

T.7 USING THE DESPATCH ADVICE TO NOTIFY DELIVERIES

VERSION 1.2, 30 October 2006 – new or changed content is shown in red

T.7.1 PRINCIPLES

The DESADV message enables a supplier to communicate to a customer the content of a delivery which includes items from either a single order or a number of orders. The message must list only those items from referenced orders that are being delivered in full or in part in the delivery in question.

A delivery is taken to be a number of items that are despatched as a single consignment to a single delivery address. If the order specified split deliveries to a number of different delivery addresses, there will be a separate DESADV message for each delivery address.

A DESADV message should accurately reflect the content of the delivery to which it refers. In practice, discrepancies will sometimes arise when the despatch advice is generated before the order is picked - which is still a general book trade practice. Such discrepancies should be reconciled by sending a further ORDRSP message detailing the missing lines and stating whether they are recorded as dues or whether they have been cancelled as unavailable.

In previous versions of these Guidelines, the DESADV message has been specified only as a flat list of items sent in a delivery, without regard to their distribution across different packages, reflecting the general practice in the book trade, where systems have not traditionally been capable of specifying the contents of individual packages. In Version 1.2, this functionality is preserved unchanged, but the message implementation is extended to include the functionality needed to specify the contents of each package in a consignment, with a package ID that can be expressed as a barcode label. This enables the message to be used to support the automated checking of goods received by scanning the label.

Both forms of message use the same Document/message code 351 in BGM DE 1001, but if desired they can be differentiated by text in the Document/message name element, BGM DE 1001, as follows:

NO PACKAGE DETAIL WITH PACKAGE DETAIL

In a “NO PACKAGE DETAIL” message there is only one instance of segment group 10 (or “CPS loop”), describing the consignment as a whole.

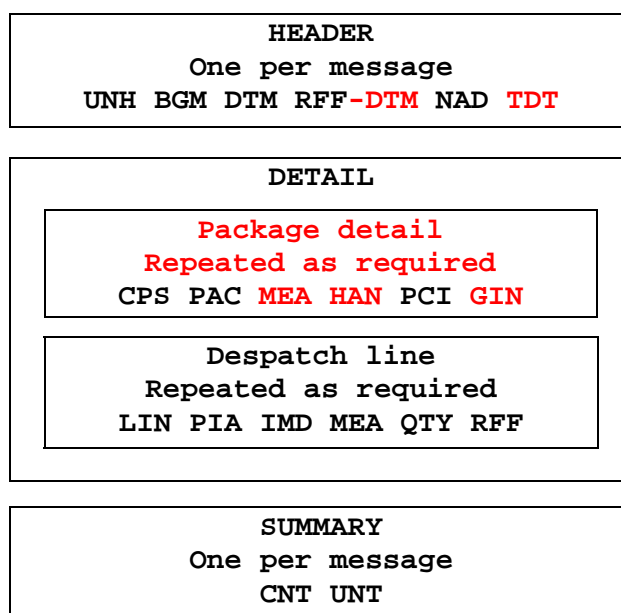
In a “WITH PACKAGE DETAIL” message there are multiple occurrences of segment group 10. The first occurrence describes the consignment as a whole. Subsequent occurrences are “children” of the first occurrence, describing individual pallets or packs and their contents. While in principle the format will support a multi-level hierarchy of (eg) consignment – pallet – parcel, in practice it is expected that book trade implementations will be limited to two levels of hierarchy, the first representing the consignment, and the second representing packaging units within the consignment that are barcode labelled so that a list of the contents can be associated with the identification number in the barcode.

T.7.2 EDIFACT DIRECTORY

The version of the despatch advice message adopted by EDItEUR is EANCOM DESADV Version 005, taken from the 1997 release of the EANCOM message set, based on EDIFACT Directory D.96A.

T.7.3 MESSAGE BLOCK DIAGRAM

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



The **header** section specifies the message type, gives the message a unique identification and date and any references which apply to the message as a whole, and names the sender, addressee, and delivery location.

