advice

The UNA segment is optional. If present, it specifies the special characters that are to be used to interpret the remainder of the message.

Seg.-No.	Description	Use	Format	Usage
UNA1	Component Data Element Separator	M	an ..1	This element acts as a composite element delimiter. The default character for this segment is a colon (:).
UNA2	Data Element Separator	M	an ..1	This element acts as a data element delimiter. The default character for this segment is a plus sign (+).
UNA3	Decimal Notification	M	an ..1	The recipient ignores the character transferred in this position. The default character for this segment is a full stop/period (.). This segment ensures upward compatibility with earlier

				versions of the syntax.
UNA4	Release Indicator	M	an ..1	This character is used to indicate that the text following contains one of the characters used as a composite, data, or segment separator. Therefore, this character is released from its conventional usage in this instance. The default character for this segment is a question mark (?).
UNA5	Reserved for future use	M	an ..1	In this segment, insert a space where all valid standard codes are used. The default character for this segment is a space.
UNA6	Segment Terminator	M	an ..1	You use this segment to indicate the end of the current segment and the start of a new segment. The default character for this segment is an apostrophe (').

Example: UNA:+,? '

4.3.1.2 UNB - Interchange Header

The UNB segment is the interchange control header for an EDIFACT-encoded interchange. It identifies the sender and recipient of the interchange, the date and time that the interchange was prepared, and the agency controlling the syntax of the interchange.

Seg.-No.	Description	Use	Format	Usage
S001	SYNTAX IDENTIFIER	M		This composite is populated with information about used character set and syntax level.
0001	Syntax Identifier	M	a ..4	This mandatory element identifies both the level of the syntax and the agency controlling the syntax, for example UNOB.
0002	Syntax Version Number	M	n ..1	This mandatory element indicates the version number identified in the Syntax Identifier element.
S002	INTERCHANGE SENDER	M		This composite is populated with sender's identification according to the Interchange Agreement (IA).
0004	Sender Identification	M	an ..35	This mandatory element identifies the name of

				or a code for the sender of the data.
0007	Identification Code Qualifier	O	an ..4	This optional element refers to the sources for the codes of the interchanging partner's identifiers. For example, a qualifier of ZZ indicates that the partners mutually defined the codes.
0008	Address for Reverse Routing	N	an ..14	This optional element contains a return address specified by the sender of the message. The recipient may want to include this address in any response messages to this sender to facilitate internal routing.
S003	INTERCHANGE RECIPIENT	M		This composite is populated with recipient's identification according to the Interchange Agreement (IA).
0010	Recipient Identification	M	an ..35	This mandatory element identifies the name of or a code for, the recipient of the data.
0007	Identification Code Qualifier	M	an ..4	This optional element refers to the sources for the codes of the interchanging partner's identifiers. For example, a qualifier of ZZ indicates that the partners mutually defined the codes.
0014	Routing Address	N	an ..4	This optional element contains the address specified by the recipient of the message that the sender is to include. The recipient uses this address for routing messages received by the sender.
S0004	DATE/TIME OF PREPARATION	M		This should be very close to the time the preparing process opens the stream or file containing this interchange.
0017	Date of Preparation	M	n6	This mandatory element indicates the date that the interchange was prepared. This information is in the format *YYMMDD*.
0019	Time of Preparation	M	n4	This mandatory element indicates the time that the interchange was prepared. This information is in the 24-hour clock format (HHMM).

0020	INTERCHANGE CONTROL REFERENCE	M	an..14	This sender-generated reference needs to be unique between sender and recipient for longest time frame defined for interchange exchange and handling protocol. For example, this reference is reflected by the authentication message that relates to the interchange.
S005	RECIPIENT REFERENCE PASSWORD	N		
0022	Recipient Reference Password	N	an..14	This optional element indicates the reference or password for the recipient that the partners mutually define.
0025	Recipient Reference Password/Qualifier	N	an..2	This optional element indicates the qualifier for the reference or password for the recipient.
0026	APPLICATION REFERENCE	N	an..14	This optional element assigned by the sender identifies the application associated with the messages in the interchange.
0029	PROCESSING PRIORITY CODE	N	a1	This optional element indicates the processing priority for the interchange requested from the sender.
0031	ACKNOWLEDGEMENT REQUEST	N	n1	This optional element the sender uses indicates a request for an acknowledgement of the interchange from the recipient.
0032	COMMUNICATIONS AGREEMENT ID	N	an..35	This optional element indicates by name or code the type of agreement under which the interchange took place.
0035	TEST INDICATOR	N	n1	This optional element indicates that the interchange is a test.

Example: UNB+UNOC:3+SENDERID:ZZZ+RECEIVERID:ZZZ+131112:1303+4795+++++EANCOM'

4.3.2 Message Header (Envelope)

4.3.2.1 UNH - Message Header

This segment is used to head, identify and specify a message.

