

Shape Corp

Supplier EDI Specification



Delivery Schedule

DELFOR

EDIFACT DELFOR D.96A

Shape Version 1.0

DOCUMENT CHANGE LOG

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1. INTRODUCTION

This document provides the specific description of a subset of the EDIFACT DELFOR D96.A message to be used between a Trading Partner and Shape.

2. MESSAGE DEFINITION

This document provides the definition of an Advanced Shipping Notification (ASN) or Delivery Schedule Message, based on the EDIFACT DELFOR D96.A, to be used in Electronic Data Interchange (EDI) between a Trading Partner and Shape.

This documentation is fully comprehensive and allows the implementation of the EDIFACT DELFOR without the necessity for any additional standard related documentation.

2.1. FUNCTIONAL DEFINITION

The Delivery Schedule message is a message from Shape to the relevant Shape supplier. It gives information regarding expected delivery dates and quantities.

2.2. PRINCIPLES

The Delivery Schedule message intends to:

- advise the supplier of the date and quantities of parts ordered by Shape.
- allow the supplier to plan upstream material based on forecast information.

2.3. REFERENCES

The content of this message is based on:

- the message structure as defined by EDIFACT for the UNSM Delivery Schedule Message DELFOR as published in the UN/EDIFACT D96.A Directory.
- the agreement between the Trading Partners on the data elements to be used, their unique definition, their representation and their values (coded or clear form) as identified in this document.

2.4. FIELD OF APPLICATION

The following definition of a Delivery Schedule Message in EDIFACT format is applicable for the interchange of releases issued by Shape for material deliveries to one or more Shape operations.

3. MESSAGE DESCRIPTION

Following pages contain a full description of the EDIFACT DELFOR D96. A message as implemented by Shape. All segments are included regardless whether used or not used in the interchange with Shape. The official EDIFACT segment description is complemented with remarks pertaining to the specific requirements for an interchange with Shape. Those remarks contain specific code values used, additional information on the values shown in a specific field, etc.

3.1. INTRODUCTION

3.1.1. How to read the documentation

All segments in the subset used by Shape are described in the following pages. The segment description is to be read as follows:

① 0020 BGM - BEGINNING OF MESSAGE

- ② Segment group: none. Level: 1.
- ③ EDIFACT status: mandatory. Shape status: mandatory.
- ④ Maximum use: 1 per message. Shape occurrences: 1 per message.
- ⑤ Function: Segment for the unique identification of the delivery schedule document, by means of its name and its number.
- ⑥ Shape interchange: see remarks.
- ⑦ Example: **BGM+241+201906171219-1+5'**
A B C

“+” separates segment sections; “:” separates elements within a segment section

⑧	EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
	REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
⑨	A	C002	DOCUMENT/MESSAGE NAME	C			C		"241" = Delivery Schedule.
		1001	Document/message name, coded	C	an..3	:	M	an.3	
		1131	Code list qualifier	C	an..3	:			
		3055	Code list responsible agency, coded	C	an..3	:			
		1000	Document/message name	C	an..35	+			
B		C106	DOCUMENT/MESSAGE IDENTIFICATION	C			M		A unique release number generated at the time of DELFOR generation. The formatting will consist of the date and time the message was created and an index number (if there are multiples generated).
		1004	Document/message number	C	an..35	:	M	an..10	
		1056	Version	C	an..9	:			
		1060	Revision number	C	an.6	+			
C		1225	MESSAGE FUNCTION, CODED	C	an..3	+	M	an..3	Function of the message. For code values see below. Note: "5" is currently the only code which Shape will transmit.
		4343	RESPONSE TYPE, CODED	C	an..3	'			

