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.
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:

```
HEADER
One per message
UNH BGM DTM RFF NAD-RFF TAX
CUX ALC-PCD-MOA-TAX-MOA

DETAIL
Invoice line
Repeated as required
LIN PIA IMD QTY DTM FTX MOA
PRI RFF TAX-MOA NAD
ALC-PCD-MOA-RTE-TAX-MOA

SUMMARY
One per message
UNS CNT MOA-RFF-DM TAX-MOA
ALC-MOA UNT
```

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.

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**Summary**
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'
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<td></td>
</tr>
<tr>
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<td>M an..3</td>
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</tr>
<tr>
<td>: 1131 Code list qualifier</td>
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<td>: 3055 Code list agency code</td>
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</tr>
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</table>

This convention allows journal invoices and credit notes to be distinguished from book invoices and credit notes where the customer system so requires.

| + 1004 Document/message number | M an..35 |
| + 1225 Message function, coded | M |

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
+ 2005 Date/time/period qualifier M an..3 131 = tax point date (CCYYMMDD)
: 2380 Date/time/period M an..35 137 = message date (CCYYMMDD), ie the invoice date
: 2379 Date/time/period format code M an..3 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
Segment group SG01: only RFF segment 7 is used in this application

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

- **C506** REFERENCE
  - 1153 Reference qualifier
    - **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)

- **: 1154** Reference number
  - **: 1156** Line number
    - **: 4000** Reference version 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  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

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'  Buyer and agent
NAD+SR+5098765432189::9'

Segment 10 (FII) is not used in this application
SG03 RFF

11 RFF REFERENCE

Segment group SG03: EANCOM uses only the RFF segment

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, i.e. 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

Example:

RFF+VA:123456789

VAT number 123456789

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

© Copyright EDItEUR 2000
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
Segment group SG07: only CUX segment 16 is used in this application

### SG07 CUX-DTM

#### 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).

<table>
<thead>
<tr>
<th>C504</th>
<th>CURRENCY DETAILS</th>
<th>M</th>
<th>+ 6347 Currency details qualifier</th>
<th>M an..3</th>
<th>2 = reference currency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>: 6345 Currency, code</td>
<td>M an..3</td>
<td>ISO 4217 three-alpha code</td>
<td></td>
<td>4 = invoicing currency</td>
</tr>
<tr>
<td></td>
<td>: 6343 Currency qualifier</td>
<td>M an..3</td>
<td></td>
<td></td>
<td>10 = pricing currency</td>
</tr>
<tr>
<td></td>
<td>: 6348 Currency rate base</td>
<td>N</td>
<td>Not used in EANCOM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C504</td>
<td>CURRENCY DETAILS</td>
<td>D</td>
<td>+ 6347 Currency details qualifier</td>
<td>D an..3</td>
<td>3 = target currency</td>
</tr>
<tr>
<td></td>
<td>: 6345 Currency, code</td>
<td>D an..3</td>
<td>ISO 4217 three-alpha code</td>
<td></td>
<td>4 = invoicing currency</td>
</tr>
<tr>
<td></td>
<td>: 6343 Currency qualifier</td>
<td>D an..3</td>
<td></td>
<td></td>
<td>11 = payment currency</td>
</tr>
<tr>
<td></td>
<td>: 6348 Currency rate base</td>
<td>N</td>
<td>Not used in this application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ 5402</td>
<td>Rate of exchange</td>
<td>D n..12</td>
<td>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</td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ 6341</td>
<td>Currency market exchange</td>
<td>N</td>
<td>Not used in this application</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>C501</th>
<th>PERCENTAGE DETAILS</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 5245</td>
<td>Percentage qualifier</td>
<td>M    an..3</td>
</tr>
<tr>
<td>: 5482</td>
<td>Percentage</td>
<td>M    n..8</td>
</tr>
<tr>
<td>: 5249</td>
<td>Percentage basis, coded</td>
<td>M  an..3</td>
</tr>
</tbody>
</table>

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

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

Not used in EANCOM

Example:

PCD+3:12.5:13'

Allowance or charge is calculated as 12.5 percent of the whole invoice value
Segment group SG19: only MOA segment 29 is used in EANCOM

