

L.8 USING THE INVOICE MESSAGE FOR INVOICES AND CREDIT NOTES

L.8.0 CHANGES FROM VERSION 1.1

Corrections issued September 2002

- Page L-8-12 BGM segment 2, DE 1001: code value 38A for an approval invoice has been added. This value was assigned at an early stage in EDItEUR development, but was omitted from the documentation. DE 3055 may be used to specify that this is an EDItEUR code value.
- Page L-8-19 RFF segment 11, DE 1153: code value FC for a tax payer's number has been added, since this number is mandatory under new German legislation and may be required in other countries.
- Page L-8-45 An error in the definition of code value LCO, caused by copying the table of code values from the ORDERS message specification, has been corrected.

Changes in the version dated 11 September 2001

- Page L-8-3 Throughout the introductory text, references to "debit notes" have been removed.
- Page L-8-5 The text of L.8.2.6 has been revised and clarified.
- Page L-8-6 DTM segment 8 has been deleted from the RFF-DTM segment pair in the header. QTY segment 27 has been added to the header. FTX segment 41 has been added to the detail section. Other revisions have been made to bring the diagram and accompanying text into line with the message specification.
- Page L-8-7 New section L.8.6 has been added to show the full EANCOM message structure. Subsequent sections and pages have been renumbered. DTM segment 8 has been deleted from the RFF-DTM segment pair in the header. QTY segment 27 has been added to the header. FTX segment 41 has been added to the detail section.
- Page L-8-12 BGM segment 2, DE 1001: code value 383 ("debit note") has been deleted, as have references to "debit notes" in other data elements throughout the document.
BGM segment 2, DE 1000: status has been changed to "do not use", since this DE is redundant here, but will now be used in journal invoices and credit notes (see page S.6.5)
BGM segment 2, DE 1225: code value 9 has been added; code value 1, which was added provisionally, has been deleted; code value 46 has been added for a "do not pay" invoice.
- Page L-8-14 RFF segment 7, DE 1153: code value AE has been deleted (all customer references are expected to be given at line level); code value DQ has been added; the example has been corrected.
- Page L-8-15 NAD segment 9, DE 3035: code value DP has been added.
DE 3055: code value 31B has been added.
- Page L-8-17 RFF segment 11, DE 1153: code value IA has been added. Code value TL has been added for use with TAX segment 14.
- Page L-8-18 Segment group SG06 TAX-MOA has been added.
- Page L-8-20 CUX segment 16: composite C504 has been corrected.
- Page L-8-21 PAT segment 18, DE 4279: code value 3 has been added.

- Page L-8-22 TDT segment 22, composite C220: text has been amended to confirm EAN acceptance of change.
TDT segment 22: examples have been corrected.
- Page L-8-23 Segment group SG15 : introductory text has been revised.
ALC segment 26: composite C214 has been revised.
- Page L-8-24 ALC segment 26, DE 7161: code table has been added.
- Page L-8-25 QTY segment 27 has been added.
PCD segment 28: DE 5249 has been added.
PCD segment 28 example: text has been corrected.
- Page L-8-26 MOA segment 29: DE 5004: the amount format has been corrected to 15 digits and up to 3 decimal places (and similarly in all other MOA segments in the message).
- Page L-8-27 TAX segment 31: DE 5286 has been added (and in all subsequent TAX segments).
TAX segment 31: the example has been corrected (and in all subsequent TAX segments).
- Page L-8-28 MOA segment 32: code values 124 and 125 are now both included.
Segment group SG15 examples have been added.
- Page L-8-30 PIA segment 34, DE 4347: code values 1S and 5V have been added
PIA segment 34, DE 7143: code value IN has been added
- Page L-8-32 IMD segment 41: the specification has been revised to be consistent with consolidated EDItEUR codes for DE 7081; full up-to-date code lists have been added.
- Page L-8-35 QTY segment 37, DE 6063: code values previously specified for debit notes only have been deleted, and code value 1 has been added.
- Page L-8-37 GIR segment 39A has been added. The specification has been revised (note in particular DE 7297), and the code list has been extended to support wider usage.
- Page L-8-38 A full code list for the GIR segment has been added to make the specification self-contained. The following new codes have been added: LAF, LAL, LLN, LQT, LVC, LVT; and definitions have been changed and expanded.
- Page L-8-40 FTX segment 41 has been revised to remove “reason for credit” codes and restrict usage to a free text statement of the reason for a credit line.
- Page L-8-41 MOA segment 42, DE 5025: the definition of code value 203 has been changed to make it clear that the amount excludes any applicable taxes; code values 52 and 113 have been added. Code value 128 has been added to allow a line item total including tax to be stated.
- Page L-8-42 PRI segment 47: text and presentation have been revised for consistency with other messages.
- Page L-8-43 PRI segment 47, DE 5387: new EDIFACT code ABC replaces old EDItEUR code MBP.
PRI segment 47: the examples have been changed to illustrate the use of DE 5125 codes AAB and AAF.
- Page L-8-45 RFF segment 48, DE 1153: code values IA, IV, OI have been added.
- Page L-8-49 MOA segment 58, DE 5025: code value 56 has been added to allow taxable amount to be shown at unit price level; code values 124 and 125 are now both included in MOA DE 5025.
- Page L-8-50 Segment group SG38 and ALC segment 61 have been revised to clarify intended usage.
- Page L-8-51 PCD segment 64: text has been revised to be consistent with the previous page.

- Page L-8-52 A new example of the use of segment group SG38 has been added.
- Page L-8-54 MOA segment 68: code values 124 and 125 are now both included in DE 5025.
- Page L-8-57 MOA segment 72, DE 5025: code values have been revised, extended and re-ordered, with added notes on calculation.
- Page L-8-61 The introductory text for segment group SG51 has been revised.
- ALC segment 77: the status of DE 1227 has been changed to “not used”, for consistency with EANCOM.
- ALC segment 77, DE 7161: a cross-reference has been inserted to the code table under ALC segment 26. Text has been revised to explain usage for summary totals by specific charge types.

L.8.1 PRINCIPLES

In library book supply the EANCOM message (INVOIC) may be used for the following applications:

- (a) To send an invoice from a supplier to a customer. In library book supply, the invoice message usually also acts as a notification that the invoiced items have been or are being despatched to the customer.
- (b) To send a credit note from a supplier to a customer.

An INVOIC message representing a supplier's invoice should correspond to a single shipment of goods from supplier to customer. Alternatively, where the customer has requested a separate invoice for an individual order line item, it may cover a single item, which may have been delivered separately or as part of a larger delivery.

For simplicity, it is strongly recommended that an invoice in this application should not cover multiple shipments. Consolidated invoices can be sent as EDI INVOIC messages, with a distinctive code in BGM DE 1001, but they are not covered in these *Guidelines*.

In library book supply, INVOIC messages may cover order lines which were originally sent in different order messages on a wide range of different dates. For this reason it is a fundamental principle that individual invoice lines should be wholly self-contained and should carry a unique reference to the original order line. Information about the despatch to which the invoice corresponds is, however, sent at message level, not at line level.

An INVOIC message may be sent as an original invoice or credit note with the same legal and tax significance as the corresponding paper document, or it may be sent as an electronic copy of a paper original, sent by EDI in order that the customer can take the relevant data straight into his own computer system without re-keying.

For an INVOIC message to be treated as an original document, the tax authorities in the country or countries concerned must have authorised the message formats for this purpose and are likely to have laid down conditions which must be met by the sending and receiving parties. These conditions cannot be covered in EDItEUR *Guidelines*. Organisations intending to implement EDI invoices must check with their own tax administration. However, it is possible to benefit from an EDI transfer of invoice content while continuing to send paper invoices for legal and tax purposes. In this case the EDI messages must be labelled as ‘copies’ in BGM DE 1225.

These *Guidelines* cover only a “copy” invoice or credit note which is not a legal or tax document, though it includes details of any tax which is chargeable on the transaction.

L.8.2 CONTENT

The key elements of content in the INVOIC message are:

- (a) A unique identification of the order line to which the invoiced item refers, or of the invoice line in the case of a credit item.
- (b) A unique identification of the ordered title.
- (c) If required, a brief description of the title. Full bibliographic detail is not carried in an INVOIC message.
- (d) The quantity invoiced or credited.
- (e) The unit price or prices (eg publisher's list price in the original currency, and its equivalent in the invoicing currency), the extended line value, any allowances or charges, and any applicable taxes.
- (f) References for the line item.

L.8.2.1 Identification of the order and/or invoice line

Each invoice line item must contain a reference to the customer's unique order line number which was sent in the ORDERS message in RFF segment 51, DE 1154, code LI, or to a blanket or continuation order number if the item is supplied under the terms of one of these types of order.

Each credit note line must contain a reference to the invoice line to which it refers, and should also contain the related order reference.

L.8.2.2 Identification of the invoiced title

Each title listed in an INVOIC message should be identified exactly as in the buyer's order line (see section L.4.1.3), except that if the order line did not include an ISBN or other product code, the supplier should if possible add it to the invoice line.

L.8.2.3 Description of the title

Given the unique identification defined above, there should be no need to carry title description in an INVOIC line. If so agreed between trading partners, however, up to 10 repeats of IMD segment 35 may be used to carry a short bibliographic description.

L.8.2.4 Quantity invoiced/credited/returned for credit

The applicable quantity or quantities for the line item must be stated in QTY segment 37, DE 6060.

L.8.2.5 Price and line value

The unit price on which the invoice calculation for a line item is based must be stated in the invoicing currency in PRI segment 47. In library supply this is typically the publisher's suggested retail price for the item, which may then be subject to library discount.

The line value excluding tax (if any) but including any allowances or ancillary charges which are made at line level must be stated in the invoicing currency in MOA segment 42. Other monetary figures which some users may wish to carry at line level may be sent as additional repeats of this segment.

L.8.2.6 References in an INVOIC message

The essential references in an INVOIC line are the buyer's unique identification of the order line to which it relates, and (for credit notes) the number of the invoice against which a credit is made. These must be given in RFF segment 48, DE 1154, coded respectively LI and IV in DE 1153. The supplier may also send a supplier's order line reference, coded SLI in DE 1153.

Other optional references are listed in the code table for RFF segment 48, DE 1154.

If the message is an invoice accompanying a despatch on approval, a reference to the related QUOTES message should be given in RFF segment 7, DE 1154, coded AAG in DE 1153. Individual quotation line references may also be given in RFF segment 48.