⑩ COMMENTS

⑩ CODE VALUES

LEGEND

- ❶ segment position in the message structure, segment tag and segment name.
- ❷ identification (when applicable) of the segment group in which the segment is situated and indication at which level the segment is in the message.
- ❸ status of the segment: as defined by EDIFACT and by Shape.
- ❹ number of occurrences of the segment: as defined by EDIFACT and as used by Shape.
- ❺ description of the function of the segment as defined by EDIFACT and as used by Shape.
- ❻ example of the segment as it may appear in an interchange. This example is only illustrative and does not necessarily represent an actual situation. It should **NOT** be used as a basis to implement this message.
- ❼ definition of the segment content as defined by EDIFACT and as implemented by Shape.
- ❽ identification of the data elements in the segment
 - reference to the example.
 - data element tag - data elements with a 'C' denote a composite data element.
 - data element name - *italic CAPITALS* denote a composite data element.
 - **ST** - the status of the data element.
 - **FT** - the format of the data element, i.e. the indication of the number of characters (numerical or alphabetical) for this data element.
 - **SP** - the separator used between the data elements.
 - remarks on the specific use of the data element in the interchange with Shape.
- ❾ Shaded areas in the Shape description mean that Shape does not use the data elements.
- ❿ the segment description can be followed by:
 - comments providing more information regarding specific data elements and how they must be used and/or understood in messages from Shape.
 - code values to be used for data elements contained in the message.

3.1.2. General remarks

Following remarks are applicable for the complete documentation:

Dates

Unless otherwise specified in the field explanation in the documentation, dates are always expressed as **CCYYMMDD** (qualifier 2379 = 102).

Times

Unless otherwise specified in the field explanation in the documentation, times are always expressed as **HHMM**.

Shape Status

Mandatory: All data elements Marked "Mandatory" will be sent in the DELFOR

Conditional: All data elements Marked "Conditional" will be sent in the DELFOR based on some conditions.

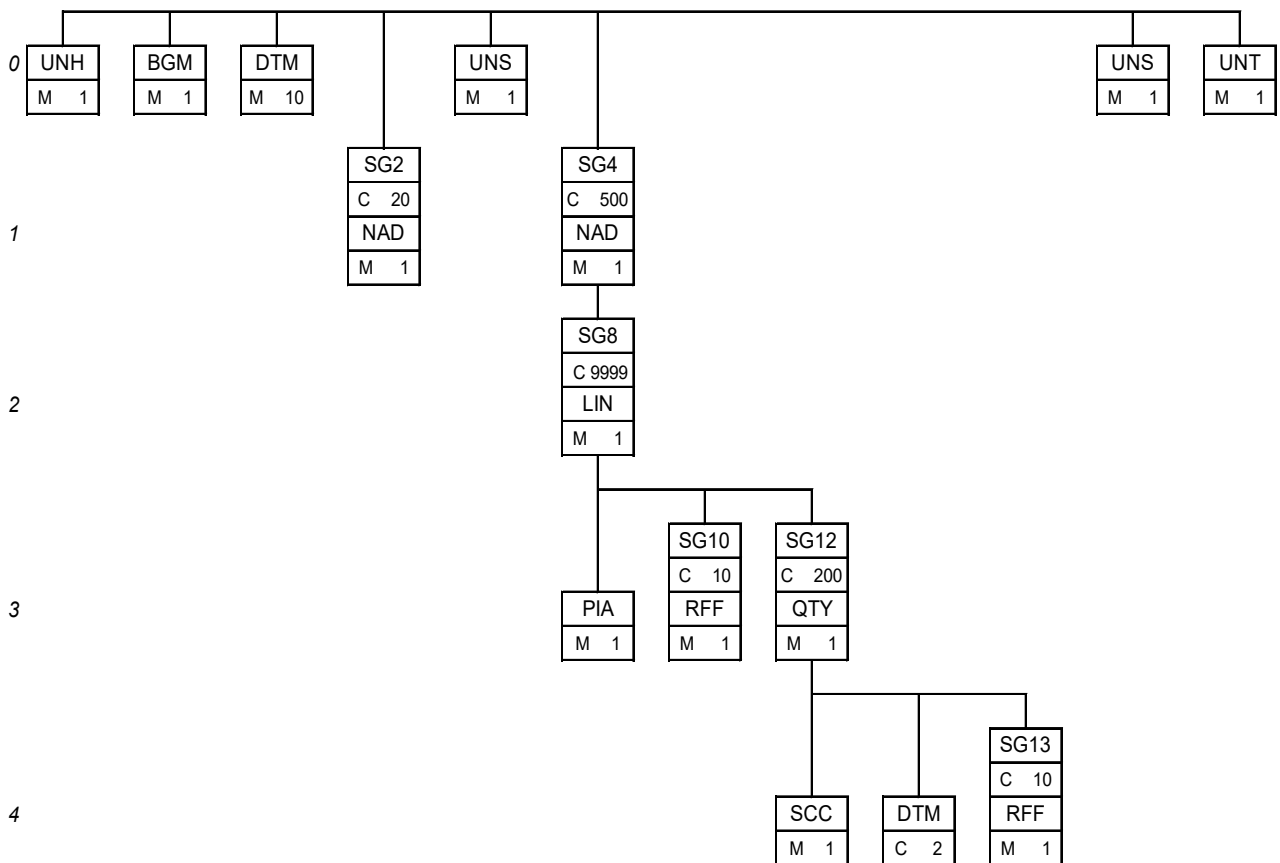
Optional: All data elements marked "Optional" may/may not be sent in the DELFOR

