T.7 USING THE DESPATCH ADVICE TO NOTIFY DELIVERIES

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 should list only those items from referenced orders which are being delivered in full or in part in the delivery in question.

A delivery is taken to be a number of items which 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.
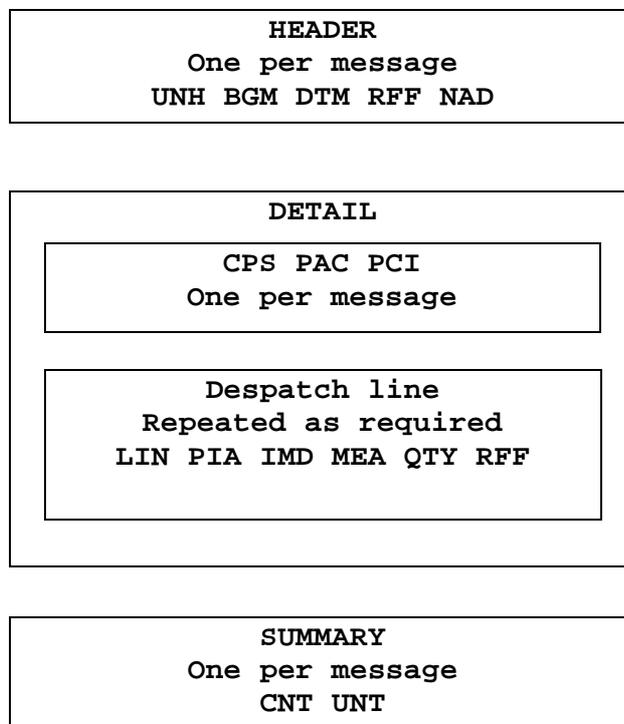
A DESADV message should in principle accurately reflect the content of the delivery to which it refers. In practice, discrepancies will sometimes arise when the despatch advice is generated before the order is picked - which is still a general book trade practice. Such discrepancies should be reconciled 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.

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 STRUCTURE

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

```
┌─────────────────────────────────┐
│            HEADER               │
│       One per message           │
│     UNH BGM DTM RFF NAD         │
└─────────────────────────────────┘


┌─────────────────────────────────┐
│            DETAIL               │
│  ┌───────────────────────────┐  │
│  │        CPS PAC PCI        │  │
│  │     One per message       │  │
│  └───────────────────────────┘  │
│                                 │
│  ┌───────────────────────────┐  │
│  │      Despatch line        │  │
│  │   Repeated as required    │  │
│  │  LIN PIA IMD MEA QTY RFF  │  │
│  │                           │  │
│  └───────────────────────────┘  │
│                                 │
└─────────────────────────────────┘


┌─────────────────────────────────┐
│           SUMMARY               │
│       One per message           │
│            CNT UNT              │
└─────────────────────────────────┘
```

The **header** section specifies the message type, gives the message a unique identification and date and any refernces 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 EXAMPLE OF A BOOK DESPATCH ADVICE MESSAGE