L.8.3 CURRENCY IN EDI INVOICES

Three types of currency may be specified in an EDI invoice for library book supply:

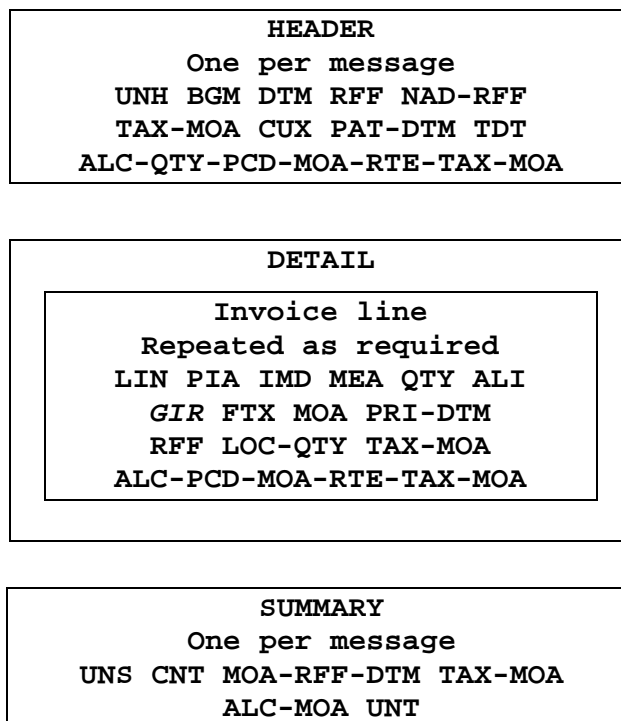
- (a) The invoicing currency, in which a unit price for each item must be stated, and all other monetary amounts in the invoice must be shown, with the two exceptions detailed in (b) and (c) below. The invoicing currency should be specified in CUX segment 16.
- (b) A pricing currency, where the supplier's unit price is based on a publisher's price in a different currency. A unit price in a currency other than the invoicing currency must be shown in MOA segment 42. The exchange rate from the pricing currency to the invoicing currency may be shown in a repeat of CUX segment 16. (This is a less satisfactory mechanism than the PRI-CUX segment pair which exists at line level in QUOTES, ORDERS etc, and EDItEUR has submitted a change request to add the same functionality to the INVOIC; but this requires an EDIFACT change, and will not be available in the present EANCOM/EDItEUR release.)
- (c) An alternative payment currency, if required. The only amount which should be stated in an alternative payment currency is the final total amount which the invoicee is expected to pay, in MOA segment 72. The alternative payment currency, if any, should be specified along with the invoicing currency in a single occurrence of CUX segment 16, where the exchange rate from the invoicing currency can also be shown.

L.8.4 EDIFACT DIRECTORY

The version of the invoice message adopted by EDItEUR is EANCOM INVOIC Version 008, taken from the 1997 release of the EANCOM message set, based on EDIFACT Directory D.96A.

L.8.5 MESSAGE BLOCK DIAGRAM

The broad structure of the invoice message as used for this application is depicted below:



The **header** section specifies the message type, gives the message a unique identification and date, carries any general references, names the sender and addressee, and may give tax, currency, charging and shipping detail which applies to the invoice as a whole.

The **detail** section consists of a group of twenty-two segments which together constitute a single invoice line. The LIN segment carries the line sequence number within the message. The PIA segment carries product codes other than EAN numbers. The IMD segment may carry a brief text description of the invoiced item. The MEA segment may carry the weight of the invoiced item. The QTY segment gives the invoiced quantity. The ALI segment may give coded information on the type of supply if other than a normal sale (eg rental or lease). The GIR segment can be used for copy- or part-order-related detail. The MOA segment gives an extended line value, and may give a unit price in a currency other than the invoicing currency, on which the invoice price is based. The PRI-DTM segment pair states the unit price in the invoicing currency. The RFF segment carries references specific to the line item. The LOC-QTY segment pair may carry details of different delivery locations for invoiced items. The first TAX-MOA segment pair specifies tax which applies to the line item; and the ALC-...-MOA segment group details charges or allowances at line level.

The **summary** section carries control totals and repeats the unique identification of the message for purposes of integrity checking. It also carries various summary figures required for tax calculation, as well as the final total to be paid by the invoicee.

L.8.6 INVOIC MESSAGE STRUCTURE

The table on the next four pages shows the complete EANCOM INVOIC message structure. Shaded segments and segment groups are NOT used in the EDItEUR implementation for library book supply.

The first column identifies the segment or segment group. The second column shows the EANCOM segment number. The third column shows the status of the segment or segment group in EDIFACT terms (NOT specifically for the EDItEUR application). In this column, letter M means “mandatory if the segment group to which the segment belongs is used”. Letter C means “conditional”, or not mandatory. The fourth column shows the maximum number of occurrences of the segment in each occurrence of the segment group to which it belongs.

Header

	<i>Seg no</i>	<i>Status</i>	<i>Repeats</i>	<i>Description</i>	
	UNH	1	M	1	MESSAGE HEADER
	BGM	2	M	1	Beginning of message
	DTM	3	M	35	Date/time/period
	PAI	4	C	1	Payment instructions
	ALI	5	C	5	Additional information
	FTX	6	C	10	Free text
	SG01		C	99	RFF-DTM
	RFF	7	M	1	Reference
	DTM	8	C	5	Date/time/period
	SG02		C	99	NAD-FII-SG03-SG05
	NAD	9	M	1	Name and address
	FII	10	C	5	Financial institution information
	SG03		C	9999	RFF
	RFF	11	M	1	Reference
	SG05		C	5	CTA-COM
	CTA	12	M	1	Contact information
	COM	13	C	5	Communication contact
	SG06		C	5	TAX-MOA
	TAX	14	M	1	Duty/tax/fee details
	MOA	15	C	1	Monetary amount
	SG07		C	5	CUX-DTM
	CUX	16	M	1	Currencies
	DTM	17	C	5	Date/time/period
	SG08		C	10	PAT-DTM-PCD-MOA
	PAT	18	M	1	Payment terms basis
	DTM	19	C	5	Date/time/period
	PCD	20	C	1	Percentage details
	MOA	21	C	1	Monetary amount
	SG09		C	10	TDT
	TDT	22	M	1	Details of transport

	SG12		C	5	TOD-LOC
	TOD	23	M	1	Terms of delivery or transport
	LOC	24	C	2	Place/location identification
	SG13		C	1000	PAC
	PAC	25	M	1	Package
	SG15		C	9999	ALC-SG17-SG18-SG19-SG20-SG21
	ALC	26	M	1	Allowance or charge
	SG17		C	1	QTY
	QTY	27	M	1	Quantity
	SG18		C	1	PCD
	PCD	28	M	1	Percentage details
	SG19		C	2	MOA
	MOA	29	M	1	Monetary amount
	SG20		C	1	RTE
	RTE	30	M	1	Rate details
	SG21		C	5	TAX-MOA
	TAX	31	M	1	Duty/tax/fee details
	MOA	32	C	1	Monetary amount

Detail

	SG25		C	9999999	LIN-PIA-IMD-MEA-QTY-ALI-DTM-QVR-FTX-SG26-SG27-SG28-SG29-SG30-SG32-.....-SG44
	LIN	33	M	1	Line item
	PIA	34	C	25	Additional product id
	IMD	35	C	10	Item description
	MEA	36	C	5	Measurements
	QTY	37	C	5	Quantity
	ALI	38	C	5	Additional information
	DTM	39	C	35	Date/time/period
	GIR	39A	C	1000	
	QVR	40	C	1	Quantity variances
	FTX	41	C	5	Free text
	SG26		C	5	MOA
	MOA	42	M	1	Monetary amount
	SG27		C	10	PAT-DTM-PCD-MOA
	PAT	43	M	1	Payment terms basis
	DTM	44	C	5	Date/time/period
	PCD	45	C	1	Percentage details
	MOA	46	C	1	Monetary amount
	SG28		C	25	PRI
	PRI	47	M	1	Price details
	DTM	47A	C	5	Date/time/period
	SG29		C	10	RFF-DTM
	RFF	48	M	1	Reference
	DTM	49	C	5	Date/time/period

	SG30		C	10	PAC-MEA-SG31
	PAC	50	M	1	Package
	MEA	51	C	10	Measurements
	SG31		C	10	PCI-GIN
	PCI	52	M	1	Package identification
	GIN	53	C	10	Goods identity number
	SG32		C	9999	LOC-QTY-DTM
	LOC	54	M	1	Place/location identification
	QTY	55	C	100	Quantity
	DTM	56	C	5	Date/time/period
	SG33		C	99	TAX-MOA
	TAX	57	M	1	Duty/tax/fee details
	MOA	58	C	1	Monetary amount
	SG34		C	20	NAD-SG35
	NAD	59	M	1	Name and address
	SG35		C	5	RFF
	RFF	60	M	1	Reference
	SG38		C	15	ALC-ALI-SG39-SG40-SG41-SG42-SG43
	ALC	61	M	1	Allowance or charge
	ALI	62	C	5	Additional information
	SG39		C	1	QTY
	QTY	63	M	1	Quantity
	SG40		C	1	PCD
	PCD	64	M	1	Percentage details
	SG41		C	2	MOA
	MOA	65	M	1	Monetary amount
	SG42		C	1	RTE
	RTE	66	M	1	Rate details
	SG43		C	5	TAX-MOA
	TAX	67	M	1	Duty/tax/fee details
	MOA	68	C	1	Monetary amount
	SG44		C	10	TDT
	TDT	69	M	1	Details of transport

Summary

	UNS	70	M	1	SECTION CONTROL
	CNT	71	C	10	Control total
	SG48		M	100	MOA-SG49
	MOA	72	M	1	Monetary amount
	SG49		C	1	RFF-DTM
	RFF	73	M	1	Reference
	DTM	74	C	5	Date/time/period
	SG50		C	10	TAX-MOA
	TAX	75	M	1	Duty/tax/fee details
	MOA	76	C	2	Monetary amount

	SG51		C	15	ALC-ALI-MOA
	ALC	77	M	1	Allowance or charge
	ALI	78	C	1	Additional information
	MOA	79	C	2	Monetary amount
	UNT	80	M	1	MESSAGE TRAILER

L.8.7 EXAMPLE OF A BOOK INVOICE MESSAGE

UNH+INV001235+INVOIC:D:96A:UN:EAN008'
 BGM+380+SU445+43'
 DTM+131:010831:102'
 DTM+137:010831:102'
 NAD+BY+5412345000176::9'
 NAD+SU+4012345000094::9'
 RFF+VA:123456789'
 PAT+1++5:3:D:30'

 LIN+1'
 PIA+5+0862102634:IB'
 QTY+47:9'
 MOA+203:56.62'
 PRI+AAE:6.99'
 RFF+LI:BY99374'
 TAX+7+VAT++++Z'
 ALC+A++++DI'
 PCD+3:10'

 LIN+2'
 PIA+5+0140374132:IB'
 QTY+47:3'
 MOA+203:10.77'
 PRI+AAE:3.99'
 RFF+LI:BY99375'
 TAX+7+VAT++++Z'
 ALC+A++++DI'
 PCD+3:10'

 UNS+S'
 CNT+2:2'
 MOA+79:67.39'
 MOA+129:67.39'
 MOA+176:0'
 MOA+86:67.39'
 MOA+9:67.39'
 TAX+7+VAT++++Z'
 MOA+125:67.39'
 MOA+124:0'
 UNT+37+INV001235'

Header
 Copy of invoice number SU445
 Tax point date 31 August 2001
 Message date 31 August 2001
 Buyer's EAN code
 Supplier's EAN code
 VAT number 123456789
 30 day payment terms

 Line 1
 ISBN as product identification
 Nine copies invoiced
 Line item amount
 Information price
 Buyer's order line number
 VAT zero-rated
 Discount applicable
 at 10 per cent

 Line 2
 ISBN as product identification
 Three copies invoiced
 Line item amount
 Information price
 Buyer's order line number
 VAT zero-rated
 Discount applicable
 at 10 per cent

 Summary section
 No of line items = 2
 Total line item amounts
 Total before tax and payment discount
 Total tax amount
 Total after tax before payment discount
 Total amount payable
 Tax summary: zero rate
 Amount taxable at zero rate
 Amount of tax payable
 Message trailer: 37 segments

L.8.8 INVOICE MESSAGE SUBSET FOR BOOK INVOICES AND CREDIT NOTES

1	UNH MESSAGE HEADER			One mandatory occurrence per message
+ 0062	Message reference no	M	an..14	Sender's unique message reference. By convention, incorporates a sequence number of the message within the interchange.
	S009 MESSAGE IDENTIFIER	M		
+ 0065	Message type identifier	M	an..6	INVOIC = invoice
: 0052	Message type version no	M	an..3	D
: 0054	Message type release no	M	an..3	96A = EDIFACT Directory D.96A
: 0051	Controlling agency	M	an..2	UN = agency responsible
: 0057	Association assigned code	M	an..6	EAN008 = EAN version number
+ 0068	Common access reference	N		Not used in EANCOM
+ S010	Status of the transfer	N		Not used in EANCOM