3.2. BRANCHING DIAGRAM

The branching diagram shows the structure of the message. It is a combination of various segments that are organized in a certain hierarchical order.

A segment is a pre-defined set of functionally related values (e.g., segment NAD groups all values that relate to a Party: name - address - etc.)

Each segment within the branching diagram is broken down into one or multiple data elements. Within a segment, only those data elements that contain data must appear.



3.3. SERVICE SEGMENTS DESCRIPTION

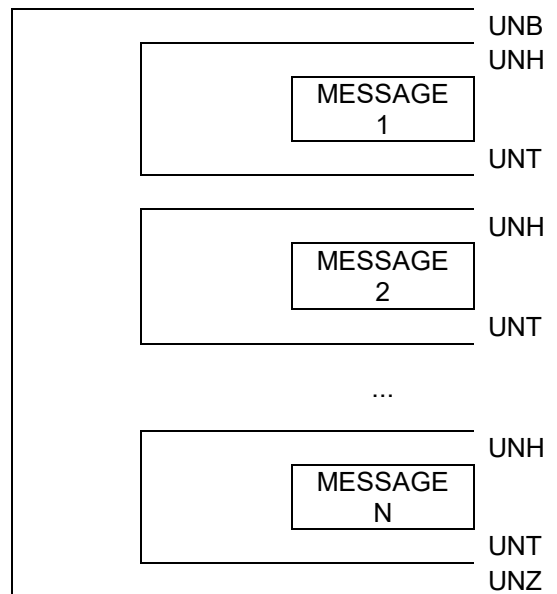
Following service segments are as defined by UN/EDIFACT and presented under ISO 9735.

The UNB, UNH, UNT and UNZ segments are the envelope of any message, enclosing all the data that is being transmitted.

The UNB (Interchange header) and UNZ (Interchange trailer) segments mark respectively the beginning and the end of an interchange thereby providing a unique interchange control reference.

Within the interchange the UNH (message header) and UNT (Message trailer) segments uniquely begin and end the various messages contained in an interchange.

EXAMPLE OF AN INTERCHANGE STRUCTURE



NOTE:
 All data elements marked “M” for Mandatory in the “ST” field of the Shape implementation will be included in the message.

0000 UNB - INTERCHANGE HEADER

Segment Group: none Level: 0
 EDIFACT status: mandatory Shape status: mandatory
 Maximum use: 1 per interchange Shape occurrences: 1 per interchange
 Function: Service segment providing the unique identification of an interchange. It allows the identification of the sender and the receiver of the interchange, gives date and time of preparation as well as the interchange control reference and the application reference.
 Shape interchange: see remarks.