The very simple example below shows a message carrying two despatch advice lines. 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+587441+9'                             Despatch advice number
DTM+137:19970901:102'                         Message date
DTM+11:19970902:102'                          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.7.5 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	Not recommended, since the message type is identified by the code in DE 1001
+	**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+137:19960820:102'
```

SG01   **RFF-DTM**   **Segment group SG01: only RFF segment 4 is used in this application**

4		RFF REFERENCE			**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 betwen trading partners.**

	C506	**REFERENCE**	M		
+	1153	Reference qualifier	M	an..3	Code values for this application to be determined: see EDItEUR Code List 1153
:	1154	Reference number	M	an..35	
:	1156	Line number	N		Not used in EANCOM
:	4000	Reference version number	N		Not used in EANCOM

Example:
```
RFF+ON:96056789'
```
                                                                    Order number 96056789

Segment 5 (DTM) is not used in this application

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
				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 an EAN location code, or failing that an alternative industry standard 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
				22B = Börsenverein des Deutschen Buchhandels (for Verkehrsnummer) (EDItEUR code)
				31B = US SBN Agency (for US-assigned book trade SANs) (EDItEUR code)
				32B = UK SBN Agency (for UK-assigned book trade SANs) (EDItEUR code)
				91 = Assigned by supplier
				92 = Assigned by buyer
+ **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
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

/continued

6   NAD NAME AND ADDRESS *(continued)*

+ **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 16 (RFF-CTA-COM, TOD-LOC, TDT-LOC, EQD-MEA-SEL) (segment groups SG03 to SG08) are not used in this application

SG10   CPS-SG11-SG15   **In this application, there will be only one occurrence of segment group SG10 per message, describing the consignment as a whole.**

17   CPS CONSIGNMENT PACKING SEQUENCE   **One mandatory occurrence per repeat of SG10 (ie, in this application, one occurrence per message). The CPS segment has no real significance in the context of book trade despatch advices, but it is a required part of the overall message structure.**

+ **7164**	**Hierarchical ID number**	M	an..12	Always 1 in this application
+ **7166**	**Hierarchical parent ID**	N		Not used in this application
+ **7075**	**Packaging level, coded**	N		Not used in EANCOM

Example:
```
CPS+1'
```

SG11   PAC-MEA-QTY-SG12-SG13   **Segment group SG11: only PAC segment 18 is used in this application.**

18   PAC PACKAGE   **In this application, one occurrence per message may optionally be used to indicate the**
                                                            number and type of packages in the despatch.

+	**7224**	**Number of packages**	M n..8	Mandatory in this application.
+	**C531**	**PACKAGING DETAILS**	N	Composite C531 is not used in this appplication
	C202	**PACKAGE TYPE**	M	Mandatory in this application
+	7065	Type of package ID code	M an..17	PK = package or parcel
				PLL = pallet (EDItEUR code)
				BRC = book trade standard returnable container (UK) (EDItEUR code)
:	1131	Code list qualifier	N	Not used in EANCOM
:	3055	Code list responsible agency	D	28 = EDItEUR, if an EDItEUR code is used in DE 7065
:	7064	Type of package	N	Not used in this application

Example:
```
PAC+4++PK'
```
                                                            4 packs

Segments 19 to 21 (MEA-QTY-HAN) (segment group SG12) are not used in this application

SG13	PCI-RFF-DTM-SG14			**Segment group SG13: only PCI segment 22 is used in this application**

22 PCI PACKAGE IDENTIFICATION

One optional occurrence per package referred to in the linked PAC segment, to give the code number identifying the individual package, and marked on the package. Maximum 1000 occurrences per linked PAC segment. This segment identifies the packages in a consignment *without* specifying the line items which they contain.

+	**4233**	**Marking instructions, coded**	M	an..3	Mandatory in EANCOM: 33E= marked with serial shipping container code (EAN code)
	C210	**MARKS & LABELS**	M		Composite C210 is mandatory in this application
+	7102	Shipping marks	M	an..35	Serial shipping container code for the package
:	7102	Shipping marks	N		Composite C210 carries 9 repeats of DE 7102, which are not used in this application
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
:	7102	Shipping marks	N		
+	**8275**	**Container/package status code**	N		Not used in EANCOM
+	**C827**	**TYPE OF MARKING**	N		Composite C827 is not used in EANCOM

Example:
```
PCI+33E+354123450000000014'
```

Segments 23 to 25 (RFF-DTM-GIN) (segment group SG14) are not used in this application

| 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
+	**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 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+5412345087653:EN'             Line 25 with EAN-13 article number
```

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	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
C212	**ITEM NUMBER ID**	M		
+ 7140	Item number	M	an..35	Product number (eg ISBN)
: 7143	Item number type, coded	M	an..3	IB = ISBN EN = EAN-13 article number 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)
: 1131	Code list qualifier	N		Not used in EANCOM
: 3055	Code list agency code	N		Not used in this application: redundant, since DE 7143 implicitly specifies the code agency
+ **C212**	**ITEM NUMBER ID**	D		Further repeats of Composite C212 may be used where DE 4347 = 1 if there is
+ **C212**	**ITEM NUMBER ID**	D		more than one additional identification number. Where DE 4347 = 4 or 5, only one
+ **C212**	**ITEM NUMBER ID**	D		product number should be given.
+ **C212**	**ITEM NUMBER ID**	D		

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	Mandatory in this application: F = free-form
+ **7081**	**Item characteristic code**	M	an..3	BST = short author/title description
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 code**	N		Not used in EANCOM

Example:
```
IMD+F+BST+:::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

/continued

29   **MEA MEASUREMENTS** *(continued)*

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	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
:	6066 Control value	M	n..18	Control total sent as an integer without leading zeros and without decimal point
:	6411 Measure unit qualifier	N		Not used in this application

Example:
```
CNT+2:4'
```

49	UNT MESSAGE TRAILER			**One mandatory occurrence per message**

+	**0074**	**No of segments in message**	M	n..6	Count includes the UNH and UNT segments
+	**0062**	**Message reference number**	M	an..14	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