

S.6 USING THE INVOICE FOR JOURNAL BILLING

S.6.0 CHANGES FROM VERSION 1.2

Further changes made since the 9 March 2000 revision are shown in italics.

- Page S-6-5 New section S.6.4 added to show the full EANCOM message structure. Subsequent sections and pages renumbered.
- Page S-6-11 BGM DE 1000: new EDItEUR “standard names” assigned for journal subscription invoices and credit notes, to distinguish them from book invoices on entry to a library system. This approach leaves the code values in DE 1001 unchanged, so that systems which treat all invoices alike can ignore DE 1000.
- BGM DE 1225: status changed to “mandatory” for consistency with current EANCOM practice. Code value 55 is added to cover cases where no payment is expected against the EDI invoice, which is sent to confirm details of items which have been or will be paid for against a consolidated paper invoice.
- Page S-6-13 RFF DE 1153: text added to clarify intended use of code OI.
- Page S-6-14 *NAD DE 3055: code value 31B added for consistency with other serials messages.*
- Page S-6-16 RFF DE 1153: code value IA added.
- Page S-6-18 CUX C504 corrected. “O” (*optional*) coding of data elements changed to “D” for consistency with other segments.
- Page S-6-20 DE 5249 has been added to the PCD segment.
- Page S-6-23 Code values 124 and 125 are now both included in MOA DE 5025.
- Page S-6-25 *PIA segment 34: code MF has been added in DE 7143, for consistency with other serials messages.*
- Page S-6-26 *PIA segment examples showing a SICI now carry DE 3055 “28” to designate EDItEUR codes used in DE 7143.*
- Page S-6-27 IMD segment: substantially altered to reflect an EDItEUR MDMG decision to adopt numeric identifiers in DE 7081 as the recommended set. Alpha identifiers remain valid, except that JFC has been deleted since EDItEUR has not adopted, and does not expect to adopt, a frequency code.
- Page S-6-30 DTM DE 2379: code for CCYYMMDDCCYYMMDD time period format changed from 711 to 718 (curiously, both values exist in EDIFACT with the same meaning, but EANCOM lists only 718).
- Page S-6-31 FTX DE 1131: code list numbers assigned.
- Page S-6-32 FTX DE 4441 code tables moved to new page.
- Page S-6-33 MOA DE 5025: the definition of code value 203 has been changed to make it clear that the amount excludes any applicable taxes.

- Page S-6-34 PRI segment coding revised to be consistent with book invoices, except where there are specific differences for serials.
- Page S-6-36 RFF DE 1153: code value IV added; code value IA added.
- Page S-6-38 Code values 124 and 125 are now both included in MOA DE 5025; code value 56 added to allow taxable amount to be shown at unit price level.
- Page S-6-39 NAD DE 3055: code value 31B added for consistency with other serials messages.
- Page S-6-40 SG38 and ALC segment revised again to clarify intended usage.
- Page S-6-42 PCD segment text again revised to be consistent with page S-6-33.
- Page S-6-45 Code values 124 and 125 are now both included in MOA DE 5025.
- Page S-6-47 MOA DE 5025: code values revised as for book invoice.

S.6.1 PRINCIPLES

This section of the EDItEUR *EDI Implementation Guidelines for Serials* is intended to cover the use of the EDIFACT INVOIC message between subscription agents and libraries for sending invoices and credit notes relating to new subscription orders, subscription renewals and transfers, supply of back issues, and supply of new items under library continuation orders.

In accordance with general EDIFACT practice, the INVOIC message is not seen here as a vehicle for communicating “bibliographic” information about the characteristics of the journals which are being invoiced. The purpose of the message is to communicate the information needed to support and justify the financial transaction, and to enable the library to verify that its supplier has correctly recorded the subscriptions for which it is paying.

For convenience, we will use the expression *invoice line* to include credit note lines, and the expressions *subscription invoice line* and *discrete item invoice line* wherever it is necessary to distinguish between a line which relates to a period of subscription to a journal and a line which relates to the supply of an individually charged item such as a back issue or a continuation item.

The subject of a subscription invoice line is a *subscription* to a publisher’s *product*, which may be a *single journal* or a *combined package of journals*, and may include added items such as overseas shipping costs. Each invoice line is regarded as covering a specified *invoicing period*, and this terminology is used to avoid any confusion between the period which is being billed in an invoice and the much longer period during which the same subscription may remain in force.

Three alternative ways of specifying an invoicing period are supported. The preferred option is by stating the SICI code for the start and end issues in PIA segment 34. Alternatively, a start and end date may be specified in DTM segment 39. As a last resort, a free text definition of the start and end may be given in IMD segment 35. Every effort should be made to maintain a consistent approach from one invoicing period to the next, to facilitate automatic checking that the periods are continuous.

The INVOIC message requires the subscription to be identified by a unique reference or references defined by the buyer and/or by the supplier or agent. It allows the subscription product to be defined by a publisher’s or agent’s catalogue number. It allows a journal to be identified by its ISSN (International Standard Serial Number). Other coding conventions can readily be accommodated if required.