Segment number: 1
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
0062	Message reference number	M	an ..14	Sender's unique message reference. Sequence number of messages in the interchange. DE 0062 in UNT will have the same value. Generated by the sender.
S009	MESSAGE IDENTIFIER	M		
0065	Message type identifier	M	an ..6	INVOIC = Invoice message
0052	Message type version number	M	an ..3	D = Draft directory
0054	Message type release number	M	an ..3	96A = Version 96A
0051	Controlling agency	M	an .. 2	UN = UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)
0057	Association assigned code	R	an .. 6	EAN008 = EAN Version control number.

```
Example: UNH+4795+INVOIC:D:96A:UN:EAN008'
```

4.3.3 Invoice Header Section

4.3.3.1 BGM - Beginning of Message

This segment is used to indicate the type and function of a message and to transmit the identifying number.

Segment number: 2
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C002	DOCUMENT/MESSAGE NAME	R		Document/message NAME
1001	Document/message name, coded	R	an .. 3	380 = Commercial invoice 381 = Credit note - goods and services 383 = Debit note - goods and services
1004	Document/message number	R	an .. 35	Invoice number assigned by the sender

1225	Message function, coded	R	an .. 3	9 = Original

```
Example: BGM+380+Invoice_1234567+9'
```

4.3.3.2 DTM - Date/Time/Period

This segment is used to specify the date or period of the invoice. It may also be used to specify the date on which the goods were despatched, delivered, or received.

Segment number: 3
Mandatory. / Max occurrence: 35.

Seg.-No.	Description	Use	Format	Usage
C507	DATE/TIME/PERIOD	M		
2005	Date/Time/Period qualifier	M	an .. 3	11 = Despatch date and or time 137 = Document date
2380	Date/Time/Period	R	an .. 35	
2379	Date/Time/Period format qualifier	R	an .. 3	102 = CCYYMMDD

```
Example:    DTM+137:20110826:102'
            DTM+11:20110705:102'
```

4.3.3.3 FTX - Free Text

This segment is used to provide free form or coded text information which applies to the complete invoice message.

Segment number: 6
Conditional. / Max occurrence: 10.

Seg.-No.	Description	Use	Format	Usage
4451	Text subject qualifier	M	an .. 3	ALC - Allowance/charge information ZZZ = Mutually defined
C107	TEXT REFERENCE	C		NOT USED
C108	TEXT LITERAL	D		

4440	Free text	M	an .. 70	
4440	Free text	O	an .. 70	
4440	Free text	O	an .. 70	
4440	Free text	O	an .. 70	
4440	Free text	O	an .. 70	

```
Example: FTX+ZZZ+1++Invoice header note with free text information on invoice header level:for specific message from supplier to buyer'
```

4.3.3.4 SG01 - RFF-DTM

A group of segments for giving references and where necessary, their dates, relating to the whole message, e.g. contract number, import/export license number, despatch advice number.

Required. / Max occurrence: 99.

4.3.3.4.1 RFF - Reference

This segment is used to specify references which relate to the whole invoice, for example, Purchase Order Numbers, Delivery Numbers etc.

Segment number: 7
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C5062	REFERENCE	M		
1153	Reference qualifier	M	an .. 3	ALO = Goods reception number ALQ = Returns notice number IV = Invoice number ON = Order number (buyer) VN = Order number (supplier)
1154	Reference number	R	an .. 35	

```
Example: RFF+ON:Order_1234567890'
```


4.3.3.4.2 DTM - Date/Time/Period

This segment is used to specify dates relating to the references given in the preceding RFF segment.

Segment number: 8

Conditional. / Max occurrence: 5.

Seg.-No.	Description	Use	Format	Usage
C507	DATE/TIME/PERIOD	M		
2005	Date/Time/Period qualifier	M	an .. 3	171 = Reference date/time
2380	Date/Time/Period	R	an .. 35	
2379	Date/Time/Period format qualifier	R	an .. 3	102 = CCYYMMDD

```
DTM+171:20110606:102'
```

4.3.3.5 SG02 – NAD-FII-SG3-SG5

A group of segments identifying the parties with associated information.

Conditional. / Max occurrence: 99.

4.3.3.5.1 NAD - NAME AND ADDRESS

This segment is used to identify the trading parties involved in the invoice process. Identification of the buyer and supplier of goods and services is mandatory in the Invoice. Additionally, the issuer of the invoice and the invoicee must be identified if different from the buying and supplying parties. The consignee or delivery party needs to be specified if different to the buyers address.