The **detail** section begins with a CPS (“consignment packing sequence”) segment. This relates to the conventional use of the despatch advice, when a consignment is described in terms of both the products which are being delivered and how they are packed and shipped. Only very limited packing information is required in book trade despatch advices. Most of the segments which carry this information in the EANCOM message are omitted. However, the CPS segment is mandatory, and in the present application there will be one occurrence in each message. It may optionally be followed by a PAC segment stating the number and type of packages making up the consignment, and by one or more PCI segments listing the codes with which individual packages are labelled.

The next group of seven segments together constitutes a single despatch advice line. The LIN segment carries the line sequence number within the message and may give the EAN-13 product code for the item despatched. The PIA segment, which is repeatable within the group, gives other forms of identification, eg ISBN. The IMD segment may optionally be used to carry a brief description of the item, though this should not normally be required. The MEA segment may give the unit weight and/or dimensions of the item supplied. The QTY segment must state the quantity despatched, and may give other related quantities. The RFF segment should give a unique reference identifying the buyer’s order line to which the despatch refers.

The **summary** section carries control totals and repeats the unique identification of the message for purposes of integrity checking.

T.7.4 DESADV MESSAGE STRUCTURE

The table on the next three pages shows the complete EANCOM DESADV message structure. Shaded segments and segment groups are NOT used in the EDItEUR implementation for trade 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	10	Date/time/period
	SG01		C	10	RFF-DTM
	RFF	4	M	1	Reference
	DTM	5	C	1	Date/time/period
	SG02		C	10	NAD-SG03-SG04
	NAD	6	M	1	Name and address
	SG03		C	10	RFF
	RFF	7	M	1	Reference
	SG04		C	10	CTA-COM
	CTA	8	M	1	Contact information
	COM	9	C	5	Communication contact
	SG05		C	10	TOD-LOC
	TOD	10	M	1	Terms of delivery or transport
	LOC	11	C	5	Place/location identification
	SG06		C	10	TDT-SG07
	TDT	12	M	1	Details of transport
	SG07		C	10	LOC
	LOC	13	M	1	Place/location identification
	SG08		C	10	EQD-MEA-SEL
	EQD	14	M	1	Equipment details
	MEA	15	C	5	Measurements
	SEL	16	C	25	Seal number

Detail

SG10		C	9999	CPS-SG11-SG15
CPS	17	M	1	Consignment packing sequence
SG11		C	9999	PAC-MEA-QTY-SG12-SG13
PAC	18	M	1	Package
MEA	19	C	10	Measurements
QTY	20	C	10	Quantity
SG12		C	10	HAN
HAN	21	M	1	Handling instructions
SG13		C	1000	PCI-RFF-DTM-SG14
PCI	22	M	1	Package identification
RFF	23	C	1	Reference
DTM	24	C	5	Date/time/period
SG14		C	99	GIN
GIN	25	M	1	Goods identity number
SG15		C	9999	LIN-PIA-IMD-MEA-QTY-DLM-DTM-FTX-SG16-SG18-SG20-SG23
LIN	26	M	1	Line item
PIA	27	C	10	Additional product id
IMD	28	C	25	Item description
MEA	29	C	10	Measurements
QTY	30	C	10	Quantity
DLM	31	C	100	Delivery limitations
DTM	32	C	5	Date/time/period
FTX	33	C	5	Free text
SG16		C	10	RFF-DTM
RFF	34	M	1	Reference
DTM	35	C	1	Date/time/period
SG18		C	100	LOC-DTM-QTY
LOC	36	M	1	Place/location identification
DTM	37	C	1	Date/time/period
QTY	38	C	10	Quantity
SG20		C	9999	PCI-DTM-MEA-QTY-SG21-SG22
PCI	39	M	1	Package identification
DTM	40	C	5	Date/time/period
MEA	41	C	10	Measurements
QTY	42	C	1	Quantity
SG21		C	10	GIN-DLM
GIN	43	M	1	Goods identity number
DLM	44	C	100	Delivery limitations