### MOA MONETARY AMOUNT

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

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
<th>Required</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>C516</td>
<td>MONETARY AMOUNT</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>+ 5025</td>
<td>Monetary amount qualifier</td>
<td>M</td>
<td>an..3</td>
</tr>
<tr>
<td>: 5004</td>
<td>Monetary amount</td>
<td>M</td>
<td>n..18</td>
</tr>
</tbody>
</table>

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 | |
| : 6343 | Currency qualifier | N | |
| : 4405 | Status, coded | N | |

Not used in this application: allowances and charges are 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

---

**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

+ 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..3
  Defined at national or state level

: 1131 Code list qualifier O N Not used in this application
: 3055 Code list agency code O n..3

+ 5278 Duty/tax/fee rate M an..17

: 1131 Code list qualifier M N Not used in this application
: 3055 Code list agency code M n..3

+ 5305 Duty/tax/fee category code D an..3

: 1131 Code list qualifier D N Not used in this application
: 3055 Code list agency code D n..3

+ 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
: 5004 Monetary amount M n..18
: 6345 Currency, coded N
: 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.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 1082 Line item number</td>
<td>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)</td>
</tr>
<tr>
<td>+ 1229 Action request/notification</td>
<td>Not used in EANCOM</td>
</tr>
<tr>
<td>+ C212 ITEM NUMBER ID</td>
<td>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.</td>
</tr>
<tr>
<td>C829 Sub-line information</td>
<td>Composite C829 is used only if sub-lines are sent to give details of the component parts of a combined subscription package</td>
</tr>
<tr>
<td>+ 5495 Sub-line indicator</td>
<td>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</td>
</tr>
<tr>
<td>+ 1222 Configuration level</td>
<td>Not used in EANCOM</td>
</tr>
<tr>
<td>+ 7083 Configuration, coded</td>
<td>Not used in this application</td>
</tr>
</tbody>
</table>

Examples:

LIN+5'  Line no 5
LIN+17+++1:15'  Line no 17, sub-line linked to line 15
### 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 SICI 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** an..35
- **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 = SICI (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

- **N** Not used in EANCOM
- **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
+ 7140 Item number D an..35
: 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 = EDIEUR, if an EDIEUR code is used in DE 7143

+ C212 ITEM NUMBER ID N
+ 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'
PIA+5S+1234-5678??????????????????:SI::28'
PIA+5T+1234-5678??????????????????:SI::28'
   Agent’s subscription product code 0137652, single journal with ISSN 1234-5678
   Start invoicing period with issue ?? (?) (SICI example needed!)
   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

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)
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

+ 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Journal subscription package description</td>
</tr>
<tr>
<td>050</td>
<td>Title of journal</td>
</tr>
<tr>
<td>090</td>
<td>Volume title</td>
</tr>
<tr>
<td>085</td>
<td>Journal invoicing period start volume/issue</td>
</tr>
<tr>
<td>086</td>
<td>Journal invoicing period end volume/issue</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSU</td>
<td>Journal subscription package description</td>
<td>001</td>
</tr>
<tr>
<td>JTI</td>
<td>Title of journal</td>
<td>050</td>
</tr>
<tr>
<td>JSS</td>
<td>Journal invoicing period start volume/issue</td>
<td>085</td>
</tr>
<tr>
<td>JSE</td>
<td>Journal invoicing period end volume/issue</td>
<td>086</td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>C186</th>
<th>QUANTITY DETAILS</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 6063</td>
<td>Quantity qualifier</td>
<td>M an..3</td>
</tr>
<tr>
<td>: 6060</td>
<td>Quantity</td>
<td>M n..15</td>
</tr>
<tr>
<td>: 6411</td>
<td>Measure unit qualifier</td>
<td>N</td>
</tr>
</tbody>
</table>

**Example:**

```
QTY+47:1'
```

Invoice is for one copy

Segment 38 (ALI) is not used in this application
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.

<table>
<thead>
<tr>
<th>DTM DATE/TIME/PERIOD</th>
<th>C507 DATE/TIME/PERIOD</th>
<th>M</th>
<th>2005 Date/time/period qualifier</th>
<th>M</th>
<th>an..3</th>
</tr>
</thead>
<tbody>
<tr>
<td>194 = start date for invoicing period (CCYYMMDD, CCYYMM or CCYYQ)</td>
<td>206 = end date for invoicing period (CCYYMMDD, CCYYMM or CCYYQ)</td>
<td>273 = licensing period for electronic access (CCYYMMDDCCYYMMDD)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2380 Date/time/period</td>
<td>Date in one of the prescribed formats</td>
<td>608 = code for CCYYMMDD date format</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2379 Date/time/period format code</td>
<td>610 = code for CCYYMM date format</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>718 = code for CCYYMMDDCCYYMMDD time period format</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example:

- DTM+194:199701:610' Invoicing period starts January 1997
- DTM+206:199712:610' Invoicing period ends December 1997

Segment 40 (QVR) is not used in this application
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.