Where the subscription product is a combined package of journals, one line in the invoice can in principle identify the product as a whole, with two or more sub-lines each identifying a constituent part of the combined subscription package (but this functionality is unlikely to be supported in current systems).

This implementation of the INVOIC message assumes that all invoice or credit note detail will be in a single currency, referred to as the “invoicing currency”. Other currencies may be referenced only to the extent that where a price in the invoicing currency has been derived from a publisher’s price in another currency, the price in the original currency may optionally be included as well as the converted price; and a payment currency may be stated which is other than the invoicing currency.

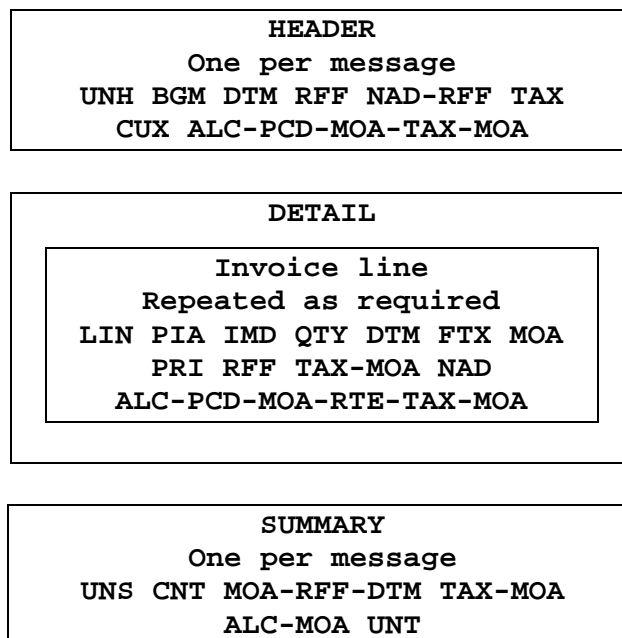
An INVOIC message may be sent either as an original invoice or credit note, or as an electronic copy of a paper original, whose sole purpose is to allow the receiving party to load invoice detail on to a computer system without re-keying. When sent as an original, the message must meet whatever standards are set by individual tax administrations for acceptance of an EDI message as a legal tax document. Some countries may require the use of the TAXCON message to provide tax control totals as part of an INVOIC transmission. EDItEUR cannot attempt to cover the requirements of national or regional administrations in these *Guidelines*. It is the responsibility of individual trading partners to ensure that their implementation meets any required conditions.

S.6.2 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.

S.6.3 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, gives references which apply to the whole message, and names the sender and addressee (and other parties involved in the transaction if so required). Additionally, the first TAX segment specifies tax applicable to the whole invoice. The CUX segment identifies currencies used in the invoice. The segment group ALC-PCD-MOA-TAX-MOA may be used to specify charges or allowances which apply to the invoice as a whole and any taxes which they attract.

The **detail** section consists of a group of eighteen segments which together constitute a single invoice line or sub-line. The LIN segment carries the line sequence number and, when applicable, a sub-line marker. The PIA segment identifies the journal and/or subscription package to which the line refers. The IMD segment may optionally be used to carry the journal title in plain text, and/or a plain text description of a subscription package. The QTY segment states the number of copies, and may also be used to give the forecast number of issues covered by the invoicing period. The DTM segment may define the invoicing period start and end dates (or the start and end issues may be defined by SICI identifiers in the PIA segment). The first MOA segment gives the extended line value, and may give other associated monetary amounts. The PRI segment gives the unit price on which the calculation of line value is based. The RFF segment gives any references needed on the invoice line, including a mandatory unique subscription reference agreed between the trading partners. The NAD segment may be used to specify the ship-to location. The first TAX-MOA segment pair defines any taxes chargeable on the item. Finally, the segment group ALC-PCD-MOA-RTE-TAX-MOA may specify a charge or allowance which applies to the line item, and any tax which it attracts.

The **summary** section carries control totals and repeats the unique identification of the message for purposes of integrity checking. The first MOA segment is repeated to give total monetary amounts for the invoice as a whole, and if the invoice has been partly or wholly prepaid the RFF-DTM segment pair gives a reference to the prepayment. The TAX-MOA segment pair gives invoice tax totals, and the ALC-MOA segment pair may be used to summarise total allowances for charges for the invoice.

S.6.4 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

S.6.5 EXAMPLE OF A JOURNAL INVOICE MESSAGE

To be added

S.6.6 INVOICE MESSAGE SUBSET FOR JOURNAL 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 381 = credit note
:	1131 Code list qualifier	N		Not used in EANCOM
:	3055 Code list agency code	N		Not used in this application
:	1000 Document/message name	M	an..35	JINV = journal invoice JCRN = journal credit note <i>This convention allows journal invoices and credit notes to be distinguished from book invoices and credit notes where the customer system so requires.</i>
+ 1004	Document/message number	M	an..35	Invoice number assigned by document sender: mandatory in EANCOM
+ 1225	Message function, coded	M		Mandatory in EANCOM 9 = original: the EDI message 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/credit note/debit note sent also on paper, the latter being the authoritative document for legal and tax purposes 55 = notification: use when the EDI INVOIC is a notification of detail in support of a consolidated paper invoice against which payment has been or will be made
+ 4343	Response type, coded	N		Not used in this application