SG22		C	10	HAN
HAN	45	M	1	Handling instructions
SG23		C	10	QVR-DTM
QVR	46	M	1	Quantity variances
DTM	47	C	5	Date/time/period

Summary

CNT	48	C	5	Control total
UNT	49	M	1	MESSAGE TRAILER

T.7.5 EXAMPLE OF A BOOK DESPATCH ADVICE MESSAGE

The very simple example below shows a message carrying two despatch advice lines, **using the format without package detail**. Line 2 shows a case where the product ordered is no longer available, and a substitute product is despatched.

To make the example easier to read, each segment has been placed on a separate line, and blank lines have been left between the sections identified in the block diagram on the last page. Note, however, that when an EDIFACT message is transmitted it is sent as a continuous data string, without carriage returns between segments.

UNH+ME000567+DESADV:D:96A:UN:EAN005'	Header
BGM+351:::NO PACKAGE DETAIL+587441+9'	Despatch advice number
DTM+137:19990901:102'	Message date
DTM+11:19990902:102'	Despatch date
NAD+SU+5411234512300::9'	Supplier ID
NAD+BY+5412345000010::9'	Buyer ID
NAD+DP+5412345000132::9'	Delivery location
CPS+1'	CPS segment
PAC+3++PK'	Three packages
LIN+1'	Line 1
PIA+5+0123456789:IB'	ISBN
MEA+PD+HT+MMT:215'	Height 215 mm
MEA+PD+WD+MMT:134'	Width 134 mm
MEA+PD+TH+MMT:32'	Thickness 32 mm
QTY+12:120'	120 copies despatched
LIN+2'	Line 2
PIA+5+012387654X:IB'	ISBN of item despatched
PIA+4+0123467022:IB'	ISBN of item ordered
MEA+PD+HT+MMT:215'	Height 215 mm
MEA+PD+WD+MMT:134'	Width 134 mm
MEA+PD+TH+MMT:32'	Thickness 32 mm
QTY+12:10'	10 copies despatched
CNT+2:2'	Control total: 2 line items
UNT+24+ME000567'	Trailer: 24 segments

T.7.6 DESPATCH ADVICE MESSAGE SUBSET FOR BOOK DESPATCH ADVICES

1	UNH MESSAGE HEADER			One mandatory occurrence per message
+	0062 Message reference no	M	an..14	Sender's unique message reference number. By convention, incorporates a sequence number of the message within the interchange.
	S009 MESSAGE IDENTIFIER	M		
+	0065 Message type identifier	M	an..6	DESADV = despatch advice
:	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	EAN005 = EAN version number
+	0068 Common access reference	N		Not used in EANCOM
+	S010 Status of the transfer	N		Not used in EANCOM

Example:

UNH+ME000678+DESADV:D:96A:UN:EAN005'

2 BGM BEGINNING OF MESSAGE

One mandatory occurrence per message

C002	DOCUMENT/MESSAGE NAME	M			
+ 1001	Document/message code	M	an..3	351 = despatch advice	
: 1131	Code list qualifier	N		Not used in EANCOM	
: 3055	Code list agency code	N		Not used in this application	
: 1000	Document/message name	O	an..35	May optionally be used to differentiate the two forms of the DESADV message described in section T.7.1, as follows:	
				NO PACKAGE DETAIL	
				WITH PACKAGE DETAIL	
+ 1004	Document/message number	M	an..35	Despatch advice number assigned by the document sender: mandatory in EANCOM	
+ 1225	Message function, coded	M	an..2	Mandatory in EANCOM: 9 = original, 7 = duplicate (ie retransmission)	
+ 4343	Response type, coded	N		Not used in EANCOM	

Example:

BGM+351+ADV01086+9'

Despatch advice message number ADV01086

3 DTM DATE/TIME/PERIOD

One mandatory occurrence per message, to give the message date. A second occurrence may, and normally should, be used to give a delivery or despatch date.