<table>
<thead>
<tr>
<th>Segment</th>
<th>Description</th>
<th>Mandatory</th>
<th>Length</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 FTX</td>
<td>FREE TEXT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4451</td>
<td>M an..3</td>
<td>Text subject qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4453</td>
<td>N</td>
<td>Text function, coded</td>
</tr>
<tr>
<td>C107</td>
<td>TEXT REFERENCE</td>
<td>M</td>
<td>an..3</td>
<td>Composite C107 is mandatory in this application</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1131</td>
<td>M an..3</td>
<td>Code list qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3055</td>
<td>M an..3</td>
<td>Code list agency code</td>
</tr>
<tr>
<td>C108</td>
<td>TEXT LITERAL</td>
<td>D</td>
<td></td>
<td>Composite C108 is used only if DE 4441 = FF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4440</td>
<td>D an..70</td>
<td>Free text</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4440</td>
<td>D an..70</td>
<td>Continuation lines if required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3453</td>
<td>N</td>
<td>Language, coded</td>
</tr>
</tbody>
</table>

Example:

FTX+LIN++A:3S:28' Publisher price change
Code tables for FTX DE 4441

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

<table>
<thead>
<tr>
<th>EDItEUR code list 4S</th>
<th>Journal order type codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADD = addition of one or more copies to an existing order</td>
<td>NEW = new subscription</td>
</tr>
<tr>
<td>REN = renewal</td>
<td>TFA = transfer from another agent</td>
</tr>
<tr>
<td>TFD = transfer from direct publisher subscription</td>
<td></td>
</tr>
</tbody>
</table>
Segment group SG26: EANCOM uses only MOA segment 42

SG26   MOA

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  
+ 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

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
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

Other code values may be defined for DE 5387 if required

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

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.

| Reference Qualifier | M       | Annotated
|--------------------|---------|------------
| 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
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

One mandatory occurrence per segment group SG33

SG33 TAX-MOA

57 TAX DUTY/TAX/FEE DETAILS

+ 5283 Duty/tax/fee function code M an..3
  C241 DUTY/TAX/FEE TYPE D
  + 5153 Duty/tax/fee type code M an..3

: 1131 Code list qualifier N
: 3055 Code list agency code N
: 5152 Duty/tax/fee type N
+ C533 DUTY/TAX/FEE A/C DETAIL N
  C243 DUTY/TAX/FEE DETAIL D

+ 5279 Duty/tax/fee rate ID O an..7
  : 1131 Code list qualifier O an..3
  : 3055 Code list agency code O n..3
  : 5278 Duty/tax/fee rate M an..17
  : 5273 Duty/tax/fee rate basis ID N an..12
  : 1131 Code list qualifier N
  : 3055 Code list agency code N
+ 5305 Duty/tax/fee category code D an..3

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

Examples:

E = exempt from tax
L = lower rate
G = export item, tax not charged
S = standard rate
H = higher rate
Z = zero-rated

Stated as a percentage, eg 17.5 (up to 4 decimal places)
Not used in this application
Defined at national or state level
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>MOA MONETARY AMOUNT</td>
<td>One occurrence per segment group SG33 if tax applying to the line item is specified as a monetary amount</td>
</tr>
<tr>
<td>C516</td>
<td>MONETARY AMOUNT</td>
<td>M</td>
</tr>
<tr>
<td>5025</td>
<td>Monetary amount qualifier</td>
<td>M an..3</td>
</tr>
<tr>
<td>124</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>6345</td>
<td>Currency, coded</td>
<td>N</td>
</tr>
<tr>
<td>6343</td>
<td>Currency qualifier</td>
<td>N</td>
</tr>
<tr>
<td>4405</td>
<td>Status, coded</td>
<td>N</td>
</tr>
</tbody>
</table>

Example:

MOA+124:1.4' Tax amount is 1.40 in the invoicing currency
**SG34** NAD-SG35

59 NAD NAME AND ADDRESS

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3035</td>
<td>Party qualifier</td>
<td>M an..3</td>
</tr>
<tr>
<td>3039</td>
<td>Party identification code</td>
<td>D an..17</td>
</tr>
<tr>
<td>1131</td>
<td>Code list qualifier</td>
<td>N</td>
</tr>
<tr>
<td>3055</td>
<td>Code list responsible agency</td>
<td>D an..3</td>
</tr>
</tbody>
</table>

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

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**

- **DP** = delivery party; use for ship-to address
- Coded identification of ship-to address, preferably an EAN location code
- EAN location code - format n13; or other mutually agreed code

**3039 Party identification code**

- Not used in EANCOM
- 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

**3055 Code list responsible agency**

- 91 = assigned by supplier or supplier’s agent
- 92 = assigned by buyer

**3036 Party name**

- Name and address as structured text
- Party name in clear text
- Continuation lines if required

**3042 Street & number/P O Box**

- Building name and/or number and street name, and/or P O Box number
- Continuation lines if required

**3164 City name**

- City or town name in clear text

**3229 Country sub-entity ID**

- County, state, province in clear text

**3251 Postcode**

- Postal code

**3207 Country, coded**

- 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

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.

### 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Mandatory</th>
<th>Required/Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>5463</td>
<td>Allowance or charge qualifier</td>
<td>M</td>
<td>an..3</td>
</tr>
<tr>
<td>C552</td>
<td>ALLOWANCE/CHARGE INFO</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>4471</td>
<td>Settlement, coded</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>1227</td>
<td>Calculation sequence code</td>
<td>D</td>
<td>an..3</td>
</tr>
<tr>
<td>C214</td>
<td>SPECIAL SERVICES ID</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>7161</td>
<td>Special service code</td>
<td>M</td>
<td>an..3</td>
</tr>
<tr>
<td>1131</td>
<td>Code list qualifier</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>3055</td>
<td>Code list agency code</td>
<td>D</td>
<td>an..3</td>
</tr>
<tr>
<td>7160</td>
<td>Special service</td>
<td>O</td>
<td>an..35</td>
</tr>
</tbody>
</table>

**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

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

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.

<table>
<thead>
<tr>
<th>C501</th>
<th>PERCENTAGE DETAILS</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 5245</td>
<td>Percentage qualifier</td>
<td>M</td>
</tr>
<tr>
<td>: 5482</td>
<td>Percentage</td>
<td>M</td>
</tr>
<tr>
<td>: 5249</td>
<td>Percentage basis, coded</td>
<td>N</td>
</tr>
<tr>
<td>: 1131</td>
<td>Code list qualifier</td>
<td>N</td>
</tr>
<tr>
<td>: 3055</td>
<td>Code list agency code</td>
<td>N</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>C516</th>
<th>MONETARY AMOUNT</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 5025</td>
<td>Monetary amount qualifier</td>
<td>M</td>
</tr>
<tr>
<td>: 5004</td>
<td>Monetary amount</td>
<td>M</td>
</tr>
<tr>
<td>: 6345</td>
<td>Currency, coded</td>
<td>N</td>
</tr>
<tr>
<td>: 6343</td>
<td>Currency qualifier</td>
<td>N</td>
</tr>
<tr>
<td>: 4405</td>
<td>Status, coded</td>
<td>N</td>
</tr>
</tbody>
</table>

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 |
| : 5420 | Rate per unit | M n..15 |

1 = Allowance rate
2 = Charge rate

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
  C241 DUTY/TAX/FEE TYPE M
  + 5153 Duty/tax/fee type code M an..3

  : 1131 Code list qualifier N
  : 3055 Code list agency code N
  : 5152 Duty/tax/fee type N

+ C533 DUTY/TAX/FEE A/C DETAIL N
  C243 DUTY/TAX/FEE DETAIL D

  + 5279 Duty/tax/fee rate ID O an..7
    : 1131 Code list qualifier O an..3
    : 3055 Code list agency code O n..3
    : 5278 Duty/tax/fee rate M an..17
    : 5273 Duty/tax/fee rate basis ID N
    : 1131 Code list qualifier N
    : 3055 Code list agency code N