Segment number: 9
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
3035	Party qualifier	M	an .. 3	BY = Buyer DP = Delivery party IV = Invoicee RE = Party to receive commercial invoice remittance

				SU = Supplier
C082	PARTY IDENTIFICATION DETAILS	A		
3039	Party id. identification	M	an .. 17	EAN Location Code - Format N13 where possible
3055	Code list response agency, coded	R	an .. 3	9 = EAN 91 = Assigned by seller 92 = Assigned by buyer
C058	Name and Address	O		
3124	Name and Address Line	M	an .. 35	Party Name in clear text
3124	Name and Address Line	O	an .. 35	
3124	Name and Address Line	O	an .. 35	
3124	Name and Address Line	O	an .. 35	
3124	Name and Address Line	O	an .. 35	
C080	PARTY NAME	C		NOT USED
C059	STREET	C		NOT USED
3164	City name	D	an .. 35	City/Town name, clear text
3229	Country sub-entry identification	D	an .. 9	County/State in clear text
3251	Postcode identification	D	an .. 9	Postal code
3207	Country, coded	D	an .. 3	ISO 3166 two alpha code

```
Example:
NAD+SU+VendorID::92+SellerName1:SellerName2:SellerName3::+SellerName2+SellerStreet
12+SellerCity++12345+SE'
```

4.3.3.5.2 FII - Financial institution information

This segment is used to identify financial institution information related to the party identified in the NAD segment.

Segment number: 10
Conditional. / Max occurrence: 5.

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Seg.-No.	Description	Use	Format	Usage
3035	Party qualifier	M	an..3	PB = Paying financial institution RB = Receiving financial institution
C078	ACCOUNT IDENTIFICATION	R		
3194	Account holder number	R	an..35	
3192	Account holder name	O	an..35	
3192	Account holder name	O	an..35	
C088	INSTITUTION IDENTIFICATION	O		
3433	Institution name identification	A	an..11	
1131	Code list qualifier	O	an..3	25 = Bank identification
3055	Code list responsible agency, coded	O	an..3	5 = ISO (International Organization for Standardization)
3434	Institution branch number	O	an..17	
1131	Code list qualifier	C	an..3	NOT USED
3055	Code list responsible agency, coded	C		NOT USED
3432	Institution name	O	an..70	
3436	Institution branch place	O	an..3	
3207	Country code	O	an..3	Country Code (ISO 3166 two alpha code)

```
Example:
FII+RB+SellerBankAccountID:SellerBankAccountName:+Bank_ID:25:5:Branch_ID:::Sell
er Bank:SellerCity, SellerCountry+SE'
```

4.3.3.5.3 SG03 - RFF

A segment group for giving references only relevant to the specified party rather than the whole invoice.

Conditional. / Max occurrence: 9999.

4.3.3.5.3.1 RFF - Reference

This segment is used to specify reference numbers related to the party identified in the previous NAD segment.

Segment number: 11
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C5062	REFERENCE	M		
1153	Reference qualifier	M	an .. 3	PY = Payee's financial institution account number (IBAN number) VA = VAT registration number AHP = Company registration number
1154	Reference number	R	an .. 35	

```
Example:    RFF+VA:SellerVATNumber'
            RFF+AHP:SellerCompanyRegistrationNumber'
            RFF+PY:IBAN Number
```

4.3.3.5.4 SG05 - CTA-COM

A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

Conditional. / Max occurrence: 5.

4.3.3.5.4.1 CTA - Contact information

This segment is used to identify contact details for the party specified in the previous NAD segment. The EAN location number is particularly suitable for this purpose.

Segment number: 12
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
3139	Contact function, coded	R	an .. 3	AD = Accounting contact PD = Purchasing contact
C056	DEPARTMENT OR EMPLOYEE DETAILS	O		
3413	Department or employee identification	O	an .. 17	

3412	Department or employee	O	an .. 35	

```
Example: CTA+PD+:SellerOrderContactName'
```

4.3.3.5.4.2 COM - Communication contact

This segment identifies the communications number, and type of communications, for the person or department identified in the preceding CTA segment.

Segment number: 13
Conditional. / Max occurrence: 5.

Seg.-No.	Description	Use	Format	Usage
C076	COMMUNICATION CONTACT	M		
3413	Communication number	M	an ..512	
3412	Communication channel qualifier	M	an .. 35	EM = Electronic mail FX = Fax TE = Telephone

```
Example:    COM+004681234567:TE'
            COM+004681234567:FX'
            COM+SellerOrderContact@seller.com:EM'
```

4.3.3.6 SG07 - CUX-DTM

Group of segments specifying the currencies and related dates/periods valid for the whole invoice. Currency data may be omitted in national applications but will be required for international transactions.

Conditional. / Max occurrence: 5.

4.3.3.6.1 CUX - CURRENCIES

This segment is used to specify currency information for the complete invoice.

Segment number: 16
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C504	CURRENCY DETAILS	R		

6347	Currency details qualifier	M	an .. 3	2 = reference currency
6345	Currency coded	R	an .. 3	ISO 4217 currency code
6343	Currency qualifier	R	an .. 3	4 - Invoicing currency

```
Example:    CUX+2:SEK:4'
```

4.3.3.7 SG08 - PAT-DTM-PCD-MOA

A group of segments specifying the terms of payment applicable for the whole invoice.

Conditional. / Max occurrence: 10.