Example:

UNH+ME050123+INVOIC:D:96A:UN:EAN008'

2 BGM BEGINNING OF MESSAGE

One mandatory occurrence per message

C002	DOCUMENT/MESSAGE NAME	M		
+ 1001	Document/message code	M	an..3	380 = invoice 38A = invoice for goods supplied on approval (EDItEUR code) 381 = credit note
:	1131 Code list qualifier	N		Not used in EANCOM
:	3055 Code list agency code	D	an..3	28 = EDItEUR, if an EDItEUR code value is used in DE 1001
:	1000 Document/message name	N		Do not use
+ 1004	Document/message number	M	an..35	Invoice number assigned by document sender: mandatory in EANCOM
+ 1225	Message function, coded	M	an..2	Mandatory in EANCOM 9 = original: the EDI INVOIC is the authoritative document for legal and tax purposes <i>(Trading partners using this form must satisfy themselves that any special requirements of their local tax administration have been met)</i> 43 = additional transmission: an EDI copy of an invoice or credit note sent also in paper form, the latter being the authoritative document for legal and tax purposes 46 = provisional: use when the EDI INVOIC is in effect a priced delivery note, and payment will be made later on a consolidated paper invoice
+ 4343	Response type, coded	N		Not used in this application

Example:

BGM+380+9701234+43'

EDI copy of paper invoice number 9701234

3 DTM DATE/TIME/PERIOD

One mandatory occurrence per message, to give the message date. A second occurrence may also be mandatory in VAT invoices and credit notes, to give the tax point date when the INVOIC message is a tax document. Inclusion of the tax point date is mandatory in the UK even when it is the same as the invoice date.

C507	DATE/TIME/PERIOD		M		
+ 2005	Date/time/period qualifier		M	an..3	131 = tax point date (CCYYMMDD) 137 = message date (CCYYMMDD) (mandatory in all messages)
:	2380	Date/time/period	M	an..35	Date in the prescribed format
:	2379	Date/time/period format code	M	an..3	102 = code for CCYYMMDD date format

Example:

DTM+137:19960920:102'

Message date 20 September 1996

Segments 4 to 6 (PAI, ALI, FTX) are not used in this application

SG01 RFF-DTM

Segment group SG01: optionally, up to ten occurrences per message, giving references for the message as a whole. Only RFF segment 7 is used in this application.

7 RFF REFERENCE

One mandatory occurrence per repeat of SG01

C506 REFERENCE		M	
+ 1153 Reference qualifier		M	an..3
: 1154 Reference number		M	an..35
: 1156 Line number		N	
: 4000 Reference version number		N	

AAG = quotation number: use when the invoice is sent in connection with the delivery of books supplied under an approval plan or blanket order, to give a reference to an accompanying QUOTES message. The reference here should be to the number given in BGM segment 2, DE 1004, in the QUOTES message.
DQ = delivery note number

Not used in EANCOM
Not used in EANCOM

Example:

RFF+AAG:9700123'

Segment 8 (DTM) is not used in this application

SG02 NAD-SG03-SG05

Each occurrence of SG02 identifies a party to the transaction and may give other linked information. In this application, there will be two mandatory occurrences per message, to show buyer and supplier, and up to three additional occurrences to show the delivery address, invoicee and payee if these are different from the buyer and supplier.

9 NAD NAME AND ADDRESS

One mandatory occurrence per repeat of segment group SG02

+ 3035 Party qualifier M an..3

BY = buyer
 DP = delivery address, if other than buyer
 IV = invoicee, if other than buyer
 PE = payee, if other than supplier
 SU = supplier

C082 PARTY IDENTIFICATION
 + 3039 Party identification code D an..17

If possible, use coded identification in composite C082, preferably an EAN code
 Mandatory if composite C082 is used: EAN location code (format n13), or other mutually agreed code

: 1131 Code list qualifier N

Not used in EANCOM

: 3055 Code list responsible agency D an..3

Mandatory if composite C082 is used
 9 = EAN
 31B = US SBN Agency, for US book trade SANs (Standard Address Numbers) (EDItEUR code)
 91 = Assigned by supplier or supplier's agent
 92 = Assigned by buyer

+ **C058 NAME AND ADDRESS** N

Composite C058 is not used in EANCOM

C080 PARTY NAME D

It is recommended that name and address are sent as structured text only if no ID code is used (DE 3039). Where text is used, a consistent form of each name and address should be adopted across all messages in which it appears.

+ 3036 Party name D an..35

Party name in clear text. Organisation names should be entered 'top down', ie with the name of the whole organisation first, followed by divisions or departments.

: 3036 Party name D an..35

: 3036 Party name D an..35

: 3036 Party name D an..35

: 3036 Party name D an..35

/continued

9 NAD NAME AND ADDRESS *(continued)*

:	3045	Name format, coded	N		Not used in this application
	C059	STREET	D		See composite C080
+	3042	Street & number/PO Box	D	an..35	Building name and/or number and street name, and/or PO Box number
:	3042	Street & number/PO Box	D	an..35	
:	3042	Street & number/PO Box	D	an..35	
+	3164	City name	D	an..35	City or town name in clear text
+	3229	Country sub-entity ID	D	an..9	County, state, province in clear text
+	3251	Postcode	D	an..9	Postal code
+	3207	Country, coded	D	an..3	ISO 3166 two-alpha code

Examples:

NAD+BY+5034567876543::9'
 NAD+SU+5098765432189::9'

Buyer and supplier identified by EAN location numbers

NAD+BY+++Stadt- und Universitätsbibliothek
 :FfM:Erwerbungsabteil+Bockenheimer Landst
 rasse 134:PO Box 1006+FRANKFURT++60325+DE'

Buyer identified by structured text

Segment 10 (FI) is not used in this application

SG03 RFF

Segment group SG03: EANCOM uses only the RFF segment

11 RFF REFERENCE

Up to three occurrences per segment group SG02, giving the VAT or other tax registration number of the party named in the linked NAD segment, where required as part of the invoice; and/or an additional identification code for the party, normally a supplier's account code for the customer (API) or a customer's internal vendor reference (IA); and/or a tax exemption licence number, when exemption is claimed in TAX segment 14.

C506 REFERENCE M
 + 1153 Reference qualifier M an..3

API = additional party identification (EAN code): use with a NAD segment coded BY in DE 3035 for a coded identification which is additional to the linked NAD segment - typically this may be a supplier's own code for a library account or customer department (EAN code)

FC = fiscal number: number assigned to a tax payer (personal or corporate) by a national tax authority (this number is different from the VAT registration number): use when so required by national legislation.

IA = internal vendor number: use with a NAD segment coded SU in DE 3035 when a library has multiple vendor references which apply to different types of business with the same supplier

TL = tax exemption licence number

VA = VAT registration number

: 1154 Reference number M an..35
 : 1156 Line number N
 : 4000 Reference version number N

Not used in EANCOM

Not used in EANCOM

Example:

RFF+VA:123456789'

VAT number 123456789

Segments 12 (CTA) and 13 (COM) (SG05) are not used in this application.

SG06	TAX-MOA			Up to five occurrences of segment group SG06 may be used to specify taxes which apply at whole-invoice level, or to indicate that the entire transaction is tax-exempt.
14	TAX DUTY/TAX/FEE DETAILS			One occurrence per segment group SG06 is used to specify a type and rate of tax applying to the entire invoice, or to state that it is tax-exempt. If tax is calculated at line level, the type and rate must be stated at line level, and not in SG06.
+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
	C241 DUTY/TAX/FEE TYPE	M		
+ 5153	Duty/tax/fee type code	M	an..3	GST = goods and services tax IMP = import tax VAT = value added tax
:	1131 Code list qualifier	N		Not used in this application
:	3055 Code list agency code	N		Not used in this application
:	5152 Duty/tax/fee type	N		Not used in this application
+ C533	DUTY/TAX/FEE A/C DETAIL	N		Composite C533 is not used in this application
+ 5286	Duty/tax/fee assessment basis	N		Not used in this application
	C243 DUTY/TAX/FEE DETAIL	D		
+ 5279	Duty/tax/fee rate ID	D	an..7	Defined at national or state level
:	1131 Code list qualifier	D	an..3	
:	3055 Code list agency code	D	n..3	
:	5278 Duty/tax/fee rate	D	an..17	Stated as a percentage of whole invoice value, eg 17.5 (up to 4 decimal places)
:	5273 Duty/tax/fee rate basis ID	N	an..12	Not used in this application
:	1131 Code list qualifier	N	an..3	Not used in this application
:	3055 Code list agency code	N	n..3	Not used in this application
+ 5305	Duty/tax/fee category code	D	an..3	Mandatory in the case of VAT E = exempt from tax G = export item, tax not charged H = higher rate
				L = lower rate S = standard rate Z = zero-rated
+ 3446	Party tax ID number	N		Not used in this application
Example:				
	TAX+7+++++E'			Invoice is tax-exempt

15 MOA MONETARY AMOUNT

One occurrence per segment group SG06 to give the amount of the tax specified in the linked TAX segment. Omitted if the TAX segment is used to claim exemption.

	C516 MONETARY AMOUNT		M		
+	5025 Monetary amount qualifier		M	an..3	124 = amount of tax payable
:	5004 Monetary amount		M	n..18	Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
:	6345 Currency, coded		N		Not used in this application: all allowances and charges will be shown in the invoicing currency only
:	6343 Currency qualifier		N		Not used in this application
:	4405 Status, coded		N		Not used in EANCOM

Example:

MOA+124:10.5'

Tax amount is 10.50 in the invoicing currency

SG07 CUX-DTM

Segment group SG07: only CUX segment 16 is used in this application

16 CUX CURRENCIES

Required in international trading, otherwise optional: one occurrence per message to show the currency of the invoice and, if applicable, an alternative payment currency and its exchange rate. Up to 4 additional occurrences may be used to show the exchange rate between the invoicing currency and other currencies referred to in the invoice (eg where the invoiced price is derived from a publisher's price in another currency).

	C504 CURRENCY DETAILS		M		
+	6347	Currency details qualifier	M	an..3	2 = reference currency
:	6345	Currency, code	M	an..3	ISO 4217 three-alpha code
:	6343	Currency qualifier	M	an..3	4 = invoicing currency 10 = pricing currency
:	6348	Currency rate base	N		Not used in EANCOM
	C504 CURRENCY DETAILS		D		
+	6347	Currency details qualifier	M	an..3	3 = target currency
:	6345	Currency, code	M	an..3	ISO 4217 three-alpha code
:	6343	Currency qualifier	M	an..3	4 = invoicing currency: use only when the first occurrence of DE 6343 = 10 11 = payment currency: use only when the first occurrence of DE 6343 = 4
:	6348	Currency rate base	N		Not used in this application
+	5402	Rate of exchange	D	n..12	Rate x reference currency = target currency: up to six integers and six places of decimals, sent with an explicit decimal point and omitting non-significant zeros
+	6341	Currency market exchange	N		Not used in this application

Examples:

CUX+2:GBP:4 '
 CUX+2:GBP:4+3:USD:11 '
 CUX+2:GBP:10+3:USD:4+1.54321 '

Invoicing currency is pounds sterling
 Invoicing currency is pounds sterling, alternative payment currency US dollars
 Invoicing currency is US dollars, and where pounds sterling appear as a pricing currency they are converted at one pound = 1.54321 US dollars

Segment 17 (DTM) is not used in this application

SG08 PAT-DTM-PCD-MOA

Segment group SG08: one occurrence of this segment group may be used to specify the payment terms which apply to the whole invoice.

