Message Implementation Documentation

Hella EDIFACT DELRSP

based on

DELFOR
Delivery schedule message

UN D.97A S3

- **Structure Chart**
- **Branching Diagram**
- **Segment Details**

Version: 97
Variant: A
Issue date: 20.05.2011

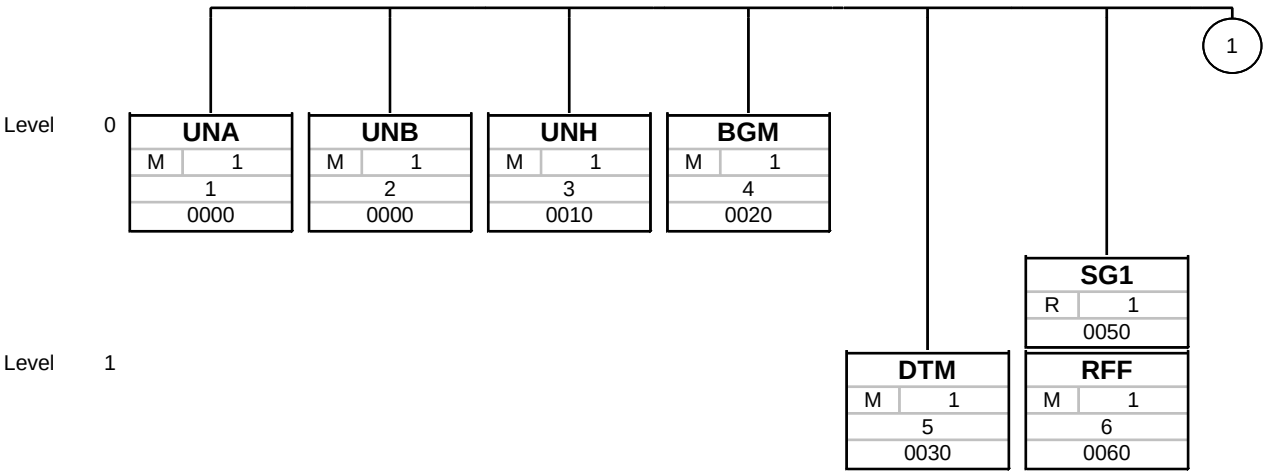
Structure / Table of Contents

Counter	No	Tag	St	MaxOcc	Level	Content
0000	1	**UNA**	M	1	0	SERVICE STRING ADVICE
0000	2	**UNB**	M	1	0	INTERCHANGE HEADER
0010	3	**UNH**	M	1	0	MESSAGE HEADER
0020	4	**BGM**	M	1	0	BEGINNING OF MESSAGE
0030	5	**DTM**	M	1	1	DATE/TIME/PERIOD
0050		**SG1**	R	1	1	RFF
0060	6	**RFF**	M	1	1	REFERENCE
0080		**SG2**	C	1	1	NAD
0090	7	**NAD**	M	1	1	Name and address (Buyer)
0080		**SG2**	R	1	1	NAD
0090	8	**NAD**	M	1	1	Name and address (Supplier)
0190		**SG6**	R	1	1	GIS-SG7-SG12
0200	9	**GIS**	M	1	1	GENERAL INDICATOR
0210		**SG7**	R	1	2	NAD
0220	10	**NAD**	M	1	2	Name and address (Delivery Point)
0370		**SG12**	R	1	2	LIN-PIA-SG17
0380	11	**LIN**	M	1	2	LINE ITEM
0390	12	**PIA**	C	1	3	ADDITIONAL PRODUCT ID
0600		**SG17**	R	1	3	SCC-SG18
0610	13	**SCC**	M	1	3	SCHEDULING CONDITIONS
0620		**SG18**	R	999	4	QTY-DTM
0630	14	**QTY**	M	1	4	QUANTITY
0640	15	**DTM**	R	1	5	DATE/TIME/PERIOD
1030	16	**UNT**	M	1	0	MESSAGE TRAILER
0000	17	**UNZ**	M	1	0	INTERCHANGE TRAILER

Counter = Counter of segment/group within the standard
No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Branching Diagram of Used Segments/Groups