Example:

BGM+380:::JINV+9701234+43'

Journal invoice number 9701234

3 DTM DATE/TIME/PERIOD

One mandatory occurrence per message, to give the message date. The message date is the invoice date for legal purposes. It is not necessarily the date on which the INVOIC message is transmitted by EDI (which appears in the UNB segment in the transmission “envelope”). A second occurrence may be required, to give the “tax point” date when the invoice is a tax document. Some administrations require the tax point date to be shown explicitly 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), ie the invoice date
:	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+137:19990920:102'

Message date 20 September 1999

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

SG01 RFF-DTM

Segment group SG01: only RFF segment 7 is used in this application

7 RFF REFERENCE

Up to a theoretical maximum of 9,999 optional occurrences per message, giving references for the message as a whole.

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

AE = authorisation for expense number: use for a library's purchase authorisation number covering multiple orders (only if the whole invoice is issued against a single authorisation number)
 OI = original invoice number: use for a reference to the invoice, often a "one-line" invoice sent on paper, which initiated the renewal invoicing process of which the present invoice or credit note is part
 ON = buyer's order number (only if the whole invoice is issued against a single order number)

Not used in EANCOM
 Not used in EANCOM

Example:

RFF+ON:Q10654'

Order number Q10654

Segment 8 (DTM) is not used in this application

SG02	NAD-FII-SG03-SG05			Each occurrence of SG02 identifies a party to the transaction and may give other linked information. Two occurrences per message are mandatory, to show buyer and supplier/agent, and up to two additional occurrences may be used to show the invoicee and payee if different from the buyer and supplier/agent respectively.
9	NAD NAME AND ADDRESS			One mandatory occurrence per repeat of segment group SG02
+ 3035	Party qualifier	M	an..3	BY = buyer IV = invoicee, if other than buyer PE = payee, if other than supplier/agent SR = supplier's representative: use for subscription agent SU = supplier: use for publisher
	C082 PARTY IDENTIFICATION	D		Recommended practice is to use coded identification, preferably EAN location code
+ 3039	Party identification code	D	an..17	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	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

/continued

9 NAD NAME AND ADDRESS *(continued)*

C080	PARTY NAME	D		Name and address sent as structured text: required if no code is sent in Composite C082, otherwise optional
+ 3036	Party name	D	an..35	Party name in clear text
: 3036	Party name	D	an..35	Continuation lines if required
: 3036	Party name	D	an..35	
: 3036	Party name	D	an..35	
: 3036	Party name	D	an..35	
: 3045	Name format, coded	N	an..3	
C059	STREET	D		
+ 3042	Street & number/P O Box	D	an..35	Building name and/or number and street name, and/or P O Box number
: 3042	Street & number/P O Box	D	an..35	Continuation lines if required
: 3042	Street & number/P O 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

Example:

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

Buyer and agent

Segment 10 (FII) is not used in this application

SG03 RFF

Segment group SG03: EANCOM uses only the RFF segment

11 RFF REFERENCE

Each occurrence of RFF segment 11 gives a reference associated with the linked NAD segment. In this application a maximum of three occurrences per segment group SG02 may be used to give:

- (a) The VAT or other tax registration number of the party named in the linked NAD segment, where required as part of the invoice.
- (b) A tax exemption licence number to justify the use of TAX segment 14 to indicate that the whole invoice is tax-exempt.
- (c) An additional identification code for the party named in the linked NAD segment, ie a supplier's account code for the customer, or a customer's internal reference for the supplier.

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 code for a library account or customer department
 IA = internal vendor number: use with a NAD segment coded SU or SR in DE 3035 when a library has multiple vendor references which apply to different types of business with the same supplier
 VA = VAT registration number
 TL = tax exemption licence number

: 1154 Reference number

M

an..35

: 1156 Line number

N

Not used in EANCOM

: 4000 Reference version number

N

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

Segment group SG06: only TAX segment 14 is used in this application

14 TAX DUTY/TAX/FEE DETAILS

One occurrence per message may be used in this application to specify that the entire invoice is tax-exempt. In all other circumstances, applicable tax must be shown at line level, not at message level. See also RFF segment 11.

+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
+ C241	DUTY/TAX/FEE TYPE	N		Composite C241 is not used in this application
+ C533	DUTY/TAX/FEE A/C DETAIL	N		Composite C533 is not used in this application
+ C243	DUTY/TAX/FEE DETAIL	N		Composite C243 is not used in this application
+ 5305	Duty/tax/fee category code	M	an..3	Mandatory in this application E = exempt from tax G = export item, tax not charged
+ 3446	Party tax ID number	N		Not used in this application

Example:

TAX+7++++E'

Invoice is tax-exempt

Segment 15 (MOA) is not used in this application

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. 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 based on a publisher's price in another currency).