18 PAT PAYMENT TERMS BASIS

One occurrence may be used to specify the payment terms for the invoice. Note that in the present *Guidelines* no provision is made to specify a settlement discount. The due date for payment may be expressed either as a fixed date (using PAT and DTM segments) or as a number of days after date of invoice (using PAT only).

+ 4279	Payment terms type	M	an..3
+ C110	PAYMENT TERMS	N	
C112	TERMS/TIME INFORMATION	D	
+ 2475	Payment time reference code	M	an..3
: 2009	Time relation, coded	M	an..3
: 2151	Type of period, coded	M	an..3
: 2152	Number of periods	M	n..3

1 = basic
 3 = fixed date (requires an accompanying DTM segment 19)
 Composite C110 is not used in EANCOM
 Composite C112 is used if terms are expressed as number of days after date of invoice. Do not use if DTM segment 19 is used.
 5 = date of invoice
 3 = after reference
 D = day
 Number of periods (days) for payment

Example:

PAT+1++5:3:D:60'

Payment 60 days after date of invoice

19 DTM DATE/TIME/PERIOD

One occurrence per repeat of SG08 may be used to give the due date for payment if terms are expressed as a fixed date. Do not use if PAT composite C112 is used.

C507	DATE/TIME/PERIOD	M	
+ 2005	Date/time/period qualifier	M	an..3
: 2380	Date/time/period	M	an..35
: 2379	Date/time/period format code	M	an..3

13 = terms net due date (CCYYMMDD)
 Date in the prescribed format
 102 = code for CCYYMMDD date format

Example:

DTM+13:19960920:102'

Due date 20 September 1996

Segments 20 (PCD) and 21(MOA) are not used in this application

SG09	TDT			Segment group SG09: only TDT segment 22 is used in EANCOM
22	TDT DETAILS OF TRANSPORT			One optional occurrence per message may be used to specify the shipping method for the despatch to which the invoice refers.
+ 8051	Transport stage qualifier	M	an..3	20 = main carriage transport
+ 8028	Conveyance reference no	N		Not used in this application
+ C220	MODE OF TRANSPORT	N		Composite C220 is not used in EDItEUR applications. <i>Note that this composite is optional in EDIFACT but was "required" in EANCOM. An EDItEUR change request has been approved by EAN to make it optional in EANCOM.</i>
	C228 TRANSPORT MEANS	D		Composite C228 is used to specify a method of delivery.
+ 8179	Type of means of transport ID	D	an..8	25 = rail express 52 = mail express 34 = road parcel express 53 = surface mail 41 = air freight 54 = accelerated surface mail 42 = surface air lifting 55 = air mail 43 = air express 56 = printed matter/book post 51 = parcel post 101 = courier express
: 8178	Type of means of transport	D	an..17	
	C040 CARRIER	D		Composite C040 is used only to specify a named carrier
+ 3127	Carrier identification	N		Not used in this application
: 1131	Code list qualifier	N		Not used in this application
: 3055	Code list agency code	N		Not used in this application
: 3128	Carrier name	D	n..35	
+ 8101	Transit direction, coded	N		Not used in this application
+ C401	EXCESS TRANSPORTATION	N		Composite C401 is not used in EANCOM
+ C222	TRANSPORT IDENTIFICATION	N		Composite C222 is not used in this application

Example:

TDT+20+++41'	shipment by air freight
TDT+20++++: : :Groupex'	Sent by named carrier

Segments 23 to 25 (TOD-LOC, PAC) (SG12 and SG13) are not used in this application

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

Each occurrence of segment group SG15 represents an allowance or charge applied to the invoice as a whole. The allowance or charge may be stated as (a) a percentage of the whole invoice value or of the goods value of the invoice, using PCD segment 28, or (b) a fixed monetary amount, using MOA segment 29, or (c) a quantity, a unit rate and an extended total amount, using QTY, RTE and MOA segments respectively. This last case will occur if certain types of servicing charge are listed at invoice level rather than line level - see examples on page L-8-28. There can be a maximum of 15 occurrences of segment group SG15 per invoice message.

NOTE that it is not permissible to have more than one occurrence of segment group SG15 with the SAME allowance or charge code in ALC DE 7161.

26 ALC ALLOWANCE OR CHARGE

One mandatory occurrence per segment group SG15, defining the reason for the allowance or charge and, if necessary, the method of calculation

+ 5463	Allowance or charge qualifier	M	an..3	A = allowance C = charge
+ C552	ALLOWANCE/CHARGE INFO	N		Composite C552 is not used in this application
+ 4471	Settlement, coded	N		Not used in this application
+ 1227	Calculation sequence code	D	an..3	1, 2, 3,... 9 = first, second, third,... ninth step of calculation: use only if there are multiple allowances or charges such that a sequence must be stated to avoid ambiguity
	C214 SPECIAL SERVICES ID	M		Mandatory in this application
+ 7161	Special service code	M	an..3	See code table on next page
: 1131	Code list qualifier	N	an..3	Do not use
: 3055	Code list agency code	D	an..3	28 = EDItEUR, if an EDItEUR code value is used in DE 7161
: 7160	Special service	N	an..35	Do not use

Example:

ALC+C++++BJ : : 28 '

Charge for sleeving

Code table for ALC DE 7161

BA	Supply of approvals/book collections (<i>EDItEUR code</i>)
BB	Barcode labelling (<i>EDItEUR code</i>)
BC	Classification (<i>EDItEUR code</i>)
BG	General servicing by library bookseller (<i>EDItEUR code</i>): cards, pockets, stamps
BI	Binding (<i>EAN code</i>): code identifying special binding services: binding, reinforcing, laminating
BJ	Sleeving (<i>EDItEUR code</i>): jackets, sleeves, wallets
BM	Data communication (<i>EDItEUR code</i>): tapes, disks, e-mail charges eg for catalogue record supply
BN	Miscellaneous servicing (<i>EDItEUR code</i>)
BP	Audio/CD-ROM packaging (<i>EDItEUR code</i>): special pouches
BS	Security fitting (<i>EDItEUR code</i>): eg triggers, Knogo labels
CA	Cataloguing services: use for catalogue record supply
CB	Commission

DI	Discount
DL	Delivery charge: use also for freight charge, postage charge
ER	Exchange rate guarantee charge
HD	Handling charge
MAC	Small order surcharge
IN	Insurance charge
LD	Library discount (<i>EDItEUR code</i>)
PAB	Posting charge
PC	Packing charge
PP	Postage and packing charge (<i>EDItEUR code</i>)
SH	Special handling
TD	Trade discount
AJ	Miscellaneous credit adjustment
ABK	Miscellaneous charge

SG17 QTY

Segment group SG17: only QTY segment 27 is used in EANCOM

27 QTY QUANTITY

One occurrence per segment group SG15 if the segment group is specifying a servicing charge in relation to a quantity of units, eg 25 books sleeved.

C186	QUANTITY DETAILS		M	
+ 6063	Quantity qualifier		M	an..3
: 6060	Quantity		M	n..15
: 6411	Measure unit qualifier		N	

47 = invoiced quantity
 The quantity is sent as an integer, omitting non-significant zeros
 Not used in this application

Examples:

QTY+47:22'

Invoiced charge applies to 22 items

SG18 PCD

Segment group SG18: only PCD segment 28 is used in EANCOM

28 PCD PERCENTAGE DETAILS

One occurrence per segment group SG15 if an allowance or charge applicable to the whole invoice is specified as a percentage

C501	PERCENTAGE DETAILS		M	
+ 5245	Percentage qualifier		M	an..3
: 5482	Percentage		M	n..8
: 5249	Percentage basis, coded		M	an..3
: 1131	Code list qualifier		N	
: 3055	Code list agency code		N	

3 = allowance or charge
 Mandatory, to avoid ambiguity in calculation of percentages
 4 = per unit price: use here if the allowance or charge is calculated as a percentage of the price of the goods only, excluding any ancillary charges
 13 = invoice value: use here if the allowance or charge is calculated as a percentage of the whole invoice value, including the price of the goods and any ancillary charges
 Not used in EANCOM
 Not used in EANCOM

Example:

PCD+3:12.5:13'

Allowance or charge is calculated as 12.5 percent of the whole invoice value

SG19 MOA

Segment group SG19: only MOA segment 29 is used in EANCOM

29 MOA MONETARY AMOUNT

One occurrence per segment group SG15 if an allowance or charge is specified as a fixed monetary amount

C516	MONETARY AMOUNT	M	
+ 5025	Monetary amount qualifier	M	an..3
:	5004 Monetary amount	M	n..18
:	6345 Currency, coded	N	
:	6343 Currency qualifier	N	
:	4405 Status, coded	N	

8 = allowance or charge amount (the ALC segment in each occurrence of segment group SG15 specifies whether the whole group refers to an allowance or a charge)
 Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
 Not used in this application: all allowances and charges will be shown in the invoicing currency only
 Not used in this application
 Not used in EANCOM

Example:

MOA+8:140'

Allowance or charge amount is 140.00 in the invoicing currency

SG20 RTE

Segment group SG20: only RTE segment 30 is used in EANCOM

30 RTE RATE DETAILS

One occurrence per segment group SG15 if an allowance or charge is specified as a quantity of units and a rate per unit

C128	RATE DETAILS	M	
+ 5419	Rate type qualifier	M	an..3
:	5420 Rate per unit	M	n..15
:	5284 Unit price basis	N	
:	6411 Measure unit qualifier	N	

1 = Allowance rate
 2 = Charge rate
 Allowance or charge rate per unit, in the invoicing currency, in the format NN.DDD, where NN is an integer of up to 12 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
 Not used in this application
 Not used in this application

Example:

RTE+2:1.4'

Charge rate is 1.40 per unit, in the invoicing currency

SG21	TAX-MOA			Segment group SG21: up to five occurrences per repeat of segment group SG15 may be used to specify tax (or tax exemption) applicable to the allowance or charge specified in SG15.
31	TAX DUTY/TAX/FEE DETAILS			One occurrence per repeat of segment group SG21 to specify a tax type and rate
+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
	C241 DUTY/TAX/FEE TYPE	M		
+ 5153	Duty/tax/fee type code	M	an..3	GST = goods and services tax IMP = import tax VAT = value added tax
:	1131 Code list qualifier	N		Not used in this application
:	3055 Code list agency code	N		Not used in this application
:	5152 Duty/tax/fee type	N		Not used in this application
+ C533	DUTY/TAX/FEE A/C DETAIL	N		Composite C533 is not used in this application
+ 5286	Duty/tax/fee assessment basis	N		Not used in this application
	C243 DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged
+ 5279	Duty/tax/fee rate ID	D	an..7	Defined at national or state level
:	1131 Code list qualifier	D	an..3	
:	3055 Code list agency code	D	n..3	
:	5278 Duty/tax/fee rate	M	an..17	Stated as a percentage, eg 17.5 (up to 4 decimal places)
:	5273 Duty/tax/fee rate basis ID	N	an..12	Not used in this application
:	1131 Code list qualifier	N	an..3	Not used in this application
:	3055 Code list agency code	N	n..3	Not used in this application
+ 5305	Duty/tax/fee category code	D	an..3	Mandatory in the case of VAT E = exempt from tax G = export item, tax not charged H = higher rate
				L = lower rate S = standard rate Z = zero-rated
+ 3446	Party tax ID number	N		Not used in this application

Example:

TAX+7+VAT++++:::17.5+S'

Allowance or charge carries tax at standard rate of 17.5 percent

32 MOA MONETARY AMOUNT

One, and only one, occurrence per segment group SG21 to give the amount taxable, or the amount of tax payable, at the rate specified in the linked TAX segment

C516	MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	124 = amount of tax payable on the allowance or charge specified in SG21 125 = taxable amount of the allowance or charge specified in SG21
:	5004 Monetary amount	M	n..18	Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
:	6345 Currency, coded	N		Not used in this application: all allowances and charges will be shown in the invoicing currency only
:	6343 Currency qualifier	N		Not used in this application
:	4405 Status, coded	N		Not used in EANCOM

Example:

MOA+124:10.5'

Tax amount is 10.50 in the invoicing currency

EXAMPLES OF COMPLETE ALLOWANCE/CHARGE SEGMENT GROUPS

Example 1: shipping charge for the whole consignment

ALC+C++++DL'	Charge for delivery/shipping
MOA+8:24.75'	Total charge is 24.75 excluding tax
TAX+7+VAT++++Z'	Zero-rated for VAT

Example 2: itemised charge applied at invoice level

ALC+C++++BJ::28'	Charge for sleeving
QTY+47:22'	22 items
MOA+8:15.4'	Total charge is 15.40 excluding tax
RTE+2:0.7'	@ 0.70 per unit excluding tax
TAX+7+VAT++++:::17.5+S'	Charge carries VAT at standard rate of 17.5 percent
MOA+124:2.69	Tax amount is 2.69

SG25 LIN-PIA-IMD-MEA-.....-SG38-SG44

Each occurrence of segment group SG25 represents one invoice line or sub-line. There can in theory be up to 9,999,999 such lines in a single invoice message.