Tag
St MaxOcc
No
Counter

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group
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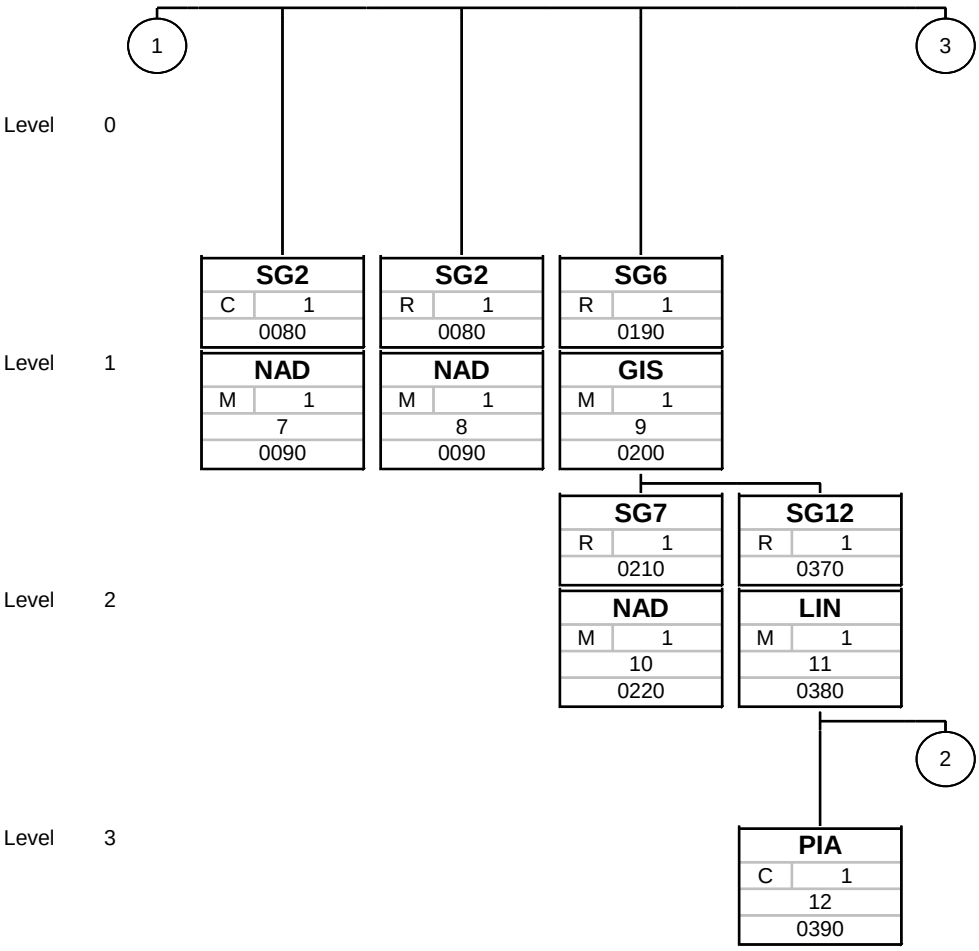
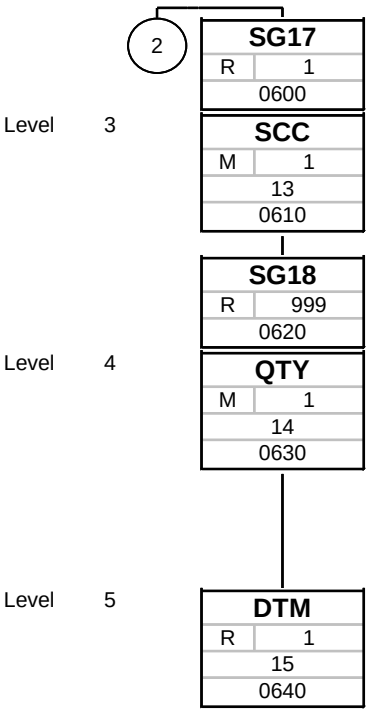
Branching Diagram of Used Segments/Groups



Tag
St MaxOcc
No
Counter

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group
No = Consecutive segment number
Counter = Counter of segment/group within the standard

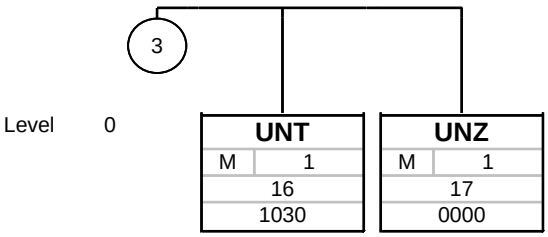
Branching Diagram of Used Segments/Groups



Tag
St MaxOcc
No
Counter

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group
No = Consecutive segment number
Counter = Counter of segment/group within the standard

Branching Diagram of Used Segments/Groups



Tag
St MaxOcc
No
Counter

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group
No = Consecutive segment number
Counter = Counter of segment/group within the standard

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	**UNA**	M	1	0	**SERVICE STRING ADVICE**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNA				
UNA1	Component data element separator	M an1	M an1	default (A): colon
UNA2	Data element separator	M an1	M an1	default (A): plus sign
UNA3	Decimal notation	M an1	M an1	default (A): Comma or full stop
UNA4	Release indicator	M an1	M an1	default (A): question mark; if not used, insert space character
UNA5	Reserved for future use	M an1	M an1	insert space character
UNA6	Segment terminator	M an1	M an1	default (A): Apostrophe

Remark:
The delimiters for the entire transmission file will be defined.