4.3.3.7.1 PAT - Payment terms basis

This segment is used by the issuer of the invoice to specify the payment terms for the complete invoice.

Segment number: 18
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
4279	Payment terms type qualifier	M	an..3	1 = Basic
C110	PAYMENT TERMS	M		
4277	Terms of payment identification	M	an..17	NOT USED
1131	Code list qualifier	C	an..3	NOT USED
3055	Code list responsible agency, coded	C	an..3	NOT USED
4276	Terms of payment	O	an..35	Payment terms note (free text information)
C112	TERMS/TIME INFORMATION	O		
2475	Payment time reference, coded	O	an..3	NOT USED
2009	Time relation, coded	O	an..3	NOT USED
2151	Type of period, coded	O	an..3	NOT USED
2152	Number of periods	O	an..3	NOT USED

```
Example:    PAT+1+:::PaymentTerms freetext note'
```

4.3.3.7.2 DTM - Date/Time/Period

This segment is used to specify any dates associated with the payment terms for the invoice.

Segment number: 19
Conditional. / Max occurrence: 5.

Seg.-No.	Description	Use	Format	Usage
C507	DATE/TIME/PERIOD	M		
2005	Date/Time/Period qualifier	M	an .. 3	7 = Effective date/time (=InvoiceDueDate)
2380	Date/Time/Period	R	an .. 35	
2379	Date/Time/Period format qualifier	R	an .. 3	102 = CCYYMMDD

```
Example:    DTM+7:20131211:102'
```

4.3.3.8 SG15 - ALC-SG17-SG18-SG19-SG20-SG21-SG21

A group of segments specifying allowances and charges for the whole invoice. The allowance or charge specified within this segment group relates to the total invoice and cannot be overridden at detail level. Where relevant, additional information, tax and alternate currency details are to be indicated in the TAX and MOA segments.

Conditional. / Max occurrence: 9999.

4.3.3.8.1 ALC - Allowance or charge

This segment is used to indicate any Allowances or Charges applicable to the total invoice, e.g. packaging costs.

Segment number: 26
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
5463	Allowance or charge qualifier	M	an..3	A = Allowance C = Charge
C552	ALLOWANCE/CHARGE INFORMATION	C		NOT USED
4471	Settlement, coded	O	an..3	6 = Charge to be paid by customer

1227	Calculation sequence calculator, coded	D	an..3	NOT USED
C214	SPECIAL SERVICES IDENTIFICATION	D		
7161	Special services, coded	R	an..3	FC = Freight charge HD = Handling AAH - Processing Surcharge SAA = Shipping and handling
1131	Code list qualifier	O	an..3	
3055	Code list responsible agency, coded	O	an..3	
7160	Special service	O	an..35	
7160	Special service	O	an..35	

Example:
`ALC+C++6++FC'`
Freight charges to be paid by the customer.

Dependency Notes :

DE C214: This composite may only be included if the type of allowance or charge is agreed between the trading partners.

4.3.3.8.2 SG19 - MOA

A group of segments specifying a monetary amount for an allowance or charge.

Conditional. / Max occurrence: 2.

4.3.3.8.2.1 MOA - Monetary amount

This segment is used to specify any monetary discounts or charges for the current ALC segment group.

Segment number: 29
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C516	MONETARY AMOUNT	M		
5025	Monetary amount type qualifier	M	an .. 3	8 = Allowance or charge amount 23 = Charge amount 150 = Value added tax
5004	Monetary amount	R	n .. 18	

Example:

```
MOA+23:5'
MOA+150:1'
```

4.3.3.8.3 SG21 - TAX-MOA

A group of segments specifying tax related information for the allowance or charge.

Conditional. / Max occurrence: 5.

4.3.3.8.3.1 TAX - Duty/tax/fee details

This segment is used to signify whether the allowances and charges specified in SG15 are subject to tax.

Segment number: 31
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
5283	Duty/tax/fee function qualifier	M	an..3	7 = Tax
C241	DUTY/TAX/FEE TYPE	D		
5153	Duty/tax/fee type, coded	O	an..3	VAT = Value added tax
C533	DUTY/TAX/FEE ACCOUNT DETAIL	O		NOT USED
5286	Duty/tax/fee assessment basis	O	an..15	NOT USED
C243	DUTY/TAX/FEE DETAIL	A		
5279	Duty/tax/fee rate identification	O	an..7	NOT USED

1131	Code list qualifier	O	an..3	NOT USED
3055	Code list responsible agency, coded	O	an..3	NOT USED
5278	Duty/tax/fee rate	R	an..17	The actual rate of tax/duty.

Example :

```
TAX+7+VAT+++:::20.00'
```

4.3.4 Invoice Detail Section

4.3.4.1 SG25 LIN-PIA-IMD-MEA-QTY-ALI-DTM-QVR-FTX-SG26-SG27-SG28-SG29-SG30-SG32-SG33-SG34-SG38-SG44

A group of segments providing details of the individual invoiced items. There must be at least one occurrence of Segment group 25 within an invoice, but not necessarily in a credit note or a debit note.