33 LIN LINE ITEM

One mandatory occurrence per invoice line. In this application the LIN segment is used to carry the line sequence number and, when applicable, an EAN article number identifying the invoiced item. For multiple products, it may also be used to identify a sub-line which describes a component of the product, for tax or other reasons.

+ 1082	Line item number	M	n..6	Line sequence number, starting at one and incremented by one for each successive line
+ 1229	Action request/notification	N		Not used in EANCOM
C212	ITEM NUMBER ID	D		Composite C212 is used only if the invoiced item is identified by an EAN number
+ 7140	Item number	D	an..35	EAN article number (format n13)
: 7143	Item number type, coded	D	an..3	EN = EAN article number
: 1131	Code list qualifier	N		Not used in this application
: 3055	Code list agency code	N		Not used in this application
C829	Sub-line information	D		Composite C829 is used only if sub-lines are sent to give details of component parts of a multiple product, eg a multi-volume set or a mixed media item where different tax rates apply to different media
+ 5495	Sub-line indicator	D	an..3	Mandatory if composite C829 is used: 1 = sub-line
: 1082	Line item number	D	n..6	Mandatory if composite C829 is used: the number of the preceding "main" line to which the sub-line is linked
+ 1222	Configuration level	N		Not used in EANCOM
+ 7083	Configuration, coded	N		Not used in this application

Examples

LIN+5'

Line no 5, product identified by ISBN in PIA segment 40, accepted with amendments

LIN+5+++5012345008791:EN'

Line no 5, EAN article number

LIN+24+++1:22'

Line no 24, sub-line linked to line 22

34 PIA ADDITIONAL PRODUCT ID

Unless the invoiced item is identified by an EAN article number in LIN segment 33, there must be one mandatory occurrence per invoice line (except sub-lines), coded 5 or, exceptionally, 5V in DE 4347, to identify the product to which the line or sub-line refers. Additional occurrences, coded 1 or 1S in DE 4347 may be used to give additional identification codes for the invoiced item; or, coded 4 in DE 4347, to identify the item which was originally ordered if the invoiced item is a substitute.

+ 4347 Product ID function code M an..3

1 = additional identification: use when the PIA segment carries an identifier which is additional to the main product identifier (eg a supplier's own code sent in addition to the ISBN or EAN number)
 1S = additional identification: an identification number for a multi-volume or multi-part set to which the product belongs
 4 = substituted for: use to identify the item originally ordered when a substitute has been supplied in its place
 5 = main product identification: use when the PIA segment carries the main product code supplied and invoiced (normally the ISBN)
 5V = 'set or series including' product number (EDItEUR code): use when the order refers to a set or series for which the only ISBN or other product number available at time of ordering is that of one or more volumes or parts (see section L.1.6)

C212 ITEM NUMBER ID M

+ 7140 Item number M an..35
 : 7143 Item number type, coded M an..3

Product number (eg ISBN)
 IB = ISBN
 IM = ISMN (International Standard Music Number)
 IN = buyer's item number: use for a product number assigned by the customer
 IS = ISSN (International Standard Serial Number): use only as additional identification (coded 1 in DE 4347) when invoicing an item which has been supplied under a continuation order, to identify the series to which the item belongs
 MF = manufacturer's article number: use for a publisher's product number which is not a recognised standard identifier
 SA = supplier's article number

/continued

34 PIA ADDITIONAL PRODUCT ID *(continued)*

:	1131	Code list qualifier	N		Not used in EANCOM
:	3055	Code list agency code	N		Not used in this application
	C212	ITEM NUMBER ID	D		Further repeats of Composite C212 may be used where DE 4347 = 1 if there is more than one additional identification number. Where DE 4347 = 4 or 5, only one product number should be given.
+	7140	Item number	D	an..35	Product code
:	7143	Item number type, coded	D	an..3	As in the first occurrence of composite C212
:	1131	Code list qualifier	N		Not used in EANCOM
:	3055	Code list agency code	N		Not used in this application
	C212	ITEM NUMBER ID	D		
+	7140	Item number	D	an..35	Product code
:	7143	Item number type, coded	D	an..3	As in the first occurrence of composite C212
:	1131	Code list qualifier	N		Not used in EANCOM
:	3055	Code list agency code	N		Not used in this application
	C212	ITEM NUMBER ID	D		
+	7140	Item number	D	an..35	Product code
:	7143	Item number type, coded	D	an..3	As in the first occurrence of composite C212
:	1131	Code list qualifier	N		Not used in EANCOM
:	3055	Code list agency code	N		Not used in this application
	C212	ITEM NUMBER ID	D		
+	7140	Item number	D	an..35	Product code
:	7143	Item number type, coded	D	an..3	As in the first occurrence of composite C212
:	1131	Code list qualifier	N		Not used in EANCOM
:	3055	Code list agency code	N		Not used in this application

Examples:

PIA+5+0856674427:IB'
 PIA+4+0870701428:IB'
 PIA+1+25075679:SA'

ISBN as the main identification of the item supplied and invoiced
 ISBN of the item originally ordered, for which a substitute has been supplied
 Supplier's article number as alternative identification

35 IMD ITEM DESCRIPTION

Optional: up to 10 repeats of IMD segment 35 may be used to give limited bibliographic details of the item to which the order response line refers. This is mandatory if the item is not identified by a code or codes in LIN segment 33 and/or PIA segment 34. Otherwise, description should not normally be sent in an invoice line: see section L.8.2.3.

<p>+ 7077 Item description type code M an..3</p> <p>+ 7081 Item characteristic code M an..3</p> <p> C273 ITEM DESCRIPTION M</p> <p>+ 7009 Item description id N</p> <p> : 1131 Code list qualifier N</p> <p> : 3055 Code list agency code N</p> <p> : 7008 Item description D an..35</p> <p> : 7008 Item description D an..35</p> <p>+ 7383 Surface layer indicator code N</p>	<p><i>F = free-form, EDItEUR alpha codes in DE 7081 (these codes will be withdrawn in a future general revision of EDItEUR standards: do not use in new implementations)</i></p> <p><i>L = text, EDItEUR numeric codes in DE 7081 (EDItEUR code)</i></p> <p>See next page for a subset of EDItEUR code values recommended for use in INVOIC</p> <p>Not used in this application</p> <p>Descriptive data as free text</p> <p>Continuation line if required</p> <p>Not used in EANCOM</p>
--	---

Example:

IMD+L+009+:::Harris, Robert '
 IMD+F+BAU+:::Harris, Robert '

Author name, recommended form
 Equivalent using EDItEUR alpha codes, not recommended for new implementations

Code table for IMD DE 7081: EDItEUR numeric codes, DE 7077 = L

001	Short author/title description, eg <i>PRESTON/FRANCO: A BIOGRAPHY, 2ND ED</i>
009	Name of book author, editor or other contributor (unstructured), eg <i>Paul Preston</i>
010	Name of first author, editor etc (surname or entry element), eg <i>Preston</i>
050	Title, eg <i>Franco: a biography</i>
080	Volume or part number, eg <i>Volume 2</i>
100	Edition statement, eg <i>2nd ed</i>
109	Publisher, unstructured, eg <i>HarperCollins</i>
110	Place of publisher, eg <i>London</i>
170	Date of publication, eg <i>1997</i>
220	Binding, eg <i>paperback</i>

Code table for IMD DE 7081: EDItEUR alpha codes, DE 7077 = F

These codes will be deleted in a future general revision of EDItEUR standards: do not use in new implementations. The right hand column shows the preferred numeric code which corresponds to the alpha code.

BAU	Name of book author, editor or other contributor (unstructured), eg <i>Paul Preston</i>	009
BBD	Binding, eg <i>paperback</i>	220
BEN	Edition statement, eg <i>2nd ed</i>	100
BPD	Date of publication, eg <i>1997</i>	170
BPU	Publisher, unstructured, eg <i>HarperCollins</i>	109
BST	Short author/title description, eg <i>PRESTON/FRANCO: A BIOGRAPHY, 2ND ED</i>	001
BTI	Title, eg <i>Franco: a biography</i>	050
BVP	Volume or part number, eg <i>Volume 2</i>	080

36 MEA MEASUREMENTS

One optional occurrence may be used to give the unit weight of the product to which the invoice line refers.

+ 6311	Measurement application qualifier	M	an..3	Mandatory: PD = physical dimensions
	C502 MEASUREMENT DETAILS	M		Mandatory in this application
+ 6313	Measurement dimension, coded	M	an..3	Mandatory in this application: AAA = unit net weight
: 6321	Measurement significance	N		Not used in this application
: 6155	Measurement attribute, coded	N		Not used in EANCOM
: 6154	Measurement attribute	N		Not used in EANCOM
	C174 VALUE/RANGE	M		Mandatory in EANCOM
+ 6411	Measure unit qualifier	M	an..3	GRM = grams
: 6314	Measurement value	M	n..18	Mandatory in this application: enter as a whole number
: 6162	Range minimum	N		Not used in this application
: 6152	Range maximum	N		Not used in this application
: 6432	Significant digits	N		Not used in this application
+ 7383	Surface/layer indicator	N		Not used in EANCOM

Example:

MEA+PD+AAA+GRM:567'

Weight 567 grams

37 QTY QUANTITY

One mandatory occurrence per invoice line (not sub-lines) for the number of copies invoiced.

C186 QUANTITY DETAILS

+ 6063	Quantity qualifier	M	an..3
: 6060	Quantity	M	n..15
: 6411	Measure unit qualifier	N	

1 = discrete quantity: use for quantity credited in a credit note, since no specific EDIFACT code is defined with this meaning
 47 = invoiced quantity
 The quantity is sent as an integer, omitting non-significant zeros
 Not used in this application

Examples:

QTY+47:1'

One copy invoiced

38 ALI ADDITIONAL INFORMATION

One occurrence per line (not sub-lines) may be used to specify the type of sale. For ordinary sale, the segment is omitted.