Example: **UNB+UNOA:2+QQQ:ZZ+DPH:ZZ+030325:0200+233'**
 A B C D E F G H I

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	S001	SYNTAX IDENTIFIER	M			M		
B	0001	Syntax identifier	M	a4	:	M	a4	"UNOA".
B	0002	Syntax version number	M	n1	+	M	n1	Indication of the syntax version used for this message.
C	S002	INTERCHANGE SENDER	M			M		
D	0004	Sender identification	M	an..35	:	M	an..35	Communication Code/Mailbox number of the party originating the message.
D	0007	Identification code qualifier	C	an..4	:	M	an..02	"ZZ" mutually defined
D	0008	Address for Reverse Routing	C	an..14	+			"01" DUNS number
E	S003	INTERCHANGE RECIPIENT	M			M		
F	0010	Recipient identification	M	an..35	:	M	an..35	Communication Code/Mailbox number of the party receiving the message.
F	0007	Identification code qualifier	C	an..4	:	M	an..02	"ZZ" mutually defined
F	0014	Routing address	C	an..14	+			"01" DUNS number
G	S004	DATE / TIME OF PREPARATION	M			M		
H	0017	Date of preparation	M	n6	:	M	n6	YYMMDD Format.
H	0019	Time of preparation	M	n4	+	M	n4	HHMM Format.
I	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	M	an..14	Reference number assigned by the sender of the message.
	S005	RECIPIENTS REFERENCE PASSWORD	C					
	0022	Recipient's reference / password	M	an..14	:			
	0025	Recipient's reference / password qualifier	C	an2	+			
	0026	APPLICATION REFERENCE	C	an..14	+			
	0029	PROCESSING PRIORITY CODE	C	a1	+			
	0031	ACKNOWLEDGEMENT REQUEST	C	n1	+			
	0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+			
	0035	TEST INDICATOR	C	n1	'			

Note: Century is not used in tag 0017, 0019

0010 UNH - MESSAGE HEADER

Segment group: none Level: 0
 EDIFACT status: mandatory Shape status: mandatory.
 Maximum use: 1 per message. Shape occurrences: 1 per message.
 Function: service segment starting and uniquely identifying a message. The message type code for the Delivery schedule message is DELFOR.
 Shape interchange: see remarks.
 Example: **UNH+4+DELFOR:D:96A:UN'**
 A B C D E

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0062	MESSAGE REFERENCE NUMBER	M	an..14	+	M	an..14	Message Control number assigned by the sender to the message.
	S009	MESSAGE IDENTIFIER	M			M		
B	0065	Message type	M	an..6	:	M	an..6	"DELFOR"
C	0052	Message version number	M	an..3	:	M	an..3	"D"
D	0054	Message release number	M	an..3	:	M	an..3	"96A"
E	0051	Controlling agency	M	an..2	:	M	an..2	"UN"
	0057	Association assigned code	C	an..6	+			
	0068	COMMON ACCESS REFERENCE	C	an..35	+			
	S010	STATUS OF TRANSFER	C					
	0070	Sequence of transfer	M	n..2	:			
	0073	First and last transfer	C	a1	'			

COMMENTS

The Message Reference number is structured as follows:

First message: 1
 Second message: 2
 max.: 9999

1250 UNT - MESSAGE TRAILER

Segment group: none Level: 0
 EDIFACT status: mandatory Shape status: mandatory
 Maximum use: 1 per message Shape occurrences: 1 per message
 Function: service segment ending a message, giving the total number of segments in the message and the control reference number of the message.
 Shape interchange:
 Example: **UNT+31+4'**
 A B

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0074	NUMBER OF SEGMENTS IN THE MESSAGE	M	n..6		M	n..6	Control count of the number of segments in the message, including UNH and UNT.
B	0062	MESSAGE REFERENCE NUMBER	M	an..14		M	an..14	Number must be identical to UNH - tag 0062

1260 UNZ - INTERCHANGE TRAILER

Segment Group: none Level: 0
 EDIFACT status: mandatory Shape status: mandatory
 Maximum use: 1 Shape occurrences: 1 per interchange
 Function: service segment ending an interchange and giving the number of messages contained in the interchange as well as the Interchange Control Reference number.

Example: **UNZ+1+233'**
 A B

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0036	INTERCHANGE CONTROL COUNT	M	n..6	+	M	n..6	Number of messages in an interchange.
B	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	'	M	an..14	Value must be the same as 0020 - Interchange Control Reference in UNB.

3.4. DATA SEGMENTS DESCRIPTION

This part includes only the segments defined in the standard and used in the subset exchanged between the Trading Partners and Shape. The segments are described in the same sequence as they appear in the message.

NOTE: All data elements marked “M” for Mandatory in the “ST” field of the Shape implementation will be included in the message.

0020 BGM - BEGINNING OF MESSAGE

Segment group: none
 EDIFACT status: mandatory
 Maximum use: 1 per message
 Function: segment for unique identification of the delivery schedule document, by means of its name and its number.