Conditional. / Max occurrence: 9999999

4.3.4.1.1 LIN - LINE ITEM

This segment is used to indicate the beginning of the detail section of the Invoice message. The detail section is formed by a repeating group of segments, always starting with a LIN segment.

Segment number: 33
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
1082	Line item number	R	n .. 6	Application generated number of the count of the order lines.
1229	Action request	N	an..3	NOT USED
C212	ITEM NUMBER IDENTIFICATION	D		
7140	Item number	O	an .. 35	Format n..14 EAN-8, UPC-A, EAN-13, or DUN-14 - this is the number of the article being ordered.
7143	Item number type coded	R	an .. 3	*EN = EAN *UP = UPC

```
Example:    LIN+1++82700228277:EN'
```

4.3.4.1.2 PIA - ADDITIONAL PRODUCT ID

This segment is used to specify additional or substitutional item identification codes such as a buyer's or supplier's item number.

Segment number: 34
Conditional. / Max occurrence: 25.

Seg.-No.	Description	Use	Format	Usage
4347	Product id function qualifier	M	an .. 3	* 1 = Additional identification * 5 = Product identification
C212	Item number identification	D		
7140	Item number	R	an .. 35	
7143	Item number type, coded	R	an .. 3	IN - Buyer's item number SA - Supplier's article number MF = Manufacturer's number

```
PIA+1+ALI0767000100:SA'

PIA+1+0767 000 100:MF'

PIA+1+G0248768:IN'
```

4.3.4.1.3 IMD - ITEM DESCRIPTION

This segment is used to describe the current line item.

Segment number: 35
Conditional. / Max occurrence: 10

Seg.-No.	Description	Use	Format	Usage
7077	Item description type, coded	O	an .. 3	* F = Free format

7081	Item characteristic, coded	O	an .. 3	NOT USED
C273	ITEM DESCRIPTION	A		
7009	Item description identification	O	an .. 7	NOT USED
1131	Code list qualifier	O	an .. 3	NOT USED
3055	Code list responsible agency,coded	O	an .. 3	NOT USED
7008	Item description	O	an .. 35	
7008	Item description	O	an .. 35	

```
Example:    IMD+F++:::item description text'
```

4.3.4.1.4 QTY - QUANTITY

This segment is used to specify quantities related to the current line item.

Segment number: 37
Conditional. / Max occurrence: 5

Seg.-No.	Description	Use	Format	Usage
C186	QUANTITY DETAILS	M		
6063	Quantity qualifier	M	an .. 3	47 = Ordered quantity
6060	Quantity	M	n .. 15	
6411	Measure unit qualifier	D	an .. 3	EA = Each BX = Box

```
Example:    QTY+47:10:EA'
```

4.3.4.1.5 FTX - Free Text

This segment is used to provide free form or coded text information which applies to the current line item.

Segment number: 41
Conditional. / Max occurrence: 5

Seg.-No.	Description	Use	Format	Usage
4451	Text subject qualifier	M	an .. 3	ZZZ = Mutually defined
4453	Text function, coded	O	an .. 3	1 = Text for subsequent use 3 = Text for immediate use
C107		O		NOT USED
C108	TEXT LITERAL	D		
4440	Free text	M	an .. 70	
4440	Free text	O	an .. 70	
4440	Free text	O	an .. 70	
4440	Free text	O	an .. 70	
4440	Free text	O	an .. 70	

```
FTX+ZZZ+3++Line Item Note free text information'
```

4.3.4.1.6 SG26 - MOA

A group of segments specifying any monetary amounts relating to the products.

Conditional. / Max occurrence: 5

4.3.4.1.6.1 MOA - Monetary amount

This segment is used to specify monetary amounts related to the current line item.

Segment number: 42
Conditional. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
C516	MONETARY AMOUNT	M		
5025	Monetary amount type qualifier	M	an .. 3	203 - Line item amount 150 - Value added tax
5004	Monetary amount	R	n .. 18	

```
Example: MOA+203:50.00'
         MOA+150:10.00'
```

4.3.4.1.7 SG28 - PRI

A group of segments identifying the relevant pricing information for the goods or services invoiced.

Conditional. / Max occurrence: 25

4.3.4.1.7.1 PRI - PRICE DETAILS

This segment is used to specify price information for the current line item.