+ 3239	Country of origin, coded	N		Not used in this application
+ 9213	Type of duty regime, coded	N		Not used in this application
+ 4183	Special conditions, coded	M	an..3	Mandatory if this segment is used: code values below are based on UK Customs Type of Supply codes B = hire purchase, conditional sale, credit sale or similar loan C = loan D = exchange E = hire, lease or rental F = process (making goods from another party's materials) G = sales on commission, eg by an auctioneer H = sale or return, or similar terms
+ 4183	Special conditions, coded	N		Not used in this application
+ 4183	Special conditions, coded	N		Not used in this application
+ 4183	Special conditions, coded	N		Not used in this application
+ 4183	Special conditions, coded	N		Not used in this application

Example:

ALI+++E'

Type of sale = rental

Segment 39 (DTM) is not used in this application

39A GIR RELATED IDENTIFICATION NUMBERS

In library book supply, the GIR segment (*which is NOT part of the regular EANCOM subset*) is used to enable “copy-related” or “part-order-related” data to be sent in an INVOIC message. (“Part-order” means a quantity of copies within a single order line which have common characteristics and/or servicing requirements.) The segment is repeatable up to 1000 times. If there are more than five items of information for one copy or for one part order, the segment may be repeated with the same copy or part-order sequence number in DE 7297.

The GIR segment is NOT used to specify an actual delivery location, for which see LOC-QTY segments 54 and 55. It is, however, used to specify detail which relates to the shelving location for which an ordered item is intended.

+ 7297	Set identification qualifier	M	an..3	Mandatory: use for a copy sequence number in the range 001 to 999, or a part-order sequence number in the range L01 to L99
	C206 IDENTIFICATION NUMBER	M		
+ 7402	Identity number	M	an..35	Carries the item of copy- or part-order-related data identified by the code in DE 7405
:	7405 Identity number qualifier	M	an..3	Mandatory in this application: code values from EDItEUR code list 7405 – see next page
	C206 IDENTIFICATION NUMBER	D		Additional repeats of composite C206 may be used for further items of copy- or part-order-related data for the copy or part-order sequence number in DE 7297
+ 7402	Identity number	D	an..35	
:	7405 Identity number qualifier	D	an..3	
+	C206 IDENTIFICATION NUMBER	D		
+	C206 IDENTIFICATION NUMBER	D		
+	C206 IDENTIFICATION NUMBER	D		

Example:

GIR+001+6173523:LAC+357:LCV+GHA,75:LFN+GFG,25:LFN' Accession number, copy value 357.00, fund GHA 75%, fund GFG 25%

Segment 40 (QVR) is not used in this application

Code table for GIR DE 7405

Code	Name	Description
LAC	Accession number or barcode number	May occur once only if DE 7297 = <i>nnn</i> ; or may be repeated to give all the accession numbers for a part-order if DE 7297 = <i>Lnn</i> . Alternatively, LAF and LAL may be used to specify a sequential range without listing every number.
LAF	First accession number	The first accession number in a continuous sequential range. May occur once only if DE 7297 = <i>Lnn</i> ; not used in DE 7297 = <i>nnn</i>
LAL	Last accession number	The last accession number in a continuous sequential range. May occur once only if DE 7297 = <i>Lnn</i> ; not used in DE 7297 = <i>nnn</i>
LCL	Classification	A subject class number. The scheme (eg Dewey, LC) from which the class number is taken is not specified. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LCO	Unique copy ID	A unique identifier of an individual copy, other than the accession number or barcode number: in some library systems, may be assigned by the system at the time of creating an order. May occur once only if DE 7297 = <i>nnn</i> ; not used if DE 7297 = <i>Lnn</i> .
LCV	Copy value	The replacement cost of an individual copy, which may not be the same as the price paid, and may not be the same for all copies ordered. DE 7402 has the format <i>n..15</i> , and carries a number NN.DD, where NN is an integer of up to 11 digits, and DD represents up to 4 decimal places. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> . In the latter case the same copy value will apply to all copies in a part-order.
LFH	Feature heading	A further means of subdividing subject classes for shelving purposes, eg to group books on a specific computer programming language, or critical works about a particular author. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LFN	Fund allocation	A library's fund allocation code and, where the purchase price is to be split between two or more funds, the percentage and/or the amount allocated to the specified fund. DE 7402 is comma-delimited, with the format <i>an..19,n..4,n..10</i> for <i>fund code, percentage, amount</i> (in the default currency for the message). The percentage and the amount may include a decimal point and up to two decimal places, eg 9999999.99 May be repeated when the cost of an individual copy or a part-order is spread across two or more funds, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .

/continued

Code table for GIR DE 7405 (continued)

Code	Name	Description
LFS	Filing suffix	A suffix which is added to a subject class number to further specify a shelf location, commonly the first three characters of the first author's surname. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LLN	Loan category	A library's own code or other designation which specifies the loan status of an item. See also LST, which may sometimes also imply a loan status. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LLO	Branch or location code	A library's own code or other designation for a branch or location. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LLS	Label sublocation	<i>Specific to OCLC</i>
LQT	Part-order quantity	The quantity in a part-order, sent as an integer in DE 7402. May occur once only, with DE 7297 = <i>Lnn</i> . Not used if DE 7297 = <i>nnn</i> .
LRS	Record sublocation	<i>Specific to OCLC</i>
LSM	Shelfmark, spine label or call number (complete)	The complete contents of a shelfmark or spine label which defines a shelving location, and which typically includes a number of elements which may also, or alternatively, be sent as separate occurrences of GIR C206. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LSQ	Sequence or collection code	A code or other designation which identifies stock which is to be shelved in a specified sequence or collection. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LST	Stock category	A code or other designation which is used by a library to identify a stock category, such as "children's fiction". Stock category may sometimes be used to specify loan status, eg "14-day loan collection", but see also LLN. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LSZ	Size code	A code or other designation which indicates that stock is to be shelved separately by reason of size or format. May occur once only, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LVC	Servicing instruction code	A code from EDItEUR list 3B which specifies a special servicing requirement. May be repeated to specify multiple requirements, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .
LVT	Servicing instruction text	Plain text which specifies a special servicing requirement. May be repeated to specify multiple requirements, with DE 7297 = <i>nnn</i> or <i>Lnn</i> .

41 FTX FREE TEXT

One occurrence per credit note line to indicate the reason for a credit. Not used in invoices. The reason for credit should be indicated by free text. EDItEUR may add a standard code list at a future date if there is a proven business reason for doing so.

+ 4451	Text subject qualifier	M	an..3	Mandatory: LIN = information applying to this line item
+ 4453	Text function, coded	N		Not used in this application
+ C107	TEXT REFERENCE	N		Composite C107 is not used in this application
	C108 TEXT LITERAL	M		Composite C108 is used for a free text "reason for credit"
+ 4440	Free text	M	an..70	Mandatory if composite C108 is used
: 4440	Free text	D	an..70	Continuation lines if required
: 4440	Free text	D	an..70	
: 4440	Free text	D	an..70	
: 4440	Free text	D	an..70	
+ 3453	Language, coded	N		Not used in this application

Example:

FTX+LIN+++Overshipment'

SG26 MOA

Segment group SG26: only MOA segment 42 is used in EANCOM

42 MOA MONETARY AMOUNT

One mandatory occurrence per invoice line, coded 203 in DE 5025, to give the line item amount after all line level allowances and charges, but excluding any applicable tax. Up to a maximum of 4 additional occurrences may be used (a) coded 146 in DE 5025, to give a unit price in a currency other than the invoicing currency, on which the invoice price in PRI segment 47 is based; (b) coded 113, to give an amount which has been prepaid against the line item; (c) coded 52, to give the line discount amount; and (d) coded 128, to give a line total amount payable.

C516	MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	52 = discount amount: use for line discount amount 113 = prepaid amount: when a prepayment has been made against this order line 128 = total amount: the total amount due for the order line, including line level allowances, charges and tax 146 = unit price 203 = line item amount: after line level allowances and charges have been applied, excluding any tax
: 5004	Monetary amount	M	n..18	Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
: 6345	Currency, coded	D	an..3	Mandatory if and only if DE 5025 = 146: ISO 4217 three-alpha code
: 6343	Currency qualifier	D	an..3	Mandatory if and only if DE 5025 = 146: 10 = pricing currency
: 4405	Status, coded	N		Not used in EANCOM

Example:

MOA+203:140'

Line item amount is 140.00 in the invoicing currency

Segments 43 to 46 (PAT-DTM-PCD-MOA) (SG27) are not used in this application

SG28 PRI-DTM

Segment group SG28: one mandatory occurrence per line to specify a unit price.

47 PRI PRICE DETAILS

One mandatory occurrence per SG28. In library book supply, where the basis of an invoice is normally the publisher's list price excluding taxes where applicable, with discounts and/or servicing charges applied thereafter, the most commonly expected coding of the PRI segment is:

DE 5125 = AAB or AAE DE 5375 = CA DE 5387 = SRP or RTP

The PRI segment may then be repeated, with DE 5125 = AAF and omitting DE 5375 and DE 5387, to show the final unit price payable after all taxes and line-level allowances and charges.

C509 PRICE INFORMATION

			M		
+ 5125	Price qualifier	M	an..3	AAA = calculation price net (the unit price which will actually be charged by the supplier excluding tax but including any allowances or charges) AAB = calculation price gross (the supplier's unit price excluding all taxes, allowances or charges) AAE = information price (including tax but excluding any allowances or charges) AAF = information price (including all taxes, allowances or charges)	
: 5118	Price	D	n..15	Mandatory unless DE 5387 = FOC. Actual monetary amount, in the format NN.DD, where NN is an integer of up to 11 digits and DD represents up to 4 decimal places. Non-significant zeros are not sent.	
: 5375	Price type, coded	O	an..3	Optional; the following code values may be used CA = publisher's catalogue price DI = distributor's (ie bookseller's or agent's) price PV = provisional price: use if publisher's firm price is not known at order date QT = quoted price	
: 5387	Price type qualifier	O	an..3	See code table on next page	
: 5284	Unit price basis	N		Not used in this application	
: 6411	Measure unit qualifier	N		Not used in this application	
+ 5213	Sub-line price change code	N		Not used in EANCOM	

/continued

47 PRI PRICE DETAILS (continued)

Example:

PRI+AAB:12.5:CA:SRP'

PRI+AAF:11.65'

Suggested retail price excluding tax = 12.50 in invoice currency

Unit price payable including tax (if applicable), allowances and charges = 11.65

Code table for PRI DE 5387

ABC	Member price (EDIFACT code replacing former EDItEUR code MBP)
ABD	Pre-payment price
DPR	Discount price
FOC	Free of charge (EDItEUR code)
NQT	Price not known
PRF	Promotional price (EDItEUR code): same as PRP, but subject to retail price maintenance: may have an expiry date in DTM segment 27B
PRP	Promotional price: suggested retail price which applies during the limited period of a special promotion, including a pre-publication price (not under retail price maintenance): may have an expiry date in DTM segment 27B
RTP	Retail price: unit price, subject to retail price maintenance
SRP	Suggested retail price: unit price, not subject to retail price maintenance

47A DTM DATE/TIME/PERIOD

One optional occurrence per SG28, to give the expiry date if the price in the linked PRI segment is valid for a limited period only. *Segment 47A is not part of the EANCOM 1997 INVOIC subset, but is expected to be added following an EDItEUR change request. It is available for use now, but may not be included in standard EANCOM message tables from EDI software suppliers. It is included in the full EDIFACT D.96A INVOIC message.*

	C507 DATE/TIME/PERIOD		M		
+	2005	Date/time/period qualifier	M	an..3	36 = expiry date (CCYYMMDD)
:	2380	Date/time/period	M	an..35	Date in the prescribed format
:	2379	Date/time/period format code	M	an..3	102 = code for CCYYMMDD date format

Example:

DTM+36:19960920:102'

Special price valid only until 20 September 1996

SG29 RFF-DTM

Segment group SG29: only RFF segment 48 is used in this application

48 RFF REFERENCE

One mandatory occurrence per invoice line (not sub-lines) to give the buyer's order line reference. Further optional occurrences up to 10 per invoice line or sub-line may be used to give other references for the line item or for a component part (eg a volume of a multi-volume set).