C504 CURRENCY DETAILS

	M		
+ 6347	M	an..3	2 = reference currency
: 6345	M	an..3	ISO 4217 three-alpha code
: 6343	M	an..3	4 = invoicing currency
			10 = pricing currency
: 6348	N		Not used in EANCOM

C504 CURRENCY DETAILS

	D		
+ 6347	D	an..3	3 = target currency
: 6345	D	an..3	ISO 4217 three-alpha code
: 6343	D	an..3	4 = invoicing currency
			11 = payment currency
: 6348	N		Not used in this application

+ 5402 Rate of exchange

D n..12 Where 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'

Invoicing currency is pounds sterling

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

Invoicing currency is pounds sterling, alternative payment currency US dollars

CUX+2:GBP:10+3:USD:4+1.65432'

Invoicing currency is US dollars, and where pounds sterling appear as a pricing currency they are converted at one pound = 1.65432 US dollars

Segments 17 to 25 (DTM, PAT-DTM-PCD-MOA, TDT, TOD-LOC, PAC) (segment groups SG08 to SG13) are not used in this application

SG15	ALC-SG16-SG17-SG18-SG19-SG20				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 invoice value, using PCD segment 28, or (b) a fixed monetary amount, using MOA segment 29. There can in theory be up to 9999 occurrences of segment group SG15 per invoice message.
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	n..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 specified to avoid ambiguity
	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 61
: 1131	Code list qualifier	N			Not used in this application
: 3055	Code list agency code	D	an..3		Required if an EDItEUR code is used in DE 7161: 28 = EDItEUR
: 7160	Special service	O	an..35		Free text description

Example:

ALC+C++++B29::28'

Charge for postage and handling combined

Segment 27 (QTY) (SG17) is not used in this application

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

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

: 1131 Code list qualifier N
 : 3055 Code list agency code N

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	8 = allowance or charge amount
: 5004	Monetary amount	M	n..18	Monetary amount, in the format NNNN.DDD, where NNNN 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: allowances and charges are 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+8:140'

Allowance or charge amount is 140.00 in the invoicing currency

Segment 30 (RTE) (segment group SG20) is not used in this application

SG21 TAX-MOA Segment group SG21: one or more occurrences, up to a maximum of 5, may be used to specify taxes applicable to the allowance or charge specified in an occurrence of segment group SG15

31 TAX DUTY/TAX/FEE DETAILS One mandatory occurrence per segment group SG21

+ 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
	C243 DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged
+ 5279	Duty/tax/fee rate ID	O	an..7	Defined at national or state level
:	1131 Code list qualifier	O	an..3	
:	3055 Code list agency code	O	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 item carries tax at standard rate of 17.5 percent

32 MOA MONETARY AMOUNT

One occurrence per segment group SG21 if tax applying to an allowance or charge is specified as a monetary amount

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	Monetary amount, in the format NNNN.DDD, where NNNN 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: allowances and charges are shown in the invoicing currency only
: 6343	Currency qualifier	N		Not used in this application
: 4405	Status, coded	N		Not used in EANCOM

Example:

TAX+124:1.4'

Tax amount is 1.40 in the invoicing currency

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 or sub-line. In this application the LIN segment is used only to carry the line sequence number and, when applicable, a sub-line marker.

+ 1082	Line item number	M	n..6	Line sequence number, starting at one and incremented by one for each successive line or sub-line ("main" lines and sub-lines are numbered in a single continuous sequence)
+ 1229	Action request/notification	N		Not used in EANCOM
+ C212	ITEM NUMBER ID	N		Composite C212 is not used in this application. Only EAN article numbers are accepted as product identifiers in the LIN segment. Journals and journal subscription packages are not expected to be identified by EAN numbers.
	C829 Sub-line information	D		Composite C829 is used only if sub-lines are sent to give details of the component parts of a combined subscription package
+ 5495	Sub-line indicator	M	an..3	1 = sub-line
: 1082	Line item number	M	n..6	Mandatory in EANCOM if composite C829 is used: the number of the preceding "main" or higher level 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
LIN+17+++1:15 '	Line no 17, sub-line linked to line 15

34 PIA ADDITIONAL PRODUCT ID

One mandatory occurrence per invoice line or sub-line, coded 5 in DE 4347, to identify the journal and/or subscription product to which the line or sub-line refers. The PIA segment is used both for a publisher's or agent's product code (catalogue number) for a subscription product and for the ISSN identifying a journal. It is strongly recommended that coded identification in the PIA segment be used in preference to free text description in IMD segment 35, but it is recognised that this is not always possible.

Where the invoicing period is to be defined in terms of a start and/or end volume or issue, two further repeats of the PIA segment, coded 5S and 5E respectively, may be used to carry the SIC1 which identify the volume(s) or issue(s) in question. See IMD segment 35 and DTM segment 39 for other methods of defining start and end.