Example:
```
UNA:+.? '
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	**UNB**	M	1	0	**INTERCHANGE HEADER**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNB				
S001	SYNTAX IDENTIFIER	M	M	
0001	Syntax identifier	M a4	M a4	**UNOC UN/ECE level C** Specification of syntax ID and of character set used. Character set C (digits 0 to 9, all letters including language specific letters)
0002	Syntax version number	M n1	M n1	**3 Version 3** Specification of syntax version used.
S002	INTERCHANGE SENDER	M	M	
0004	Sender identification	M an..35	M an..35	
0007	Partner identification code qualifier	C an..4	C an..4	
0008	Address for reverse routing	C an..14	C an..14	
S003	INTERCHANGE RECIPIENT	M	M	
0010	Recipient identification	M an..35	M an..35	
0007	Partner identification code qualifier	C an..4	C an..4	
0014	Routing address	C an..14	C an..14	
S004	DATE/TIME OF PREPARATION	M	M	
0017	Date of preparation	M n6	M n6	
0019	Time of preparation	M n4	M n4	
0020	Interchange control reference	M an..14	M an..14	Unique reference assigned by the sender to an interchange.
S005	RECIPIENT'S REFERENCE PASSWORD	C	C	
0022	Recipient's reference/password	M an..14	M an..14	
0025	Recipient's reference/password qualifier	C an2	C an2	
0026	Application reference	C an..14	C an..14	Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type.
0029	Processing priority code	C a1	C a1	Code determined by the sender requesting processing priority for the interchange.
0031	Acknowledgement request	C n1	C n1	Code determined by the sender for acknowledgement of the interchange.
0032	Communications agreement ID	C an..35	C an..35	Identification by name or code of the type of agreement under which the interchange takes place.
0035	Test indicator	C n1	C n1	**1 Interchange is a test** Indication that the interchange is a test.

Remark:

Example:

```
UNB+UNOC:3+SUPPLIER+O0013000023HELLA-KG-EDIP+101117:0451+0471104712+1'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	**UNH**	M	1	0	**MESSAGE HEADER**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNH				
0062	Message reference number	M an..14	M an..14	Specifying unequivocally the sender's message reference. Consecutive number of the message within the data interchange. Unique message reference assigned by the sender.
S009	MESSAGE IDENTIFIER	M	M	
0065	Message type identifier	M an..6	M an..6	**DELFOR Delivery schedule message** Specifying the message type ID.
0052	Message type version number	M an..3	M an..3	**D Draft version/UN/EDIFACT Directory** Specifying the version of the message type.
0054	Message type release number	M an..3	M an..3	**97A Release 1997 - A** Specifying the version of the message directory.
0051	Controlling agency	M an..2	M an..2	**UN UN/ECE/TRADE/WP.4** Identification of the organisation that administrates this message type.
0057	Association assigned code	C an..6	C an..6	

Remark:

Example:
```
UNH+699+DELFOR:D:97A:UN:EDDF04'
```

No = Consecutive segment number
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	**BGM**	M	1	0	**BEGINNING OF MESSAGE**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
BGM				
C002	DOCUMENT/MESSAGE NAME	C	C	
1001	Document/message name, coded	C an..3	R an..3	**P Response to forecast**
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	C an..3	**8 EDIFICE**
1000	Document/message name	C an..35	N	Not used
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	R	
1004	Document/message number	C an..35	R n..10	

Remark:

Example:
```
BGM+P::8+0230027386'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0030	5	**DTM**	M	1	1	**DATE/TIME/PERIOD**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	DATE/TIME/PERIOD	M	M	
2005	Date/time/period qualifier	M an..3	M an..3	**137 Document/message date/time**
2380	Date/time/period	C an..35	R n..12	
2379	Date/time/period format qualifier	C an..3	R an..3	**203 CCYYMMDDHHMM**

Remark:

Example:
```
DTM+137:201011162230:203'
```

No = Consecutive segment number
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0050		**SG1**	R	1	1	**RFF**
0060	6	**RFF**	M	1	1	**REFERENCE**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	REFERENCE	M	M	
1153	Reference qualifier	M an..3	M an..3	**BO Blanket order number**
1154	Reference number	C an..35	R an..12	Blanket order number
1156	Line number	C an..6	C an..6	Order position

Remark:

Example:
```
RFF+BO:5500000000:10'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0080		**SG2**	C	1	1	**NAD**
0090	7	**NAD**	M	1	1	**Name and address (Buyer)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party qualifier	M an..3	M an..3	**BY Buyer** Code giving specific meaning to a party.
C082	PARTY IDENTIFICATION DETAILS	C	R	
3039	Party id. identification	M an..35	M an..20	Client number
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	R an..3	**91 Assigned by seller or seller's agent**
C058	NAME AND ADDRESS	C	C	
3124	Name and address line	M an..35	M an..35	
3124	Name and address line	C an..35	C an..35	
C080	PARTY NAME	C	C	
3036	Party name	M an..35	M an..35	Customer's company name
3036	Party name	C an..35	C an..35	Customer's company name2
3036	Party name	C an..35	C an..35	Customer's company name3
3036	Party name	C an..35	C an..35	Customer's company name4
C059	STREET	C	C	
3042	Street and number/p.o. box	M an..35	M an..35	Customer address
3164	City name	C an..35	C an..35	Name of a city (a town, a village) for addressing purposes.
3229	Country sub-entity identification	C an..9	N	Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies. Note: Use code defined by appropriate national authority. Not used
3251	Postcode identification	C an..9	C an..9	Code defining postal zones or addresses. Note: Use code defined by appropriate national authority.
3207	Country, coded	C an..3	C an..3	Identification of the name of a country or other geographical entity as specified in ISO 3166. Note: Use ISO 3166 two alpha country code.

Remark:

No = Consecutive segment number
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Segments

Example:
```
NAD+BY+2535::91++HELLA KGAA HUECK & CO.+RIXBECKERSTR. 75+LIPPSTADT++59552+DE'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0080		**SG2**	R	1	1	**NAD**
0090	8	**NAD**	M	1	1	**Name and address (Supplier)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party qualifier	M an..3	M an..3	**SE Seller** Code giving specific meaning to a party.
C082	PARTY IDENTIFICATION DETAILS	C	R	
3039	Party id. identification	M an..35	M an..20	Supplier number
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	R an..3	**92 Assigned by buyer or buyer's agent**
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35	N	Not used
C080	PARTY NAME	C	C	
3036	Party name	M an..35	M an..35	Supplier's company name
3036	Party name	C an..35	C an..35	name2 of the supplier
3036	Party name	C an..35	C an..35	name3 of the supplier
3036	Party name	C an..35	C an..35	name4 of the supplier
C059	STREET	C	C	
3042	Street and number/p.o. box	M an..35	M an..35	supplier address
3164	City name	C an..35	C an..35	Name of a city (a town, a village) for addressing purposes.
3229	Country sub-entity identification	C an..9	C an..9	Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies. Note: Use code defined by appropriate national authority.
3251	Postcode identification	C an..9	C an..9	Code defining postal zones or addresses. Note: Use code defined by appropriate national authority.
3207	Country, coded	C an..3	C an..3	**DE GERMANY** Identification of the name of a country or other geographical entity as specified in ISO 3166. Note: Use ISO 3166 two alpha country code.

Remark:

Example:
```
NAD+SE+12345678::92++SUPPLIER GMBH+MUSTER-STR. 1+MUSTERSTADT++PLZ+DE'
```

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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0190		**SG6**	R	1	1	**GIS-SG7-SG12**
0200	9	**GIS**	M	1	1	**GENERAL INDICATOR**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
GIS				
C529	PROCESSING INDICATOR	M	M	
7365	Processing indicator, coded	M an..3	M an..3	**37 Complete information**

Remark:

Example:
```
GIS+37'
```

No = Consecutive segment number
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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0210		**SG7**	R	1	2	**NAD**
0220	10	**NAD**	M	1	2	**Name and address (Delivery Point)**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party qualifier	M an..3	M an..3	**DP Delivery party** Code giving specific meaning to a party.
C082	PARTY IDENTIFICATION DETAILS	C	R	
3039	Party id. identification	M an..35	M an..20	Number of customer's plant
1131	Code list qualifier	C an..3	N	Not used
3055	Code list responsible agency, coded	C an..3	R an..3	**92 Assigned by buyer or buyer's agent**
C058	NAME AND ADDRESS	C	N	
3124	Name and address line	M an..35	N	Not used
C080	PARTY NAME	C	C	
3036	Party name	M an..35	M an..35	Name/address1 delivery point
3036	Party name	C an..35	C an..35	Name/address2 delivery point
3036	Party name	C an..35	C an..35	Name/address3 delivery point
3036	Party name	C an..35	C an..35	Name/address4 delivery point
C059	STREET	C	C	
3042	Street and number/p.o. box	M an..35	M an..35	Delivery point's address
3164	City name	C an..35	C an..35	Name of a city (a town, a village) for addressing purposes.
3229	Country sub-entity identification	C an..9	C an..9	Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies. Note: Use code defined by appropriate national authority.
3251	Postcode identification	C an..9	C an..9	Code defining postal zones or addresses. Note: Use code defined by appropriate national authority.
3207	Country, coded	C an..3	C an..3	**DE GERMANY** Identification of the name of a country or other geographical entity as specified in ISO 3166. Note: Use ISO 3166 two alpha country code.

Remark:

Example:
```
NAD+DP+5000::92++HELLA KGAA HUECK & CO WERK5 FABG:2+BERGHAEUSERSTR. 30+RECKLINGHAUSEN++45663+DE'
```

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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0370		**SG12**	R	1	2	**LIN-PIA-SG17**
0380	11	**LIN**	M	1	2	**LINE ITEM**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
LIN				
1082	Line item number	C an..6	C an..6	Serial number designating each separate item within a series of articles.
1229	Action request/notification, coded	C an..3	N	Code specifying the action to be taken or already taken. Not used
C212	ITEM NUMBER IDENTIFICATION	C	R	
7140	Item number	C an..35	R an..35	Item number
7143	Item number type, coded	C an..3	R an..3	**BP Buyer's part number**

Remark:

Example:
```
LIN+10++471.108-15:BP'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0370		**SG12**	R	1	2	**LIN-PIA-SG17**
0390	12	**PIA**	C	1	3	**ADDITIONAL PRODUCT ID**