Segment number: 47
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C509	PRICE INFORMATION	R		
5125	Price qualifier	M	an .. 3	**AAA - Calculation Net** (Mandatory, means the net price including allowances/charges but without taxes) AAB - Calculation Gross AAC – Tax Included, Allowances And Charges Not Included AAD – Average Selling Price AAE – Information Price Tax Included Excluding Allowances Or Charges AAF – Information Price Excluding Allowances Or Charges And Taxes CAL – Calculation Price INF - Information Price INV - Invoice Billing Price
5118	Price	R	n .. 15	

5375	Price type , coded	O	an .. 3	NOT USED
5387	Price type qualifier.	O	an .. 3	DPR = Discount price
5284	Unit price basis	D	n .. 9	NOT USED
6411	Measure unit qualifier	D	an .. 3	EA = Each BX = Box etc.

```
Example: PRI+AAB:60.00::::EA'
         PRI+AAA:50.00::::EA'
```

4.3.4.1.8 SG29 RFF-DTM

A group giving references and where necessary, their dates, relating to the line item.
Conditional. / Max occurrence: 10

4.3.4.1.8.1 RFF - Reference

This segment is used to provide references specific to the line item, and overrides any global references provided in the heading section of the invoice.

Segment number: 48
Mandatory. / Max occurrence: 1.

Seg.-No.	Description	Use	Format	Usage
C5062	REFERENCE	M		
1153	Reference qualifier	M	an .. 3	ALO = Receipt Number ALQ = Returns Notice Number ON = Order number (buyer) VN = Order number (supplier) SZ = Specification number IV = Invoice Number
1154	Reference number	R	an .. 35	

```
Example:    RFF+ON:Order_1234567890:1'
```

4.3.4.1.8.2 DTM - Date/Time/Period

This segment is used to specify dates and times pertinent to the previous RFF segment.

Segment number: 49
Conditional. / Max occurrence: 5

Seg.-No.	Description	Use	Format	Usage
C507	DATE/TIME/PERIOD	M		
2005	Date/Time/Period qualifier	M	an .. 3	171 = reference date/time
2380	Date/Time/Period	R	an .. 35	
2379	Date/Time/Period format qualifier	R	an .. 3	102 = CCYYMMDD

```
Example:     DTM+171:20131111:102'
```

4.3.4.1.9 SG33 TAX-MOA

A group of segments specifying tax related information for the line item.
Conditional. / Max occurrence: 99

4.3.4.1.9.1 TAX - Duty/tax/fee details

This segment is used to specify tax details for the line item being invoiced.

Segment number: 57
Mandatory. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
5283	Duty/tax/fee function qualifier	M	an..3	7 = Tax
C241	DUTY/TAX/FEE TYPE	D		
5153	Duty/tax/fee type, coded	O	an..3	GST - Goods and services tax VAT - Value added tax
C533	DUTY/TAX/FEE ACCOUNT DETAIL	O		NOT USED
5286	Duty/tax/fee assessment basis	O	an..15	NOT USED

C243	DUTY/TAX/FEE DETAIL	A		
5279	Duty/tax/fee rate identification	O	an..7	NOT USED
1131	Code list qualifier	O	an..3	NOT USED
3055	Code list responsible agency, coded	O	an..3	NOT USED
5278	Duty/tax/fee rate	R	an..17	The actual rate of tax/duty.

```
Example:     TAX+7+VAT+++:::10.00'
```

4.3.4.1.10 SG38 - ALC-ALI-SG39-SG40-SG41-SG42-SG43

A group of segments specifying allowances and charges for the line item where this is different to or not specified within the heading section.

Conditional. / Max occurrence: 15

4.3.4.1.10.1 ALC - Allowance or charge

This segment is used to specify any allowances or charges which apply only to the line item being invoiced.

Segment number: 61
Mandatory. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
5463	Allowance or charge qualifier	M	an..3	A = Allowance C = Charge
C552	ALLOWANCE/CHARGE INFORMATION	C		NOT USED
4471	Settlement, coded	O	an..3	NOT USED
1227	Calculation sequence calculator, coded	D	an..3	1 = First step of calculation

```
Example:     ALC+A+++1'
```

4.3.4.1.10.2 SG40 - PCD

A group of segments specifying the percentage for the allowance or charge

Conditional. / Max occurrence: 1

4.3.4.1.10.2.1 PCD - Percentage details

This segment is used to specify percentage discounts for the line item being invoiced.

Segment number: 64
Mandatory. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
C501	PERCENTAGE DETAILS	M		
5245	Percentage qualifier	M	an..3	1 = Allowance 2 = Charge
5482	Percentage	R	n..10	

```
Example:     PCD+1:26.72'
```

4.3.5 Invoice Summary Section

4.3.5.1 UNS - SECTION CONTROL

This segment is used to identify the break between the message detail and message trailer sections.

Segment number: 70
Mandatory. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
0081	Section identification	M	a .. 1	* S = Detail/summary section separator

```
Example:     UNS+S'
```

4.3.5.2 CNT - CONTROL TOTAL

This is used to provide message control information for checking on the message receiver's inhouse system.

Segment number: 71
Conditional. / Max occurrence: 10

Seg.-No.	Description	Use	Format	Usage
C270	CONTROL	M		
6069	Control qualifier	M	an .. 3	2 = Number of line items in the message
6066	Control value	M	n .. 18	

```
Example:    CNT+2:2'
```

4.3.5.3 SG48 - MOA-SG49

A group of segments giving total amounts for the whole invoice and - if relevant - detailing amounts pre-paid with relevant references and dates.