C507	DATE/TIME/PERIOD	M			
+ 2005	Date/time/period qualifier	M	an..3	11 = despatch date (CCYYMMDD)	
				63 = delivery date, latest (CCYYMMDD)	
				137 = message date (CCYYMMDD)	
: 2380	Date/time/period	M	an..35	Date in prescribed format	
: 2379	Date/time/period format code	M	an..3	102 = code for CCYYMMDD date format	

Example:

DTM+137:19990820:102'

SG01 RFF-DTM

Up to 10 repeats may be used for references applying to the delivery as a whole. In normal practice, the despatch advice number is given as the message number in BGM DE 1004, and any other references at message level should be agreed between trading partners.

4 RFF REFERENCE

One mandatory occurrence per repeat of SG01

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

BM = bill of lading number

Not used in EANCOM
Not used in EANCOM

Example:

RFF+BM:12332'

Bill of lading number 12332

5 DTM DATE/TIME/PERIOD

One optional occurrence per repeat of SG01, to give the date of the reference

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

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

Example:

DTM+171:19960920:102'

Reference date 20 September 1996

SG02	NAD-SG03-SG04			Each occurrence of SG02 identifies a party to the transaction and may give other linked information. In this application, only NAD segment 6 is used.
6	NAD NAME AND ADDRESS			Two mandatory occurrences per message, to show sender and recipient
+ 3035	Party qualifier	M	an..3	BY = buyer CA = carrier DP = delivery party: use for the customer's delivery location SU = supplier
	C082 PARTY IDENTIFICATION	D		The recommended practice is to use coded identification only, preferably a Global Location Number (GLN; formerly "EAN location code"), or failing that an alternative industry standard code
+ 3039	Party identification code	D	an..17	GLN - 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, for GLNs 22B = Börsenverein des Deutschen Buchhandels (for Verkehrsnummer) (EDItEUR code) 31B = US SBN Agency, for US book trade SANs (Standard Address Numbers) (EDItEUR code) 32B = UK SBN Agency, for UK book trade SANs (EDItEUR code) 91 = Assigned by supplier 92 = Assigned by buyer 182 = SCAC maintenance agency (for Standard Carrier Alpha Codes, maintained by the US National Motor Freight Traffic Association), only when DE 3035 = CA
+ C058	NAME AND ADDRESS	N		Not used in EANCOM
	C080 PARTY NAME	D		Name and address are sent as structured text only if no ID code is used (DE 3039)
+ 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	Not used in this application

/continued

6 NAD NAME AND ADDRESS *(continued)*

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+SU+5012345678921::9'
 NAD+BY+5098765432189::9'

Segments 7 to 11 (RFF-CTA-COM, TOD-LOC) (segment groups SG03 to SG05) are not used in this application

SG06 TDT-LOC

Segment group SG06: only TDT segment 12 is used in this application.

22 TDT DETAILS OF TRANSPORT

One optional occurrence per despatch advice message may be used to specify a transport method

+ 8051	Transport stage qualifier	M	an..3	20 = main carriage transport
+ 8028	Conveyance reference no	N		Not used in this application
C220	MODE OF TRANSPORT	D		Composite C220 may be used to specify a mode of transport, which must be consistent with the means of transport in composite C228, if the latter is also sent. <i>Following an EDItEUR change request, this composite is no longer "required" in EANCOM.</i>
+ 8067	Mode of transport, coded	M	an..3	10 = maritime transport 20 = rail transport 30 = road transport 40 = air transport (This list represents values used as of October 2006 in Amazon's implementation of the DESADV message. Additional values exist in EDIFACT.)
: 8066	Mode of transport	N		Not used in this application
C228	TRANSPORT MEANS	D		Composite C228 may be used to specify a method of delivery.
+ 8179	Type of means of transport ID	D	an..8	13 = ocean vessel 25 = rail express 31 = truck 41 = air freight (This list represents values used as of October 2006 in Amazon's implementation of the DESADV message. Additional values exist in EDIFACT.)
: 8178	Type of means of transport	D	an..17	
C040	CARRIER	N		Composite C040 is not used in this application
+ C401	EXCESS TRANSPORTATION	N		Composite C401 is not used in EANCOM
+ C222	TRANSPORT IDENTIFICATION	N		Composite C222 is not used in this application