Level: 1
 Shape status: mandatory
 Shape occurrences: 1 per message

Example: **BGM+241+201906171219-1+5'** **Limit to 10 characters**
 A B C

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C002	DOCUMENT/MESSAGE NAME	C			C		
	1001	Document/message name, coded	C	an..3	:	M	an.3	"241" = Delivery Schedule.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
B	1004	Document/message number	C	an..35	:	M	an..30	A unique release number generated at the time of DELFOR generation. The formatting will consist of the date and time the message was created and an index number (if there are multiples generated).
C	1225	MESSAGE FUNCTION, CODED	C	an..3	+	M	an..3	Function of the message. For code values see below. Note: "5" is currently the only code which Shape will transmit.
	4343	RESPONSE TYPE, CODED	C	an..3	'			

CODE VALUES

1225 - Message function, coded

5 Replace
 This schedule replaces the previous schedule

0030 DTM - DATE/TIME/PERIOD

Segment group: none Level: 1
 EDIFACT status: mandatory Shape status: mandatory (see comments)
 Maximum use: 10 per message at level 1 Shape occurrences: max. 3 per message
 Function: segment specifying the date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Delivery Schedule date.
 Shape interchange: there may be max. 3 occurrences of DTM in position 0030: to specify the message issue date, to specify the despatch date and/or time and to specify the estimated arrival date/time.

Example: **DTM+137:20190617:102'** Document generation
 A B C
DTM+323:2019061720191216:711' Horizon period
 A B C

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		REMARKS
REF	TAG	NAME	ST	FT	SP	ST	FT	

Document generation date.

	C507	DATE/TIME/PERIOD	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"137" = Document/message date/time.
B	2380	Date/time/period	C	an..35	:	M	an..35	Date/time when the document is issued.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"102" = CCYYMMDD.

Horizon period.

	C507	DATE/TIME/PERIOD	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"323" = Horizon period.
B	2380	Date/time/period	C	an..35	:	M	an..35	Date period encompassing the release dates in the DELFOR.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"711" = CCYYMMDD-CCYYMMDD. (Without hyphen)

Segment group 2: NAD-SG3

Segment group: 2 Level: 1
 EDIFACT status: conditional Shape status: mandatory
 Maximum use: 10 per message at level 1 Shape occurrences: maximum 5 per message
 Function: group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Delivery Schedule.
 Shape interchange: see segment description.

0080 NAD - NAME AND ADDRESS

Segment group: 2 Level: 1
 EDIFACT status: mandatory if segment group 02 is used Shape status: mandatory
 Maximum use: 1 per segment group 02 (max. 10) Shape occurrences: 1 per segment group 2
 Function: segment for identifying names, addresses, and their functions relevant to the whole Delivery Schedule.
 Shape interchange: Shape will always transmit a max of 3 NAD's as detailed below.

Example: **NAD+MI+623700994::16'** Material issuer
NAD+SF+999112233::16' Ship From
NAD+SU+999123456::16' Supplier
 A B C

EDIFACT STANDARD DEFINITION				SHAPE IMPLEMENTATION				
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

Planning schedule/material release issuer.

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"MI" = Planning schedule/material release issuer.
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the material release issuer. For code value see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
REST OF SEGMENT NOT USED.								

0080 NAD - CONTINUED

Ship from

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"SF" = Ship from.
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the plant where the material must be delivered. For code value see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
REST OF SEGMENT NOT USED.								

Supplier

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"SU" = Supplier.
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the supplier.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
REST OF SEGMENT NOT USED.								

0080 NAD - CONTINUED

CODE VALUES

3039 - Party id. identification [NAD 1st and 2nd occurrence]

Individual notification by the Implementation Plant -> Code Value must be in line with the information given in DELFOR.

3055 - Code list responsible agency, coded

- 16 DUN & Bradstreet (DUNS)
- 92 Assigned by buyer or buyer's agent.

3207 - Country, coded

EUROPEAN UNION

- AT Austria
- BE Belgium
- DE Germany
- DK Denmark
- ES Spain
- FI Finland
- FR France
- GB United Kingdom
- GR Greece
- IE Ireland
- IT Italy
- LU Luxembourg
- NL Netherlands
- PT Portugal
- SE Sweden

OTHERS

- CA Canada
- CH Switzerland
- CZ Czech Republic
- HU Hungary
- NO Norway
- PL Poland
- RO Romania
- SI Slovenia
- SK Slovakia
- TN Tunisia
- TR Turkey
- US United States

Based on ISO 3166 "ISO ALPHA-2 Country code" list.