+ 4347	Product id function code	M	an..3	5 = product identification 5S = start invoicing period from issue... (EDItEUR code) 5E = end invoicing period with issue... (EDItEUR code) (both inclusive)
	C212 ITEM NUMBER ID	M		
+ 7140	Item number	M	an..35	As specified in DE 7143
: 7143	Item number type, coded	M	an..3	MF = "manufacturer's" article number: use for a publisher's product code, in an invoice line identifying a subscription product, with DE 4347=5 SA = supplier's article number: use for an agent's product code, in an invoice line identifying a subscription product, with DE 4347=5 IS = ISSN: use in an invoice line identifying a subscription product, or in a sub-line identifying part of a combined subscription, with DE 4347=5 SI = SIC1 (EDItEUR code): use in an invoice line identifying a single issue or a subscription product, with DE 4347=5, 5S or 5E IB = ISBN: use in an invoice line for a discrete item, eg a continuation item which carries an ISBN, with DE 4347=5
: 1131	Code list qualifier	N		Not used in EANCOM
: 3055	Code list agency code	D	an..3	28 = EDItEUR, if an EDItEUR code is used in DE 7143

/continued

34 PIA ADDITIONAL PRODUCT ID (continued)

C212	ITEM NUMBER ID	D		Use only if required for either of the two cases described below
+	7140	Item number	D an..35	As specified in DE 7143
:	7143	Item number type, coded	D an..3	IS = ISSN: use where the first occurrence of Composite C212 carries a publisher's or agent's product code, with DE 4347=5
				CT = SICI continuation (EDItEUR code): use when a SICI exceeds 35 characters, with DE 4347=5S or 5E
:	1131	Code list qualifier	N	Not used in EANCOM
:	3055	Code list agency code	D an..3	28 = EDItEUR, if an EDItEUR code is used in DE 7143
+	C212	ITEM NUMBER ID	N	Further repeats of Composite C212 are not used, since no additional forms of coded product identification are required in this application
+	C212	ITEM NUMBER ID	N	
+	C212	ITEM NUMBER ID	N	

Examples:

PIA+5+0137652:SA+1234-5678:IS'	Agent's subscription product code 0137652, single journal with ISSN 1234-5678
PIA+5+0137653:SA'	Agent's subscription product code 0137653, combined subscription package whose components are detailed in consecutive sub-lines, so that no single ISSN is linked to the package as a whole
PIA+5+1234-5678:IS'	ISSN
PIA+5+0137652:SA+1234-5678:IS'	Agent's subscription product code 0137652, single journal with ISSN 1234-5678
PIA+5S+1234-5678?????????????????:SI::28'	Start invoicing period with issue ???? (SICI example needed!)
PIA+5T+1234-5678?????????????????:SI::28'	End invoicing period with issue ????

35 IMD ITEM DESCRIPTION

Optional: up to 10 repeats of IMD segment 35 may be used to give a journal title, and/or a free-form description of the subscription product. If the invoicing period start and end cannot be stated formally by date (see DTM segment 39) or by SICI (see PIA segment 34), they can be specified here in free-form. If the required text for a given item exceeds 70 characters, it may be continued by a further repeat of the IMD segment with the same coding in DE 7081.

+ 7077	Item description type code	M	an..3	<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> L = text, EDItEUR numeric codes in DE 7081 (EDItEUR code)
+ 7081	Item characteristic code	M	an..3	See code tables on next page
C273	ITEM DESCRIPTION	M		
+ 7009	Item description id	N		Not used in this application
:	1131 Code list qualifier	N		
:	3055 Code list agency code	N		
:	7008 Item description	D	an..35	Descriptive data as free text
:	7008 Item description	D	an..35	Continuation line if required
+ 7383	Surface layer indicator code	N		Not used in EANCOM

Examples:

```
IMD+L+050+:::Logique Mathematique'
IMD+L+001+:::Library subscription incl airmail t:o USA'
```

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

Recommended set for journal invoices

001	Journal subscription package description
050	Title of journal
090	Volume title
085	Journal invoicing period start volume/issue
086	Journal invoicing period end volume/issue

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.

JSU	Journal subscription package description	001
JTI	Title of journal	050
JSS	Journal invoicing period start volume/issue	085
JSE	Journal invoicing period end volume/issue	086

Segment 36 (MEA) is not used in this application

37 QTY QUANTITY

One mandatory occurrence per invoice line (not sub-lines) to give the number of copies in the renewal invoicing period. QTY segment 37 may also be used, in invoice lines or sub-lines, to indicate the frequency of the journal by showing the number of issues expected in the invoicing period (see also IMD segment 35).

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

47 = invoiced quantity: use for the number of copies invoiced
 135 = period quantity, planned: expected number of issues in the invoicing period
 The quantity is sent as an integer, omitting non-significant zeros
 Not used in this application

Example:

QTY+47:1'

Invoice is for one copy

Segment 38 (ALI) is not used in this application

39 DTM DATE/TIME/PERIOD

Two occurrences per invoice line (not sub-lines) may be used to indicate the invoicing period start and end dates. A separate occurrence may be used to specify a licensing period for access to an electronic journal.