+ 5305 Duty/tax/fee category code D an..3

  + 3446 Party tax ID number N

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

<table>
<thead>
<tr>
<th></th>
<th>C516</th>
<th>MONETARY AMOUNT</th>
<th>M</th>
<th>+ 5025</th>
<th>Monetary amount qualifier</th>
<th>M</th>
<th>an..3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>: 5004</td>
<td>Monetary amount</td>
<td>M</td>
<td>n..18</td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: 6345</td>
<td>Currency, coded</td>
<td>N</td>
<td></td>
<td>Not used in this application: allowances and charges are shown in the invoicing currency only</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: 6343</td>
<td>Currency qualifier</td>
<td>N</td>
<td></td>
<td>Not used in this application</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>: 4405</td>
<td>Status, coded</td>
<td>N</td>
<td></td>
<td>Not used in EANCOM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

Example:
  UNS+S'

71 CNT CONTROL TOTAL

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

Example:
  CNT+2:40'  40 lines in this invoice
Multiple occurrences of segment group SG48 (up to a theoretical maximum of 100 per invoice message) are used to carry invoice total amounts

One mandatory occurrence per segment group SG48

<table>
<thead>
<tr>
<th>Segments</th>
<th>Description</th>
<th>Code value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG48</td>
<td>MOA-SG49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C516</td>
<td>MONETARY AMOUNT</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>+ 5025</td>
<td>Monetary amount qualifier</td>
<td>M an..3</td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>MOA MONETARY AMOUNT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

Additional code values to be defined if required:

- 5004 Monetary amount | M n..18 |
- 6345 Currency, coded | D an..3 |
- 6343 Currency qualifier | N |
- 4405 Status, coded | N |

Example:

```
MOA+9:12807.5'
```

Total payable is 12,807.50 in the invoicing currency.
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.

**SG49  RFF-DTM**

One mandatory occurrence per segment group SG49

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Mandatory/Optional</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>C506</td>
<td>REFERENCE</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>+ 1153</td>
<td>Reference qualifier</td>
<td>M  an..3</td>
<td></td>
</tr>
<tr>
<td>: 1154</td>
<td>Reference number</td>
<td>M  an..35</td>
<td></td>
</tr>
<tr>
<td>: 1156</td>
<td>Line number</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>: 4000</td>
<td>Reference version number</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Mandatory/Optional</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>C507</td>
<td>DATE/TIME/PERIOD</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>+ 2005</td>
<td>Date/time/period qualifier</td>
<td>M  an..3</td>
<td></td>
</tr>
<tr>
<td>: 2380</td>
<td>Date/time/period</td>
<td>M  an..35</td>
<td></td>
</tr>
<tr>
<td>: 2379</td>
<td>Date/time/period format code</td>
<td>M  an..3</td>
<td></td>
</tr>
</tbody>
</table>

Example:

DTM+171:19990920:102'

Prepayment dated 20 September 1999
EDiEUR EDI Implementation Guidelines for Serials, Version 1.3

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
  C241 DUTY/TAX/FEE TYPE M
  + 5153 Duty/tax/fee type code M an..3

: 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
  C243 DUTY/TAX/FEE DETAIL D Mandatory unless tax-exempt or tax not charged

+ 5279 Duty/tax/fee rate ID O an..7
  : 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

+ 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

<table>
<thead>
<tr>
<th>C516</th>
<th>MONETARY AMOUNT</th>
<th>M</th>
<th>124 = tax amount (the tax payable at the rate specified in the previous TAX segment)</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 5025</td>
<td>Monetary amount qualifier</td>
<td>M an..3</td>
<td>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)</td>
</tr>
<tr>
<td>: 5004</td>
<td>Monetary amount</td>
<td>M n..18</td>
<td>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.</td>
</tr>
<tr>
<td>: 6345</td>
<td>Currency, coded</td>
<td>N</td>
<td>Not used in this application</td>
</tr>
<tr>
<td>: 6343</td>
<td>Currency qualifier</td>
<td>N</td>
<td>Not used in this application</td>
</tr>
<tr>
<td>: 4405</td>
<td>Status, coded</td>
<td>N</td>
<td>Not used in EANCOM</td>
</tr>
</tbody>
</table>

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
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.

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

**SG51 ALC-ALI-MOA**

**77 ALC ALLOWANCE OR CHARGE**

- **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**

- **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

+ 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

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

Example:
UNT+2345+ME000001'

2345 segments in message reference ME000001