Example:

TDT+40+++41'

Method of shipment is air freight

Segments 13 to 16 (LOC, EQD-MEA-SEL) (segment groups SG07 and SG08) are not used in this application

SG10 CPS-SG11-SG15

In a “NO PACKAGE DETAIL” application (see section T.7.1), there will be only one occurrence of segment group SG10 per message, with hierarchical ID number 1, describing the consignment as a whole.

In a “WITH PACKAGE DETAIL” application, there will be multiple occurrences of segment group SG10, with all occurrences after the first being linked to a hierarchical parent ID.

17 CPS CONSIGNMENT PACKING SEQUENCE

One mandatory occurrence per repeat of SG10.

+ 7164 Hierarchical ID number M an..12

In this application carries a sequence number 1, 2, 3 in successive occurrences of the CPS segment.

+ 7166 Hierarchical parent ID D an..12

Used only when DE 7164 > 1, to indicate that occurrences 2, 3, 4 etc are “children” of a previous occurrence, normally occurrence 1.

+ 7075 Packaging level, coded N

Not used in EANCOM

Example:

CPS+1'
CPS+4+1'

SG11 PAC-MEA-QTY-SG12-SG13

Segment group SG11 may be used in three ways:

In a “NO PACKAGE DETAIL” message, it may be used to specify the make-up of the consignment in terms of type(s) and number(s) of packages, with or without a list of their identifying marks.

In a “WITH PACKAGE DETAIL” message, it must be used at the consignment level (ie in the first occurrence of segment group SG10) to specify the make-up of the consignment in terms of type(s) and number(s) of packages, but without any additional detail.

In a “WITH PACKAGE DETAIL” message, it must be used in subsequent occurrences of segment group SG10 to specify each individual package that carries an identifying mark, and may give additional detail such as dimensions and weight.

18 PAC PACKAGE

One or more occurrences per occurrence of segment group SG10 are required if the message includes package detail.

+ 7224	Number of packages	M	n..8
+ C531	PACKAGING DETAILS	N	
	C202 PACKAGE TYPE	M	
+ 7065	Type of package ID code	M	an..17
:	1131 Code list qualifier	N	
:	3055 Code list responsible agency	D	
:	7064 Type of package	N	

Mandatory in this application.
 Composite C531 is not used in this application
 Mandatory in this application
 201 = ISO Euro pallet (EAN code)
 PK = package or parcel
 PLL = pallet (EDItEUR code) (code 201 is preferred wherever applicable)
 BRC = book trade standard returnable container (UK) (EDItEUR code)
 Not used in EANCOM
 9 = EAN, if an EAN code is used in DE 7065
 28 = EDItEUR, if an EDItEUR code is used in DE 7065
 Not used in this application

Example:

PAC+1++211'	1 pallet
PAC+20++PK'	20 packs

19 MEA MEASUREMENTS

Up to four occurrences may be used to give the unit gross weight and dimensions of a single package identified in the linked PAC segment