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

- 194 = start date for invoicing period (CCYYMMDD, CCYYMM or CCYYQ)
- 206 = end date for invoicing period (CCYYMMDD, CCYYMM or CCYYQ)
- 273 = licensing period for electronic access (CCYYMMDDCCYYMMDD)
- Date in one of the prescribed formats
- 102 = code for CCYYMMDD date format
- 608 = code for CCYYQQ date format (Q = quarter 1, 2, 3, 4)
- 610 = code for CCYYMM date format
- 718 = code for CCYYMMDDCCYYMMDD time period format

Example:

DTM+194:199701:610 '
DTM+206:199712:610 '

Invoicing period starts January 1997
Invoicing period ends December 1997

Segment 40 (QVR) is not used in this application

41	FTX FREE TEXT			One or two occurrences of FTX segment 41 may be used to carry (a) a code and/or free text to explain the reason for an invoice or credit note line item which carries an adjustment to a previous invoice or credit note, typically during the same renewal cycle, and/or (b) a code indicating the order type
+ 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	M		Composite C107 is mandatory in this application
+ 4441	Free text, coded	M	an..3	Reason for adjustment code, or order type code: see tables on next page
: 1131	Code list qualifier	M	an..3	EDItEUR code list number: 3S or 4S
: 3055	Code list agency code	M	an..3	28 = EDItEUR
	C108 TEXT LITERAL	D		Composite C108 is used only if DE 4441 = FF
+ 4440	Free text	D	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++A:3S:28'

Publisher price change

Code tables for FTX DE 4441

EDItEUR code list 3S Reason for adjustment codes (based on SISAC serial invoice adjustment codes)	
A = increase or decrease in publisher price	L = bill-later item
B = increase or decrease in number of volumes, issues, pages	M = no charge: to be billed later
C = addition or exclusion of supplementary material	N = credit: item not due for renewal
D = increase or decrease in order quantity	O = credit: item must be ordered direct from publisher
E = change to subscription invoicing period	P = credit: item ceased publication
F = change in currency exchange rate	R = credit: publication suspended, will bill later
FF = free form explanation, see Composite C108	S = credit: cancelled by customer
G = change in rate classification	T = credit: availability restricted - apply to publisher
H = publisher or agent price error	U = credit: duplicate order
J = included in membership or combination package	V = credit: material out of print
K = two or more titles merged	X = other adjustment

EDItEUR code list 4S Journal order type codes	
ADD = addition of one or more copies to an existing order	NEW = new subscription
REN = renewal	TFA = transfer from another agent
TFD = transfer from direct publisher subscription	

SG26 MOA

Segment group SG26: EANCOM uses only MOA segment 42

42 MOA MONETARY AMOUNT

One mandatory occurrence per invoice line (not sub-lines), coded 203 in DE 5025, to give the line item amount after all allowances and charges, excluding tax where applicable. An additional occurrence may be used, with a currency code in DE 6345, to give the equivalent in the original currency of the unit price in PRI segment 47, if this is based on a publisher's price in another currency.

C516	MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	146 = unit price: use only for a unit price in a currency other than that of the invoice 203 = line item amount after line level allowances and charges have been applied, excluding tax
:	5004 Monetary amount	M	n..18	Monetary amount, in the format NNNN.DDD, where NNNN 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	ISO 4217 three-alpha code: use only if DE 5025 = 146
:	6343 Currency qualifier	N		Not used in this application
:	4405 Status, coded	N		Not used in EANCOM

Example:

MOA+203:140 '
MOA+146:4750:BFR '

Line item amount is 140.00 in the invoicing currency
Original unit price is BFr 4750

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

SG28 PRI-DTM

Segment group SG28: only PRI segment 47 is used in this application

47 PRI PRICE DETAILS

One occurrence per invoice line (not sub-lines) is used to give the unit price on which the price calculation is based, which must be in the invoicing currency; and, optionally, to indicate the price type.

In journal supply to libraries, 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 with DE 5125 = AAB, with or without specific coding in DE 5375 and DE 5387.

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

+ 5125 Price qualifier M 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)

: 5118 Price D n..15

AAE = information price (including tax but excluding any allowances or charges)
 AAF = information price (including all taxes, allowances or charges)
 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
 AAL = old price**: use for "last known price" or "previous catalogue price"
 AAQ = firm price**: use for price guaranteed by agent
 CA = publisher's catalogue price
 CP = current price**, as directly verified with publisher
 PV = provisional price: use if publisher's price is not known at date of invoice
 **These code values are taken from EDIFACT code list 5387, transferred to DE 5375 for consistency with general EDItEUR usage of these two data elements.

/continued

47 PRI PRICE DETAILS (continued)

: 5387	Price type qualifier	O	an..3	ABC = member price ABD = pre-payment price FOC = free of charge (EDItEUR code) RTP = retail price: unit price, subject to retail price maintenance SRP = suggested retail price: unit price, not subject to retail price maintenance <i>Other code values may be defined for DE 5387 if required</i>
: 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

Example:

PRI+AAB:125:CP'

Current price, excluding taxes, allowances and charges = 125.00 in the invoicing currency

SG29 RFF-DTM

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

48 RFF REFERENCE

At least one mandatory occurrence per invoice line (not sub-lines) to give a unique subscription reference number which is held by both trading parties. This may be either the agent's or the library's subscription reference; or both may be sent. Additional occurrences up to a maximum of 10 per invoice line are allowed to give other references such as the buyer's purchase order reference or fund number.