Mandatory. / Max occurrence: 100

4.3.5.3.1 MOA - Monetary amount

A segment specifying the total monetary amounts for the whole invoice.
The four first amounts (code 176, 79, 9 and 77) are required by ABB so at least 4 loops of the segment are mandatory.This segment is used to detail prepaid amounts, or total monetary values due for the entire invoice.

Segment number: 72
Mandatory. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
C516	MONETARY AMOUNT	M		
5025	Monetary amount type qualifier	M	an .. 3	9 = Amount due/amount payable (Amount to be paid) 79 = Total line items amount (The sum of all the line item amounts, gross value excluding allowances/charges/taxes) 125 = Taxable amount (Amount that taxes have to be applied to) 176 = Message total duty/tax/fee amount 129 = Total amount subject to payment discount

				53 = Discount amount due
5004	Monetary amount	R	n .. 18	

```
Example:    MOA+9:108.00'
            MOA+79:85.00'
            MOA+125:90.00'
            MOA+176:18.00'
```

4.3.5.4 SG50 - TAX-MOA

A group of segments specifying taxes totals for the invoice.

Conditional. / Max occurrence: 10

4.3.5.4.1 TAX - Duty/tax/fee details

This segment is used to specify the total taxes or duties due on the complete invoice.

Segment number: 75
Mandatory. / Max occurrence: 1

Seg.-No.	Description	Use	Format	Usage
5283	Duty/tax/fee function qualifier	M	an..3	7 = Tax
C241	DUTY/TAX/FEE TYPE	D		
5153	Duty/tax/fee type, coded	O	an..3	VAT - Value added tax
C533	DUTY/TAX/FEE ACCOUNT DETAIL	O		NOT USED
5286	Duty/tax/fee assessment basis	O	an..15	NOT USED
C243	DUTY/TAX/FEE DETAIL	A		
5279	Duty/tax/fee rate identification	O	an..7	NOT USED
1131	Code list qualifier	O	an..3	NOT USED
3055	Code list responsible agency, coded	O	an..3	NOT USED
5278	Duty/tax/fee rate	R	an..17	The actual rate of tax/duty.

```
Example:   TAX+7+VAT++++:::20.00'
```

4.3.5.4.2 MOA - Monetary amount

This segment is used to specify the tax amounts due, for the tax rate specified in the TAX segment, covering the whole invoice.

Segment number: 76
Conditional. / Max occurrence: 2

Seg.-No.	Description	Use	Format	Usage
C516	MONETARY AMOUNT	M		
5025	Monetary amount type qualifier	M	an .. 3	124 = Tax amount 125 = Taxable amount
5004	Monetary amount	R	n .. 18	

```
Example:    MOA+124:18.00'
            MOA+125:90.00'
```

4.3.6 Message Header (Envelope)

4.3.6.1 UNT - MESSAGE TRAILER

This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Seg.-No.	Description	Use	Format	Usage
0074	Number of segments in a message	M	n .. 6	Count of segments within the message (this includes the header segment (UNH), the trailer segment (UNT) and all segments in between those both). Count starts with UNH (segment number 1) and ends with UNT (segment number n).
0062	Message reference number	M	an .. 14	This message number should equal the one specified in the UNH segment

```
Example:    UNT+62+1099'
```

4.3.7 Interchange Section

4.3.7.1 UNZ - INTERCHANGE TRAILER

This segment is the Interchange Trailer segment of an EDIFACT document. This segment indicates the end of an interchange and checks the interchange reference and number of documents in the interchange.

Seg.-No.	Description	Use	Format	Usage
0036	Interchange Control Reference	M	n .. 6	This element indicates the number of messages in an interchange.
0020	Interchange Control Reference	M	an .. 14	This element is a unique reference assigned by the sender to the interchange. This data element must repeat the value of UNB:0020.

```
Example:    UNZ+1+4795'
```

5 Example

UNA:+.? '

UNB+UNOC:3+SENDERID:ZZZ+RECEIVERID:ZZZ+131112:1303+4795 +++++EANCOM'

UNH+4795+INVOIC:D:96A:UN:EAN008'	Message header
BGM+380+Invoice_1234567+9'	Invoice number “Invoice_1234567”
DTM+137:20110826:102'	Message date 26th August 2011
DTM+11:20110705:102'	Despatch date 5th July 2011
FTX+ZZZ+1++Invoice header note with free text information on invoice header level:for specific message from supplier to buyer'	Free text information
RFF+ON:Order_1234567890'	Order number “Order_1234567890'”
DTM+171:20110606:102'	Order date 6th June 2011
NAD+SU+VendorID::92+SellerName1:SellerName2:SellerName3::+SellerName2+SellerStreet 12+SellerCity++12345+SE'	Supplier's vendorID and address details