0130 UNS – SECTION CONTROL

Segment group: none Level: 0
 EDIFACT status: mandatory Shape status: mandatory
 Maximum use: 1 Shape occurrences: 1
 Function: To separate header and detail sections of the delivery schedule.
 Example: **UNS+D'**

EDIFACT STANDARD DEFINITION					SHAPE IMPLEMENTATION			
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	0081	Section identification	M	an..1	+	M	an..1	"D" = Header/detail section separation

Segment group 4: NAD-SG5-SG6-SG7-SG8

Segment group: 4 Level: 1
 EDIFACT status: conditional Shape status: conditional
 Maximum use: 500 Shape occurrences: 500
 Function: group of segments detailing the delivery point and its attached information.
 Shape interchange: see segment description.

0150 NAD – NAME AND ADDRESS

Segment group: 4 Level: 1
 EDIFACT status: conditional Shape status: Mandatory
 Maximum use: 5 in segment group 5 Shape occurrences: as required
 Function: Used to specify the name/address and their function.
 Shape interchange: see remarks.
 Example: **NAD+ST+79870-1505::92++1900 Hayes St'**
 A B C D

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION			
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS	
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"ST" = Ship to.	
B	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M			
	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the issuer of the planning schedule. For code values see below.	
C	1131	Code list qualifier	C	an..3	:				
	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.	
D	C058	<i>NAME AND ADDRESS</i>	C						
	3124	Name and address line	M	an..35	:				
	3124	Name and address line	C	an..35	:				
	3124	Name and address line	C	an..35	:				
	3124	Name and address line	C	an..35	:				
	3124	Name and address line	C	an..35	:				
	3124	Name and address line	C	an..35	+				
D	C080	<i>PARTY NAME</i>	C			C			
	3036	Party name	M	an..35	:	M	an..35	Name of the party. Not always transmitted.	
	3036	Party name	C	an..35	:				
	3036	Party name	C	an..35	:				
	3036	Party name	C	an..35	:				
	3036	Party name	C	an..35	:				
	3045	Party name format, coded	C	an..3	+				
D	C059	<i>STREET</i>	C						
	3042	Street and number/p.o. box	M	an..35	:				
	3042	Street and number/p.o. box	C	an..35	:				
	3042	Street and number/p.o. box	C	an..35	:				
	3042	Street and number/p.o. box	C	an..35	+				
D	3164	CITY NAME	C	an..35	+				
D	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+				
D	3251	POSTCODE IDENTIFICATION	C	an..9	+				
D	3207	COUNTRY, CODED	C	an..3	"				

CODE VALUES

3039 - Party Id. Identification

Individual notification by the implementation plant.

3055 - Code List Responsible Agency, coded

16 DUN & Bradstreet (DUNS)
 92 Assigned by buyer

Segment group 8: LIN-PIA-SG10-SG12

Segment group: 8 Level: 2
 EDIFACT status: conditional Shape status: conditional
 Maximum use: 9999 Shape occurrences: 9999
 Function: group of segments providing details of the individual line items for the specified delivery point.
 Shape interchange: see segment description.

0280 LIN - LINE ITEM

Segment group: 8 Level: 3
 EDIFACT status: mandatory if segment group 8 is used Shape status: mandatory
 Maximum use: 1 per segment group 8 (max. 9999) Shape occurrences: 1 per segment group 8
 Function: segment identifying the details of the product or service to be delivered, e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item.
 Shape interchange: see remarks.

Example: **LIN+++123456-78:IN'**
LIN+++123456:IN'
 A B

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	1082	LINE ITEM NUMBER	C	n..6	+			
	1229	ACTION REQUEST/ NOTIFICATION, CODED	C	an..3	+			
A	C212	ITEM NUMBER IDENTIFICATION	C			M		
B	7140	Item number	C	an..35	:	M	an..35	Shape assigned part number.
	7143	Item number type, coded	C	an..3	:	M	an..3	"IN" = Buyer's item number.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C829	SUB-LINE INFORMATION	C					
	5495	Sub-line indicator, coded	C	an..3	:			
	1082	Line item number	C	an..6	+			
	1222	CONFIGURATION LEVEL	C	n..2	+			
	7083	CONFIGURATION, CODED	C	an..3	'			

COMMENTS

Shape has a mix of part number formats that are transmitted.
 Some are 6 digits long.
 All newer part numbers are 6 digits followed by a 'site suffix' based on the ordering plant, separated with a dash.
 These should not be confused with part revision/engineering change levels which are separate data segments.