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

AE = authorisation for expense number: use for a library's purchase authorisation number covering multiple orders
 BFN = buyer's fund number
 IA = internal vendor number: use 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
 LI = buyer's original order line reference
 OI = original invoice number: use for a reference to the invoice, often a "one-line" invoice sent on paper, which initiated the renewal invoicing process of which the present invoice or credit note is part
 ON = buyer's purchase order reference (at order message level, not line level)
 SNA = agent's unique subscription reference number (EDItEUR code)
 SPA = agent's prior year subscription reference number (EDItEUR code)
 SNL = library's unique subscription reference number (EDItEUR code)

Example:

RFF+SNA:UHB60123 '

Agent's subscription no UHB60123

Segments 49 to 56 (DTM, PAC-MEA, PCI-GIN, LOC-QTY-DTM) (SG30 to SG32) are not used in this application

SG33 TAX-MOA

Segment group SG33: one or more occurrences, up to a maximum of 5 per invoice line, may be used to specify taxes (or tax-exempt status) applicable to the line item

57 TAX DUTY/TAX/FEE DETAILS

One mandatory occurrence per segment group SG33

+ 5283	Duty/tax/fee function code	M	an..3	7 = tax
	C241 DUTY/TAX/FEE TYPE	D		Use if tax type must be specified
+ 5153	Duty/tax/fee type code	M	an..3	Mandatory if composite C241 is used 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
	C243 DUTY/TAX/FEE DETAIL	D		Use if tax rate percentage must be specified. Not used if tax-exempt or tax not charged, or if tax is stated as a monetary amount only.
+ 5279	Duty/tax/fee rate ID	O	an..7	Defined at national or state level
:	1131 Code list qualifier	O	an..3	
:	3055 Code list agency code	O	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		Not used in this application
:	3055 Code list agency code	N		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

Examples:

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

Item carries tax at standard rate of 17.5 percent
Item carries tax (unspecified): tax amount is given in MOA segment 58

58 MOA MONETARY AMOUNT

One occurrence per segment group SG33 if tax applying to the line item is specified as a monetary amount

C516	MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	56 = tax basis amount: use for unit price amount taxable 124 = amount of tax payable on the line item 125 = taxable amount of the value of the line item
: 5004	Monetary amount	M	n..18	Monetary amount, in the format NNNN.DDD, where NNNN 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: allowances and charges are 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+124:1.4'

Tax amount is 1.40 in the invoicing currency

SG34 NAD-SG35

Segment group SG34: only NAD segment 59 is used in this application

59 NAD NAME AND ADDRESS

One occurrence per invoice line may be used to identify the ship-to address for the invoiced item(s), as a mutually agreed code and/or as plain text.

+ 3035	Party qualifier	M	an..3	DP = delivery party: use for ship-to address
	C082 PARTY IDENTIFICATION	D		Coded identification of ship-to address, preferably an EAN location code
+ 3039	Party identification code	D	an..17	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	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		Name and address as structured text
+ 3036	Party name	D	an..35	Party name in clear text
: 3036	Party name	D	an..35	Continuation lines if required
: 3036	Party name	D	an..35	
: 3036	Party name	D	an..35	
: 3036	Party name	D	an..35	
: 3045	Name format, coded	N	an..3	
	C059 STREET	D		
+ 3042	Street & number/P O Box	D	an..35	Building name and/or number and street name, and/or P O Box number
: 3042	Street & number/P O Box	D	an..35	Continuation lines if required
: 3042	Street & number/P O 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

Example:

NAD+DP+5034567876543::9'

EAN location number

Segment 60 (RFF) (segment group SG35) is 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.

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
+ C552	ALLOWANCE/CHARGE INFO	N	
+ 4471	Settlement, coded	N	
+ 1227	Calculation sequence code	D	an..3
	C214 SPECIAL SERVICES ID	M	
+ 7161	Special service code	M	an..3
: 1131	Code list qualifier	N	
: 3055	Code list agency code	D	an..3
: 7160	Special service	O	an..35

A = allowance
C = charge
Composite C552 is not used in this application
Not used in this application
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
Mandatory in this application
Allowance/charge type: see code table on next page
Not used in this application
Required if an EDItEUR code is used in DE 7161: 28 = EDItEUR
Free text description

Example:

ALC+C++++B29::28'

Charge for postage and handling combined

Code table for ALC DE 7161: see next page

61 **ALC ALLOWANCE OR CHARGE** (continued)

Code table for ALC DE 7161

EDItEUR code list 7161 Allowance/charge type codes (based on SISAC serial invoice allowance/charge type codes)	
A17 = all adjustments combined	D20 = air freight
A31 = air express charge	D50 = handling
A32 = air transportation charge	D80 = registered surface mail
A69 = bulk mail charge	E51 = postage cost
A79 = payment on account	E52 = first class mail
A96 = carrier charge	E89 = sea mail
B29 = postage and handling combined	F46 = air mail
C04 = special delivery	F76 = agent check-in charge
C26 = discount given by agent	G74 = service charge
C35 = discount given by publisher	G98 = data storage cost
C70 = courier delivery	H04 = registered air mail
D01 = fax charges	

Segments 62 and 63 (ALI, 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	3 = allowance or charge
: 5482	Percentage	M	n..8	
: 5249	Percentage basis, coded	N		Not used in this application
: 1131	Code list qualifier	N		Not used in EANCOM
: 3055	Code list agency code	N		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	8 = allowance or charge amount
: 5004	Monetary amount	M	n..18	Monetary amount, in the format NNNN.DDD, where NNNN 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+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