	C506 REFERENCE		M		
+	1153	Reference qualifier	M	an..3	See table on next page
:	1154	Reference number	M	an..35	
:	1156	Line number	O		Line number within referenced document
:	4000	Reference version number	N		Not used in EANCOM

Example:

RFF+LI:970528837'

Buyer's order line reference 970528837

Code table for RFF DE 1153

Code	Description
ABW	Accession number (barcode number)
AE	Authorisation for expense number: use for a library's "blanket" purchase authorisation number covering multiple orders
BFN	Buyer's fund number (EDItEUR code)
IA	Internal vendor number: use for the buyer's internal reference for the supplier, when a library has multiple vendor references which apply to different types of business with the same supplier
IV	Invoice number: the number of the invoice against which a credit item is given
LBO	Library's approval plan or blanket order number (EDItEUR code)
LCO	Library's continuation order number, in an invoice line for an item supplied under a standing or continuation order (EDItEUR code)
LI	Buyer's unique order line number, from ORDERS RFF segment 33 (mandatory)
OI	Original invoice number: use for a reference to an invoice (usually a prepayment invoice) which initiated a series of confirmed charges and/or credit adjustments of which the present line item is part
QLI	Supplier's unique quotation line number, from QUOTES RFF segment 28 (EDItEUR code)
SBO	Supplier's approval plan or blanket order number (EDItEUR code)
SCO	Supplier's continuation order number (EDItEUR code)
SLI	Supplier's unique order line reference number (EDItEUR code)

Segments 49 to 53 (DTM, PAC-MEA-PCI-GIN) (SG30) are not used in this application

SG32 LOC-QTY-DTM

Segment group SG32: up to 9,999 repeats may be used in an invoice line to indicate multiple delivery locations, eg library branches. Only LOC and QTY segments 54 and 55 are used in this application.

54 LOC PLACE/LOCATION IDENTIFICATION

One mandatory occurrence per repeat of SG33

+ 3227	Place/location qualifier	M	an..3
C517	LOCATION IDENTIFICATION	M	
+ 3225	Place/location identification	M	an..25
:	1131 Code list qualifier	N	
:	3055 Code list responsible agency	M	an..3
:	3224 Place/location	N	
+ C519	RELATED LOCATION ONE ID	N	
+ C553	RELATED LOCATION TWO ID	N	
+ 5479	Relation, coded	N	

7 = place of delivery
 Mandatory in EANCOM
 Mandatory in this application: use EAN location number if possible, or an industry standard number, or failing that a supplier- or customer-assigned number agreed between the trading parties
 Not used in this application
 Mandatory in this application. Use one of these values:
 9 = EAN
 31B = US SBN Agency, for US book trade SANs (Standard Address Numbers) (EDItEUR code)
 91 = assigned by supplier
 92 = assigned by buyer: use for a library's own branch code
 Not used in this application
 Composite C519 is not used in this application
 Composite C553 is not used in this application
 Not used in EANCOM

Example:

LOC+7+ENF2::92'

Buyer-assigned location code ENF2

55 QTY QUANTITY

One mandatory occurrence per repeat of SG32 to give the delivery quantity for the location specified in LOC segment 54.

	C186 QUANTITY DETAILS		M	
+	6063	Quantity qualifier	M	an..3
:	6060	Quantity	M	n..15
:	6411	Measure unit qualifier	N	

11 = split delivery quantity
 The quantity is sent as an integer, omitting non-significant zeros
 Not used in this application

Example:

QTY+11:2'

Quantity for this delivery location is two copies

Segment 56 (DTM) is not used in this application

SG33 TAX-MOA

Segment group SG33: up to a theoretical maximum of 99 occurrences per line may be used to specify tax (or tax exemption) applicable to the line item. If the item is a mixed product carrying tax at two different rates on portions of its price, there will normally be two occurrences of SG33, specifying the two rates and showing the amount taxable at each rate. If the item carries a single tax at a single rate which applies to the whole amount of the price, the MOA segment may be omitted, and the taxable amount will be assumed to be the whole amount of the price. However, see MOA segment 58 for other usages.

57 TAX DUTY/TAX/FEE DETAILS

One occurrence per repeat of segment group SG33 to specify a tax type and rate (see previous page for notes on the segment group)

+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
	C241 DUTY/TAX/FEE TYPE	M		
+ 5153	Duty/tax/fee type code	M	an..3	GST = goods and services tax IMP = import tax VAT = value added tax
:	1131 Code list qualifier	N		Not used in this application
:	3055 Code list agency code	N		Not used in this application
:	5152 Duty/tax/fee type	N		Not used in this application
+ C533	DUTY/TAX/FEE A/C DETAIL	N		Composite C533 is not used in this application
+ 5286	Duty/tax/fee assessment basis	N		Not used in this application
	C243 DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged
+ 5279	Duty/tax/fee rate ID	D	an..7	Defined at national or state level
:	1131 Code list qualifier	D	an..3	
:	3055 Code list agency code	D	n..3	
:	5278 Duty/tax/fee rate	M	an..17	Stated as a percentage, eg 17.5 (up to 4 decimal places)
:	5273 Duty/tax/fee rate basis ID	N	an..12	Not used in this application
:	1131 Code list qualifier	N	an..3	Not used in this application
:	3055 Code list agency code	N	n..3	Not used in this application
+ 5305	Duty/tax/fee category code	D	an..3	Mandatory in the case of VAT E = exempt from tax G = export item, tax not charged H = higher rate
				L = lower rate S = standard rate Z = zero-rated
+ 3446	Party tax ID number	N		Not used in this application

Example:

TAX+7+VAT++++:::17.5+S'

Line item carries tax at standard rate of 17.5 percent

58 MOA MONETARY AMOUNT

One occurrence per repeat of segment group SG33, coded 125 in DE 5025, may be used to give the amount of the extended line value which is taxable at the tax rate specified in the linked TAX segment. This segment may alternatively be used, depending on local practice, (a) coded 56 in DE 5025, to show the amount of the unit price which is taxable, and (b) coded 124, to show the actual amount of tax payable on the line. Note, however, that MOA segment 58 can occur only ONCE in each repeat of segment group SG33. If two or more monetary values are required for the same tax rate, the entire segment group must be repeated.

C516	MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	56 = tax basis amount: use for unit price amount taxable 124 = tax amount: the amount of tax payable on the line item 125 = taxable amount; use for line item amount taxable
: 5004	Monetary amount	M	n..18	Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
: 6345	Currency, coded	N		Not used in this application: all allowances and charges will be shown in the invoicing currency only
: 6343	Currency qualifier	N		Not used in this application
: 4405	Status, coded	N		Not used in EANCOM

Example:

MOA+56:10.5'

Taxable amount of unit price is 10.50 in the invoicing currency

Segments 59 (NAD) and 60 (RFF) (segment group SG34) are not used in this application

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

Each occurrence of segment group SG38 represents an allowance or charge applied to the invoice line item. The allowance or charge may be stated as (a) a percentage, using PCD segment 64, or (b) a fixed monetary amount for the line item, using MOA segment 65, or (c) a 'per unit' rate, using RTE segment 66. There can be a maximum of 15 occurrences of segment group SG38 per invoice line. The starting point for calculating the final unit price or total line value is always the calculation price in PRI segment 47. If there is more than one allowance or charge against a line item, successive occurrences of SG38 must carry a sequence number in ALC DE 1227 to ensure that calculations are performed in the correct order.

NOTE that it is not permissible to have more than one occurrence of segment group SG38 with the SAME allowance or charge code in ALC DE 7161.

61 ALC ALLOWANCE OR CHARGE

One mandatory occurrence per segment group SG38, defining the reason for the allowance or charge and, if necessary, the method of calculation

+ 5463	Allowance or charge qualifier	M	an..3	A = allowance C = charge
+ C552	ALLOWANCE/CHARGE INFO	N		Composite C552 is not used in this application
+ 4471	Settlement, coded	N		Not used in this application
+ 1227	Calculation sequence code	D	an..3	1, 2, 3,... 9 = first, second, third,... ninth step of calculation: use if there is more than one occurrence of SG38 in a single line
	C214 SPECIAL SERVICES ID	M		Mandatory in this application
+ 7161	Special service code	M	an..3	Allowance/charge type: see code table under ALC segment 26
: 1131	Code list qualifier	N	an..3	Do not use
: 3055	Code list agency code	D	an..3	28 = EDItEUR, only if an EDItEUR code value is used in DE 7161
: 7160	Special service	N	an..35	Do not use

Example:

ALC+C++++BJ: : 28 '

Charge for sleeving

Segments 62 (ALI) and 63 (QTY) (SG39) are not used in this application

SG40 PCD

Segment group SG40: only PCD segment 64 is used in EANCOM

64 PCD PERCENTAGE DETAILS

One occurrence per segment group SG38 if an allowance or charge is specified as a percentage

C501 PERCENTAGE DETAILS M

+ 5245	Percentage qualifier	M	an..3
: 5482	Percentage	M	n..8
: 5249	Percentage basis, coded	N	
: 1131	Code list qualifier	N	
: 3055	Code list agency code	N	

3 = allowance or charge

Not used in this application

Not used in EANCOM

Not used in EANCOM

Example:

PCD+3:12.5'

Allowance or charge is calculated as 12.5 percent

SG41 MOA

Segment group SG41: only MOA segment 65 is used in EANCOM

65 MOA MONETARY AMOUNT

One occurrence per segment group SG38 if an allowance or charge is specified as a fixed monetary amount

C516 MONETARY AMOUNT M

+ 5025	Monetary amount qualifier	M	an..3
: 5004	Monetary amount	M	n..18
: 6345	Currency, coded	N	
: 6343	Currency qualifier	N	
: 4405	Status, coded	N	

8 = allowance or charge amount

Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.

Not used in this application: all allowances and charges will be shown in the invoicing currency only

Not used in this application

Not used in EANCOM

Example:

MOA+8:140'

Allowance or charge amount is 140.00 in the invoicing currency

SG42 RTE

Segment group SG42: only RTE segment 66 is used in EANCOM

66 RTE RATE DETAILS

One occurrence per segment group SG38 if an allowance or charge is specified as a rate per unit (the unit in this case being each copy of an invoiced item)

C128	RATE DETAILS		M		
+ 5419	Rate type qualifier	M	an..3	1 = Allowance rate 2 = Charge rate	
:	5420 Rate per unit	M	n..15	Allowance or charge rate per unit, in the invoicing currency, in the format NN.DDD, where NN is an integer of up to 12 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.	
:	5284 Unit price basis	N		Not used in this application	
:	6411 Measure unit qualifier	N		Not used in this application	

Example:

RTE+2:1.4'

Charge rate is 1.40 per unit, in the invoicing currency

EXAMPLE OF A SEQUENCE OF TWO ALLOWANCE/CHARGE SEGMENT GROUPS

ALC+A+++1+LD::28'
PCD+3:10'

Calculation step 1: deduct library discount
Ten percent

ALC+C+++2+BJ::28'
RTE+2:0.9'

Calculation step two: add sleeving charges
90 pence per item

In this example, the sequence numbering ensures that discount is applied only to the price of the goods, and not to the servicing charge.

SG43 TAX-MOA

Segment group SG43: up to five occurrences per repeat of segment group SG38 may be used to specify tax (or tax exemption) applicable to the allowance or charge.