+ 6311	Measurement application qualifier	M	an..3	Mandatory: PD = physical dimensions
	C502 MEASUREMENT DETAILS	M		Mandatory in this application
+ 6313	Measurement dimension, coded	M	an..3	Mandatory in this application AAB = unit gross weight HT = height LN = length WD = width
: 6321	Measurement significance	N		Not used in this application
: 6155	Measurement attribute, coded	N		Not used in this application
: 6154	Measurement attribute	N		Not used in EANCOM
	C174 VALUE/RANGE		M	Mandatory in EANCOM
+ 6411	Measure unit qualifier	M	an..3	CMT = centimetres GRM = grams KGM = kilograms MMT = millimetres
: 6314	Measurement value	M	n..18	Mandatory in this application: enter as a whole number without leading zeros
: 6162	Range minimum	N		Not used in this application
: 6152	Range maximum	N		Not used in this application
: 6432	Significant digits	N		Not used in EANCOM
+ 7383	Surface/layer indicator	N		Not used in EANCOM

Example:

MEA+PD+AAB+KGM: 56'

Weight 56 kilos

Segment 20 (QTY) is not used in this application

SG12 HAN

Only HAN segment 21 is used in EANCOM.

21 HAN HANDLING INSTRUCTIONS

One occurrence may be used to specify an oversized package

C524	HANDLING INSTRUCTIONS	M	
+ 4079	Handling instructions, coded	M	an..3
:	1131 Code list qualifier	N	
:	3055 Code list responsible agency	D	an..3
:	4078 Handling instructions	D	an..70
+ C218	HAZARDOUS MATERIAL	N	

BIG = oversized (definition based on trading partner agreement)
 CRU = crushable, fragile
 EAT = foodstuffs
 HWC = handle with care
 (This list represents values used as of October 2006 in Amazon's implementation of the DESADV message. Additional values exist in EDIFACT.)
 Not used in EANCOM
 9 = EAN, if an EAN code is used in DE 4079
 Free text

Not used in this application

Example:

HAN+BIG'

Oversized

SG13 PCI-RFF-DTM-SG14 Segment group SG13: only PCI segment 22 and GIN segment 25 may be used in this application

22 PCI PACKAGE IDENTIFICATION One occurrence per package referred to in the linked PAC segment is required if package identifiers are listed in the message. Two approaches are supported: the identifier itself may be given in PCI DE 7102, or in a linked GIN segment 25. The latter is required in some applications.

<p>+ 4233 Marking instructions, coded M an..3</p> <p>C210 MARKS & LABELS D</p> <p>+ 7102 Shipping marks M an..35</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>: 7102 Shipping marks N</p> <p>+ 8275 Container/package status code N</p> <p>+ C827 TYPE OF MARKING N</p>	<p>Mandatory in EANCOM: 33E = marked with serial shipping container code (SSCC), also known in Germany as Nummer der Versandeinheit (NVE) (EAN code)</p> <p>The SSCC value may be given here or in a linked GIN segment 25; the latter is required in some applications, as GS1 recommended practice</p> <p>Serial shipping container code for the package</p> <p>Composite C210 carries 9 further repeats of DE 7102, not used in this application</p> <p>Not used in EANCOM</p> <p>Composite C827 is not used in EANCOM</p>
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Example:

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PCI+33E'
PCI+33E+354123450000000014'
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Package marked with SSCC / NVE – detailed in GIN segment 25
 Package marked with SSCC / NVE – detailed in PCI DE 7102

Segments 23 and 24 (RFF-DTM) are not used in this application

SG14	GIN			Only GIN segment 25 is used in EANCOM
25	GIN GOODS IDENTITY NUMBER			One occurrence of GIN segment 25 may be used to carry the SSCC that identifies the package specified in the linked PAC segment 18
+ 7405	Identity number qualifier	M	an..3	BJ = serial shipping container code (SSCC), also known in Germany as Nummer der Versandeinheit (NVE)
	C208 IDENTITY NUMBER RANGE	M		
+ 7402	Identity number	M	an..35	
: 7402	Identity number	N		Not used in this application
+ C208	IDENTITY NUMBER RANGE	N		Composite C208 is not used in this application
+ C208	IDENTITY NUMBER RANGE	N		Composite C208 is not used in this application
+ C208	IDENTITY NUMBER RANGE	N		Composite C208 is not used in this application
+ C208	IDENTITY NUMBER RANGE	N		Composite C208 is not used in this application

Example:

GIN+BJ+354123450000000014'

SG15 LIN-PIA-IMD-MEA-.....-SG20-SG23

Each occurrence of segment group SG15 represents one despatch advice line. There can be up to 9999 such lines in a single message.