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 format NNNN.DD, where NNNN is an integer of up to 12 digits and DD 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

SG43 TAX-MOA Segment group SG43: one or more occurrences, up to a maximum of 5, may be used to specify taxes applicable to the allowance or charge specified in an occurrence of segment group SG38

67 TAX DUTY/TAX/FEE DETAILS One mandatory occurrence per segment group SG43

+ 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	
	C243 DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged	
+ 5279	Duty/tax/fee rate ID	O	an..7	Defined at national or state level	
:	1131 Code list qualifier	O	an..3		
:	3055 Code list agency code	O	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		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	
+ 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'

Item carries tax at standard rate of 17.5 percent

68 MOA MONETARY AMOUNT

One occurrence per segment group SG43 if tax applying to an allowance or charge is specified as a monetary amount

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	Monetary amount, in the format NNNN.DDD, where NNNN 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: allowances and charges are shown in the invoicing currency only
: 6343	Currency qualifier	N		Not used in this application
: 4405	Status, coded	N		Not used in EANCOM

Example:

TAX+125:188.4'

Taxable amount is 188.40 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 One or two occurrences per message, optional

	C270 CONTROL	M		
+ 6069	Control qualifier	M	an..3	1 = sum of quantities in all occurrences of QTY segment 34 2 = number of line items in the message
:	6066 Control value	M	n..18	
:	6411 Measure unit qualifier	N		Not used in this application

Example:

CNT+2:40'

40 lines in this invoice

SG48	MOA-SG49			Multiple occurrences of segment group SG48 (up to a theoretical maximum of 100 per invoice message) are used to carry invoice total amounts
72	MOA MONETARY AMOUNT			One mandatory occurrence per segment group SG48
	C516 MONETARY AMOUNT	M		
+ 5025	Monetary amount qualifier	M	an..3	79 = total line item amounts, including charges or allowances specified at line level but excluding 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 = total amount subject to payment discount, ie the amount on which settlement discount 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. 176 = message total tax amount: the sum of the amounts coded 124 in all occurrences of MOA segment 76 86 = message total monetary amount, ie 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 9 = amount payable, after all taxes, prepayments and settlement discount: the total coded 86 above less any prepayment amount coded 113 (NB this assumes there is no settlement discount, which is not yet covered here) <i>Additional code values to be defined if required</i>
:	5004 Monetary amount	M	n..18	Monetary amount, in the format NNNN.DDD, where NNNN 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	ISO 4217 three-alpha code: use only when stating the amount payable in an alternative payment currency, with DE 5025 = 9
:	6343 Currency qualifier	N		Not used in this application
:	4405 Status, coded	N		Not used in EANCOM

Example:

MOA+9:12807.5'

Total payable is 12,807.50 in the invoicing currency

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. Any occurrence of SG49 must therefore be linked to an occurrence of MOA segment 72 which is coded 113 in DE 5025. There can be only one occurrence of SG49 per SG48.

73 RFF REFERENCE

One mandatory occurrence per segment group SG49

C506	REFERENCE	M		
+ 1153	Reference qualifier	M	an..3	PQ = payment reference number
: 1154	Reference number	M	an..35	
: 1156	Line number	N		Not used in EANCOM
: 4000	Reference version number	N		Not used in EANCOM

Example:

RFF+PQ:970528837'

Payment reference 970528837

74 DTM DATE/TIME/PERIOD

One optional occurrence per segment group SG49 to give the date of the prepayment referenced in RFF segment 73

C507	DATE/TIME/PERIOD	M		
+ 2005	Date/time/period qualifier	M	an..3	171 = reference 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+171:19990920:102'

Prepayment dated 20 September 1999

SG50	TAX-MOA			If tax is chargeable on the invoice, there should be one occurrence of segment group SG50 for each tax type and rate which occurs in the invoice message, to give an invoice total for that tax (up to a maximum of 10)
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
	C243 DUTY/TAX/FEE DETAIL	D		Mandatory unless tax-exempt or tax not charged
+ 5279	Duty/tax/fee rate ID	O	an..7	Defined at national or state level
: 1131	Code list qualifier	O	an..3	
: 3055	Code list agency code	O	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		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
+ 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 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	Monetary amount, in the format NNNN.DDD, where NNNN 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 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 a particular type of allowance or charge applied to invoiced items. There can be a maximum of 15 occurrences of segment group SG51 per invoice message.

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	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 specified to avoid ambiguity
	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 61
: 1131	Code list qualifier	N		Not used in this application
: 3055	Code list agency code	D	an..3	Required if an EDItEUR code is used in DE 7161: 28 = EDItEUR
: 7160	Special service	O	an..35	Free text description

Example:

ALC+C++++B29::28'

Charge for postage and handling combined

Segment 78 (ALI) is not used in this application

79 MOA MONETARY AMOUNT

One mandatory occurrence per segment group SG51 to give the invoice total amount, in the invoicing currency, 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	

8 = allowance or charge amount
 Monetary amount, in the format NNNN.DDD, where NNNN 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+8:1170'

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