		Standard		Implementation	
Tag	Name	St	Format	St Format	Usage / Remark
PIA					
4347	Product id. function qualifier	M	an..3	M an..3	**1 Additional identification** Indication of the function of the product code.
C212	ITEM NUMBER IDENTIFICATION	M		M	
7140	Item number	C	an..35	R an..35	Item identification
7143	Item number type, coded	C	an..3	R an..3	**VP Vendor's (seller's) part number**

Remark:

Example:
```
PIA+1+ITEMNUMBER:VP'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0600		**SG17**	R	1	3	**SCC-SG18**
0610	13	**SCC**	M	1	3	**SCHEDULING CONDITIONS**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SCC				
4017	Delivery plan status indicator, coded	M an..3	M an..3	**4 Planning/forecast** Code indicating the level of commitment of schedule information.

Remark:

Example:
SCC+4'

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0620		**SG18**	R	999	4	**QTY-DTM**
0630	14	**QTY**	M	1	4	**QUANTITY**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
QTY				
C186	QUANTITY DETAILS	M	M	
6063	Quantity qualifier	M an..3	M an..3	**131 Delivery quantity**
6060	Quantity	M n..15	M n..10	Planned delivery quantity
6411	Measure unit qualifier	C an..3	C an..3	Quantity unit

Remark:

Example:
```
QTY+131:16000:PCE'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0620		**SG18**	R	999	4	**QTY-DTM**
0640	15	**DTM**	R	1	5	**DATE/TIME/PERIOD**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	DATE/TIME/PERIOD	M	M	
2005	Date/time/period qualifier	M an..3	M an..3	**232 Arrival date/time, scheduled**
2380	Date/time/period	C an..35	R an..8	Date of delivery
2379	Date/time/period format qualifier	C an..3	R an..3	**102 CCYYMMDD**

Remark:

Example:
```
DTM+232:20101229:102'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
1030	16	**UNT**	M	1	0	**MESSAGE TRAILER**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNT				
0074	Number of segments in a message	M n..6	M n..6	Specifies the total number of segments of a message. Control count of number of segments in a message.
0062	Message reference number	M an..14	M an..14	Repetition of the reference number from segment UNH_0062. Unique message reference assigned by the sender.

Remark:

Example:
```
UNT+14+699'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	17	**UNZ**	M	1	0	**INTERCHANGE TRAILER**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNZ				
0036	Interchange control count	M n..6	M n..6	Specifies the number of messages in the transmission file. Count either of the number of messages or, if used, of the number of functional groups in an interchange.
0020	Interchange control reference	M an..14	M an..14	Repetition of the data interchange reference from segment UNB_0020. Unique reference assigned by the sender to an interchange.

Remark:

Example:
```
UNZ+1+0471104712'
```

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status
EDIFACT: M=Mandatory, C=Conditional
User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used