FII+RB+SellerBankAccountID:SellerBankAccountName:+Bank_ID:25:5:Branch_ID:::Seller Bank:SellerCity, SellerCountry'	Supplier's bank information
RFF+VA:SellerVATNumber'	Supplier's VAT number
RFF+AHP:SellerCompanyRegistrationNumber'	Supplier's company registration number
RFF+PY:IBAN Number'	Suppliers merchantil number
CTA+PD+:SellerOrderContactName'	Supplier's purchasing contact department
COM+004681234567:TE'	Supplier's contact phone number
COM+004681234567:FX'	Supplier's contact fax number
COM+SellerOrderContact@seller.com:EM'	Supplier's contact email address
NAD+RE+0827002100084::9+RemitToName1:RemitToName2:RemitToName3::+RemitToName+RemitToStreet 12+RemitToCity++12345+SE'	Supplier's remittance GLN and address
CTA+AD+:Financial Department'	Supplier's accounting department
COM+finance@seller.com:EM'	Supplier's contact email address
NAD+BY+CUK_2732::91+BuyerName1:BuyerName2:BuyerName3++BuyerStreet 12+BuyerCity++12345+SE'	Buyer's code and address
RFF+VA:BuyerVATNumber'	Buyer's VAT number
RFF+AHP:BuyerCompanyRegistrationNumber'	Buyer's company registration number
CTA+PD+RequisitionerID:RequisitionerIDName'	
COM+?+4681234567:TE'	
COM+?+4681234567:FX'	
COM+Requisitioner@buyer.com:EM'	
NAD+BT+1619+BillToName1:BillToName2:BillToName3++BillToStreet 12+BillToCity++12345+SE'	BillTo Party's code and address
NAD+DP+CUK_2732-3::91+ShipToName1:ShipToName2:ShipToName3++ShipToStreet 12+ShipToCity++12345+SE'	Delivery Party's code and address
CTA+AD+GoodsReceiverID:GoodsReceiverName'	Delivery Party's contact

CUX+2:SEK:4'	Currency information
PAT+1+6:::PaymentTerms freetext note'	Payment terms
DTM+7:20131211:102'	Effective date of payment
ALC+C++6++FC	Freight charge
MOA+23:5'	Charge amount
MOA+150:1'	VAT on charge
TAX+7+VAT+++:::20.00'	VAT rate on charge
LIN+1++82700225686:EN'	First invoice line with EAN code of product
PIA+1+ALI0767000100:SA'	Supplier article number
PIA+1+0767 000 100:MF'	Manufacturer's part number
PIA+1+G0248768:IN	Buyer article number
IMD+F++:::item description text'	Item description
QTY+47:1:EA'	Quantity and UOM
FTX+ZZZ+3++Line Item Note free text information	Line item note
MOA+203:50.00'	Line item amount
MOA+150:10.00'	Line item VAT amount
PRI+AAB:60.00::::EA'	Gross price per UOM
PRI+AAA:50.00::::EA'	Net price per UOM incl. allowances and charges
RFF+ON:Order_1234567890:1'	Original PO number (from customer)
DTM+171: 20110606:102'	PO date
RFF+VN:16572.1555'	Sales order number (from supplier)
TAX+7+VAT+++:::20.00'	VAT rate on item
B.LIN.LIN: LIN+2++82700221652:EN	First invoice line with EAN code of product
B.LIN.PIA: PIA+1+BLIX967000100:SA	Supplier article number
B.LIN.PIA: PIA+1+0711 0010100:MF	Manufacturer's part number

B.LIN.PIA: PIA+1+G0248123:IN	Buyer article number
B.LIN.IMD: IMD+F++:::item description text	Item description
B.LIN.QTY: QTY+47:1:EA	Quantity and UOM
B.LIN.MOA.MOA: MOA+203:35.00	Line item amount
B.LIN.MOA.MOA: MOA+150:7.00	Line item VAT amount
B.LIN.PRI.PRI: PRI+AAB:42.00::::EA	Gross price per UOM
B.LIN.PRI.PRI: PRI+AAA:35.00::::EA	Net price per UOM incl. allowances and charges
B.LIN.RFF.RFF: RFF+ON:Order_1234567890:2	Original PO number (from customer)
B.LIN.RFF.DTM: DTM+171:20131111:102	PO date
B.LIN.RFF.RFF: RFF+VN:16752.1196	Sales order number (from supplier)
B.LIN.TAX.TAX: TAX+7+VAT+++:::20.00	VAT rate on item
UNS+S'	Message detail/summary separator
CNT+2:1'	Number of line items in the message
MOA+9:108.00'	Amount due (total amount)
MOA+79:85.00'	Total line items amount (net value)
MOA+125:90.00'	Taxable amount
MOA+176:18.00'	Total VAT
TAX+7+VAT+++:::20.00'	VAT rate 20%
MOA+124:18.00'	VAT amount in VAT rate 20%
MOA+125:90.00'	Taxable amount in VAT rate 20%
UNT+76+4795	Message trailer (62 segments in the message)