26 LIN LINE ITEM

One mandatory occurrence per line. In this application the LIN segment is used only to carry the line sequence number, and an EAN-13 article number if used to identify the product being despatched.

+ 1082	Line item number	M	n..6	Line sequence number, starting at one in each message and incremented by one for each successive line. <i>Note that, where quantities of a line item are split between two or more packages, the line number in question may be repeated, so that it occurs once within each instance of segment group SG10 ("CPS loop") describing a package that contains a quantity of copies belonging to the line.</i>
+ 1229	Action request/notification	N		Not used in EANCOM
+ C212	ITEM NUMBER ID	D		Only EAN article numbers are accepted in composite C212 in the LIN segment
+ 7140	Item number	D		EAN-13 article number (or ISBN-13) identifying the product despatched
: 7143	Item number type, coded	D		EN = EAN: mandatory in EANCOM if an EAN-13 article number is used
: 1131	Code list qualifier	N		Not used in EANCOM
: 3055	Code list agency code	N		Not used in this application
+ C829	Sub-line information	N		Composite C829 is not used in this application
+ 1222	Configuration level	N		Not used in EANCOM
+ 7083	Configuration, coded	N		Not used in this application

Examples:

LIN+25'

Line 25, product identified in PIA segment 27

LIN+25+9781843532477:EN'

Line 25 with ISBN-13

27 PIA ADDITIONAL PRODUCT ID

One occurrence may be used to give (a) the main product identification when this is not an EAN-13 article number, or (b) additional product identification, or (c) the identification of the product ordered when a substitute is being supplied.

+ 4347	Product id function code	M	an..3
C212	ITEM NUMBER ID	M	
+ 7140	Item number	M	an..35
: 7143	Item number type, coded	M	an..3
:	1131 Code list qualifier	N	
:	3055 Code list agency code	N	
+	C212 ITEM NUMBER ID	D	
+	C212 ITEM NUMBER ID	D	
+	C212 ITEM NUMBER ID	D	
+	C212 ITEM NUMBER ID	D	

1 = additional identification of the product despatches
 4 = substituted for: use to identify the product originally ordered when the product despatched is a substitute
 5 = main identification of the product despatched, when not given by an EAN-13 article number in LIN segment 26

Product number (eg ISBN)
 IB = ISBN-10
 EN = EAN-13 article number, or ISBN-13
 IM = ISMN (International Standard Music Number)
 IN = buyer's article number
 MF = manufacturer's article number: use for a publisher's product code which is not a recognised standard number
 SA = supplier's article number (not ISBN or EAN number)
 Not used in EANCOM
 Not used in this application: redundant, since DE 7143 implicitly specifies the code agency
 Further repeats of Composite C212 may be used where DE 4347 = 1 if there is more than one additional identification number. Where DE 4347 = 4 or 5, only one product number should be given.

Example:

PIA+5+0856674427:IB'

ISBN as main product identification

28 IMD ITEM DESCRIPTION

Optional: one occurrence may be used to give a brief description of the item despatched. In book trade despatch advices, description should be sent only when the product despatched is a substitute for the product ordered.