67 TAX DUTY/TAX/FEE DETAILS

One occurrence per repeat of segment group SG43 to specify a tax type and rate

+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
C241	DUTY/TAX/FEE TYPE	M		
+ 5153	Duty/tax/fee type code	M	an..3	GST = goods and services tax IMP = import tax VAT = value added tax
:	1131 Code list qualifier	N		Not used in this application
:	3055 Code list agency code	N		Not used in this application
:	5152 Duty/tax/fee type	N		Not used in this application
+ C533	DUTY/TAX/FEE A/C DETAIL	N		Composite C533 is not used in this application
+ 5286	Duty/tax/fee assessment basis	N		Not used in this application
C243	DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged
+ 5279	Duty/tax/fee rate ID	D	an..7	Defined at national or state level
:	1131 Code list qualifier	D	an..3	
:	3055 Code list agency code	D	n..3	
:	5278 Duty/tax/fee rate	M	an..17	Stated as a percentage, eg 17.5 (up to 4 decimal places)
:	5273 Duty/tax/fee rate basis ID	N	an..12	Not used in this application
:	1131 Code list qualifier	N	an..3	Not used in this application
:	3055 Code list agency code	N	n..3	Not used in this application
+ 5305	Duty/tax/fee category code	D	an..3	Mandatory in the case of VAT E = exempt from tax G = export item, tax not charged H = higher rate
				L = lower rate S = standard rate Z = zero-rated
+ 3446	Party tax ID number	N		Not used in this application

Example:

TAX+7+VAT++++:::17.5+S'

Allowance or charge carries tax at standard rate of 17.5 percent

68 MOA MONETARY AMOUNT

One, and only one, occurrence per repeat of segment group SG43 to give the amount taxable or the amount of tax payable at the rate specified in the linked TAX segment

	C516 MONETARY AMOUNT		M		
+	5025 Monetary amount qualifier		M	an..3	124 = amount of tax payable on the allowance or charge specified in SG38 125 = taxable amount of the allowance or charge specified in SG38
:	5004 Monetary amount		M	n..18	Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
:	6345 Currency, coded		N		Not used in this application: all allowances and charges will be shown in the invoicing currency only
:	6343 Currency qualifier		N		Not used in this application
:	4405 Status, coded		N		Not used in EANCOM

Example:

MOA+125:10.5'

Taxable amount is 10.50 in the invoicing currency

Segment 69 (TDT) (SG44) is not used in this application

70 UNS SECTION CONTROL One mandatory occurrence per message

+0081 Section identification M a1 S = Detail/summary section separator

Example:
UNS+S'

71 CNT CONTROL TOTAL At least one occurrence per message is recommended, to send a control total of the number of line items

C270 CONTROL	M		
+ 6069 Control qualifier	M	an..3	1 = total value of QTY segments in the message (sum of DE 6060's from QTY segment 37) 2 = number of line items (LIN segments) in the message
: 6066 Control value	M	n..18	Control total sent as an integer without leading zeros and without decimal point
: 6411 Measure unit qualifier	N		Not used in this application

Example:
CNT+2:4' Four line items in message

SG48 MOA-SG49

Multiple occurrences of SG48 (maximum 100 per invoice message) are used to carry invoice total amounts in the invoicing currency, unless otherwise specified. The totals required will depend on local practice and on any requirements which are imposed by national tax administrations – it is not possible for EDItEUR to give any absolute recommendations.

72 MOA MONETARY AMOUNT

One mandatory occurrence per segment group SG48

C516	MONETARY AMOUNT		M	
+ 5025	Monetary amount qualifier		M	an..3
: 5004	Monetary amount		M	n..18
: 6345	Currency, coded		D	an..3
: 6343	Currency qualifier		D	
: 4405	Status, coded		N	

See code table on next page
 Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
 ISO 4217 three-alpha code: use only when stating the amount payable in an alternative payment currency, with DE 5025 = 9.
 11 = payment currency: use only with DE 6345
 Not used in EANCOM

Example:

MOA+9:12807.5'

Total payable is 12,807.50 in the invoicing currency

Code table for DE 5025

Code	Name	Description
79	Total line item amounts	Includes charges or allowances specified at line level, but excludes all tax, and charges or allowances specified at invoice header level: ie, the sum of all amounts coded 203 in MOA segment 42 at line level
129	Invoice total before tax and settlement discount	The amount on which settlement discount, if any, is to be calculated, including all allowances and charges, from both header and detail sections, but excluding tax: the sum of the amount coded 79 above plus the amount of all allowances or charges specified in occurrences of SG15
122	Invoice total before tax after settlement discount	The amount coded 129 above after settlement discount (if any) has been deducted.
176	Invoice total tax amount	The sum of the amounts coded 124 in all occurrences of MOA segment 76
86	Message total monetary amount	The total invoice amount due including tax, allowances and charges, but excluding settlement discount, if any: the sum of the amounts coded 129 and 176 above
113	Prepaid amount, if any	The total amount which was prepaid against this invoice or against specific line items
9	Amount payable	After all taxes, prepayments and settlement discount: the total coded 86 above less any prepayment amount coded 113 (<i>NB this assumes there is no settlement discount, which is not yet fully covered here</i>)
259	Total charges	The total of all ancillary charges made at header or line level: see also segment group SG51
260	Total allowances	The total of all allowances stated at header or line level: see also segment group SG51

SG49 RFF-DTM

Segment group 49 is used only when there has been a prepayment against the invoice, to give a reference to the payment. Each occurrence of segment group SG49 must be linked to an occurrence of MOA segment 72 which is coded 113 in DE 5025.

73 RFF REFERENCE

One mandatory occurrence per segment group SG49

C506 REFERENCE		M	
+ 1153 Reference qualifier		M	an..3
: 1154 Reference number		M	an..35
: 1156 Line number		N	
: 4000 Reference version number		N	

AEK = payment order number
 CK = cheque number
 LC = letter of credit number
 PQ = payment reference number

Not used in EANCOM
 Not used in EANCOM

Example:

RFF+CK:528837'

Cheque number 528837

74 DTM DATE/TIME/PERIOD

One optional occurrence per segment group SG49, to give the date of the payment reference

C507 DATE/TIME/PERIOD		M	
+ 2005 Date/time/period qualifier		M	an..3
: 2380 Date/time/period		M	an..35
: 2379 Date/time/period format code		M	an..3

171 = reference date (CCYYMMDD)
 Date in the prescribed format
 102 = code for CCYYMMDD date format

Example:

DTM+171:19960920:102'

Reference date 20 September 1996

SG50 TAX-MOA

For invoices or credit notes which carry tax information, there will typically be one occurrence of segment group SG50 (up to a maximum of 10 per message) for each tax type and rate which occurs in the invoice, to give an invoice total for that tax

75 TAX DUTY/TAX/FEE DETAILS

One mandatory occurrence per segment group SG50

+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
C241	DUTY/TAX/FEE TYPE	M		
+ 5153	Duty/tax/fee type code	M	an..3	GST = goods and services tax IMP = import tax VAT = value added tax
:	1131 Code list qualifier	N		Not used in this application
:	3055 Code list agency code	N		Not used in this application
:	5152 Duty/tax/fee type	N		Not used in this application
+ C533	DUTY/TAX/FEE A/C DETAIL	N		Composite C533 is not used in this application
+ 5286	Duty/tax/fee assessment basis	N		Not used in this application
C243	DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged
+ 5279	Duty/tax/fee rate ID	D	an..7	Defined at national or state level
:	1131 Code list qualifier	D	an..3	
:	3055 Code list agency code	D	n..3	
:	5278 Duty/tax/fee rate	M	an..17	Stated as a percentage, eg 17.5 (up to 4 decimal places)
:	5273 Duty/tax/fee rate basis ID	N	an..12	Not used in this application
:	1131 Code list qualifier	N	an..3	Not used in this application
:	3055 Code list agency code	N	n..3	Not used in this application
+ 5305	Duty/tax/fee category code	D	an..3	Mandatory in the case of VAT E = exempt from tax G = export item, tax not charged H = higher rate
				L = lower rate S = standard rate Z = zero-rated
+ 3446	Party tax ID number	N		Not used in this application

Example:

TAX+7+VAT+++:::17.5+S'

VAT at standard rate of 17.5 percent

76 MOA MONETARY AMOUNT

Two mandatory occurrences per occurrence of segment group SG50, to show the invoice total amount taxable at the rate in the linked TAX segment 75, and the amount of tax due

C516	MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	124 = tax amount (the tax payable at the rate specified in the previous TAX segment) 125 = taxable amount (the total amount subject to tax at the rate specified in the previous TAX segment, taking into account allowances and charges, and settlement discount if applicable)
:	5004 Monetary amount	M	n..18	Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
:	6345 Currency, coded	N		Not used in this application
:	6343 Currency qualifier	N		Not used in this application
:	4405 Status, coded	N		Not used in EANCOM

Example:

MOA+125:11700'
MOA+124:1107.5'

Total amount taxable is 11,700.00 in the invoicing currency
Total tax is 1,107.50 in the invoicing currency

SG51 ALC-ALI-MOA

Each occurrence of segment group SG51 gives the invoice total for an allowance or charge applied to invoiced items or to the invoice as a whole. There can be a maximum of 15 occurrences of segment group SG51 per invoice message. SG51 should be used when there is a requirement to give invoice totals for specific types of allowance of charge. See MOA segment 72 for overall total charges or allowances.

NOTE that it is not permissible to have more than one occurrence of segment group SG51 with the SAME allowance or charge code in ALC DE 7161.

77 ALC ALLOWANCE OR CHARGE

One mandatory occurrence per segment group SG51, defining the reason for the allowance or charge and, if necessary, the method of calculation

+ 5463	Allowance or charge qualifier	M	an..3	A = allowance C = charge
+ C552	ALLOWANCE/CHARGE INFO	N		Composite C552 is not used in this application
+ 4471	Settlement, coded	N		Not used in this application
+ 1227	Calculation sequence code	N		Not used in this application
C214	SPECIAL SERVICES ID	M		Mandatory in this application
+ 7161	Special service code	M	an..3	Allowance/charge type: see code table under ALC segment 26
: 1131	Code list qualifier	N	an..3	Do not use
: 3055	Code list agency code	D	an..3	28 = EDItEUR, only if an EDItEUR code value is used in DE 7161
: 7160	Special service	N	an..35	Do not use

Example:

ALC+C++++CA'

Charge for cataloguing services

Segment 78 (ALI) is not used in this application

79 MOA MONETARY AMOUNT

One mandatory occurrence per SG51 to show the total amount for the allowance or charge type specified in the linked ALC segment

C516	MONETARY AMOUNT		M		
+	5025	Monetary amount qualifier	M	an..3	
:	5004	Monetary amount	M	n..18	
:	6345	Currency, coded	N		
:	6343	Currency qualifier	N		
:	4405	Status, coded	N		

131 = total allowance or charge amount
 Actual monetary amount, in the format NN.DDD, where NN is an integer of up to 15 digits and DDD represents up to 3 decimal places. Non-significant zeros are not sent.
 Not used in this application
 Not used in this application
 Not used in EANCOM

Example:

MOA+131:1170'

Total allowance or charge amount defined by linked ALC segment 72 is 1,170.00 in the invoicing currency

80 UNT MESSAGE TRAILER

One mandatory occurrence per message

+	0074	No of segments in message	M	n..6	
+	0062	Message reference number	M	an..14	

Count includes the UNH and UNT segments
 The reference number given here must be the same as that specified in the UNH segment

Example:

UNT+2345+ME000001'

2345 segments in message reference ME000001