+ 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>
+ 7081	Item characteristic code	M	an..3	<i>L = text, EDItEUR numeric codes in DE 7081 (EDItEUR code)</i>
				<i>001 = Short author/title description (DE 7077 = L)</i>
				<i>BST = Short author/title description (DE 7077 = F)</i>
	C273 ITEM DESCRIPTION	M		
+ 7009	Item description id	N		Coded description is not used in this application
: 1131	Code list qualifier	N		
: 3055	Code list agency code	N		
: 7008	Item description	M	an..35	Descriptive data as free text
: 7008	Item description	D	an..35	Continuation line if required
+ 7383	Surface/layer indicator	N		Not used in EANCOM
+ 7383	Surface layer indicator code	N		Not used in EANCOM

Example:

IMD+L+001+:::Rubin/Picasso and Portraiture/MOMA :New York'

29 MEA MEASUREMENTS

Up to four occurrences may be used to give the unit weight and dimensions of the product despatched

+ 6311	Measurement application qualifier	M	an..3	Mandatory: PD = physical dimensions
	C502 MEASUREMENT DETAILS	M		Mandatory in this application
+ 6313	Measurement dimension, coded	M	an..3	Mandatory in this application AAA = unit net weight in gm HT = height: use for spine height in mm WD = width: use for cover or case width in mm TH = thickness: use for spine thickness in mm
:	6321 Measurement significance	N		Not used in this application
:	6155 Measurement attribute, coded	N		Not used in this application
:	6154 Measurement attribute	N		Not used in EANCOM
	C174 VALUE/RANGE	M		Mandatory in EANCOM
+ 6411	Measure unit qualifier	M	an..3	GRM = grams MMT = millimetres
:	6314 Measurement value	M	n..18	Mandatory in this application: enter as a whole number without leading zeros
:	6162 Range minimum	N		Not used in this application
:	6152 Range maximum	N		Not used in this application
:	6432 Significant digits	N		Not used in EANCOM
+ 7383	Surface/layer indicator	N		Not used in EANCOM

Example:

MEA+PD+AAA+GRM:567'

Weight 567 grams

30 QTY QUANTITY

One mandatory occurrence per despatch advice line to specify the number of units despatched. Additional occurrences (up to a maximum of 10 per line) may optionally be used to give other quantities relevant to the delivery.

C186	QUANTITY DETAILS		M		
+ 6063	Quantity qualifier		M	an..3	12 = despatch quantity 21 = ordered quantity 70 = cumulative quantity delivered to date, up to but not including this delivery 83 = backordered quantity: the quantity from the original order which will remain outstanding after this delivery 182 = cancelled quantity: if the outstanding quantity cannot be supplied
: 6060	Quantity		M	n..15	Number of units
: 6411	Measure unit qualifier		N		Not used in this application

Example:

QTY+12:20' 20 copies to be despatched

Segments 31 to 33 (DLM, DTM, FTX) are not used in this application

SG16 RFF-DTM

Segment group SG16: only RFF segment 34 is used in this application

34 RFF REFERENCE

One optional occurrence to give the buyer's order line reference.

C506	REFERENCE		M		
+ 1153	Reference qualifier		M	an..3	LI = buyer's order line reference (from RFF segment 51, DE 1154, in the buyer's ORDERS message) ON = buyer's order message number (from BGM segment 2, DE 1004, in the relevant ORDERS message)
:	1154	Reference number	M	an..35	
:	1156	Line number	D	an..6	Line sequence number from buyer's order message if DE 1153 = ON
:	4000	Reference version number	N		Not used in EANCOM

Example:

RFF+LI:96056789'

Buyer's order line reference 96056789

Segments 35 to 47 (DTM, LOC-DTM-QTY, PCI-DTM-MEA-QTY-GIN-DLM-HAN, QVR-DTM) (SG17 to SG23) are not used in this application

48 CNT CONTROL TOTAL

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

C270 CONTROL	M	
+ 6069 Control qualifier	M	an..3
: 6066 Control value	M	n..18
: 6411 Measure unit qualifier	N	

1 = total value of QTY segments in the message (sum of DE 6060's from all occurrences of QTY segment 30)
 2 = number of line items (LIN segments) in the message
 Control total sent as an integer without leading zeros and without decimal point
 Not used in this application

Example:

CNT+2:4'

49 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+48+ME000678'

48 segments in message reference number ME000678