Examples:

123456-20 Represents the Grand Haven campus.
 123456-21 Represents the Athens campus.
 123456-80 Represents the Europe campus.

0290 PIA – ADDITIONAL PRODUCT ID

Segment group: 8 Level: 3
 EDIFACT status: conditional Shape status: mandatory
 Maximum use: 10 per LIN in segment group 8 (max. 9999) Shape occurrences: 1 per segment group 8
 Function: segment identifying the additional product identification.
 Shape interchange: see remarks.

Example: **PIA+1+01:EC'**
 A B C

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4347	PRODUCT ID. FUNCTION QUALIFIER	M	an..3	+	M	an..3	"1" = Additional identification
B	C212 7140	ITEM NUMBER IDENTIFICATION Item number	M C	an..35	:	M C	an..35	Shape's designated part revision. (Engineering change level) "EC" = Engineering change level.
C	7143 1131 3055	Item number type, coded Code list qualifier Code list responsible agency, coded	C C C	an..3 an..3 an..3	: : +	C	an..3	

Segment group 10: RFF-DTM

Segment group: 10
 EDIFACT status: conditional
 Maximum use: 10 per LIN in segment group 8
 Function: group of segments giving references related to the line item and where necessary, their dates.
 Shape interchange: see segment description.

Level: 3
 Shape status: conditional
 Shape occurrences: 1 per segment group 8

0420 RFF - REFERENCE

Segment group: 10
 EDIFACT status: mandatory if segment group 10 is used
 Maximum use: 1 per segment group 10 (max. 10)
 Function: segment for identifying documents relating to the line item, e.g. a contract and its appropriate line item.
 Shape interchange: see remarks.

Level: 3
 Shape status: mandatory
 Shape occurrences: 1 per segment group 10

Example: **RFF+ON:A1A2A3A4A'**
 A B

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	REFERENCE	M			M		"ON" = Order number. Number of the Purchase Order relevant for the article defined in the preceding LIN.
A	1153	Reference qualifier	M	an..3	:	M	an..3	
B	1154	Reference number	C	an..35	:	C	an..35	
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

0430 DTM - DATE/TIME/PERIOD

Segment group: 10
 EDIFACT status: conditional
 Maximum use: 1 per RFF
 Function: segment providing the date/time/period of the reference.

Level: 3
 Shape status: conditional
 Shape occurrences: not used

Example:

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C507	DATE/TIME/PERIOD	M					
	2005	Date/time/period qualifier	M	an..3	:			
	2380	Date/time/period	C	an..35	:			
	2379	Date/time/period format qualifier	C	an..3	'			

Segment group 12: QTY-SCC-DTM-SG13

Segment group: 12 Level: 3
 EDIFACT status: mandatory Shape status: mandatory
 Maximum use: 200 Shape occurrences: 200 max
 Function: group of segments identifying the details of each release transmitted in the delivery schedule.
 Shape interchange: see descriptions

0480 QTY - QUANTITIY

Segment group: 12 Level: 3
 EDIFACT status: mandatory Shape status: mandatory
 Maximum use: 1 per segment group 12 Shape occurrences: 1 per segment group 12
 Function: segment specifying the quantity to be delivered by the date in the following DTM segment.
 Shape interchange:

Example: **QTY+1:123456:EA'**
QTY+3:123456:C62'
QTY+79:123456:C62'
 A B C

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C186	<i>QUANTITY DETAILS</i>	M			M		
A	6063	Packaging level, coded	M	an..3	:	M	an..3	"1" = Discrete Quantity.
B	6060	Packaging related information, coded	M	n..15	:	M	n..15	Forecasted quantity for the time period defined by the following SCC.
C	6411	Packaging terms and conditions, coded	C	an..3	+	C	an..3	"EA" = Eaches. The purchase unit on the PO from Shape.
	C186	<i>QUANTITY DETAILS</i>	M			M		
A	6063	Packaging level, coded	M	an..3	:	M	an..3	"3" = Cumulative Quantity.
B	6060	Packaging related information, coded	M	n..15	:	M	n..15	Cumulative quantity total cumulative quantity received for the preceding LIN.
C	6411	Packaging terms and conditions, coded	C	an..3	+	C	an..3	For code value see UN.ECE recommendation No. 20
	C186	<i>QUANTITY DETAILS</i>	M			M		
A	6063	Packaging level, coded	M	an..3	:	M	an..3	"79" = Previous Cumulative Quantity.
B	6060	Packaging related information, coded	M	n..15	:	M	n..15	Cumulative quantity total cumulative quantity received for the preceding LIN.
C	6411	Packaging terms and conditions, coded	C	an..3	+	C	an..3	For code value see UN.ECE recommendation No. 20

0490 SCC - SCHEDULING CONDITIONS

Segment group: 12 Level: 4
 EDIFACT status: mandatory if segment group 17 is used Shape status: mandatory
 Maximum use: 1 per segment group 17 Shape occurrences: 1 per segment group 17
 Function: segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern.
 Shape interchange: Shape will transmit up to 21 daily quantities and up to 24 weekly quantities.
 Example: **SCC+1++D'** [daily quantities]
SCC+4++W' [weekly quantities]
 A B

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4017	DELIVERY PLAN STATUS INDICATOR, CODED	M	an..3	+	M	an..3	Code value qualifying the quantity defined in the following QTY. For code value see below.
	4493	DELIVERY REQUIREMENTS, CODED	C	an..3	+			
B	C329	<i>PATTERN DESCRIPTION</i>	C			C		Definition of the time unit for the quantity defined in the preceding QTY. For code value see below.
	2013	Frequency, coded	C	an..3	:	C	an..3	
	2015	Despatch pattern, coded	C	an..3	:	C	an..3	
	2017	Despatch pattern timing, coded	C	an..3	:			

CODE VALUES

4017 - Delivery Plan Status Indicator, coded

- 1 Firm quantity
- 4 Planning quantity

2013 - Frequency, coded

- D Daily
- W Weekly

0500 DTM - DATE/TIME/PERIOD

Segment group: 12 Level: 4
 EDIFACT status: conditional Shape status: conditional
 Maximum use: 2 per QTY in segment group 12 Shape occurrences: max. 2 per segment group 12
 Function: segment indicating date/time/period details relating to the given quantity.
 Shape interchange: see remarks.

Example: **DTM+2:19970616:102'**
DTM+50:20140620:102'
DTM+52:20140620:102'
 A B C

EDIFACT STANDARD DEFINITION							SHAPE IMPLEMENTATION	
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C507	DATE/TIME/PERIOD	M			M		
B	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"2" = Delivery date/time, requested.
C	2380	Date/time/period	C	an..35	:	M	an..35	Date associated with the quantity defined in the preceding QTY.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"102" = CCYYMMDD.
A	C507	DATE/TIME/PERIOD	M			M		
B	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"50" = Goods receipt date/time.
C	2380	Date/time/period	C	an..35	:	M	an..35	Date associated with the quantity defined in the preceding QTY.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"102" = CCYYMMDD.
A	C507	DATE/TIME/PERIOD	M			M		
B	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"52" = Cumulative quantity end date.
C	2380	Date/time/period	C	an..35	:	M	an..35	Date associated with the quantity defined in the preceding QTY.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"102" = CCYYMMDD.

Segment group 13: RFF-DTM

Segment group: 13 Level: 4
 EDIFACT status: conditional Shape status: conditional
 Maximum use: 10 Shape occurrences: 10 max
 Function: group of segments referencing the line item and their dates.
 Shape interchange: see descriptions

0520 RFF - REFERENCE

Segment group: 13 Level: 4
 EDIFACT status: conditional Shape status: conditional
 Maximum use: 1 per SG13 Shape occurrences: 1 per SG13
 Function: segment to reference the line item.
 Shape interchange: see remarks
 Example: **RFF+AAK:ABC123456'**
 A B

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	REFERENCE	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	For code values see below.
B	1154	Reference number	C	an..35	:	C	an..30	Number as qualified in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	€			

CODE VALUES

1153 - Reference qualifier.

AAK Shipment number.
 Shipment number of the last receipt for the LIN defined previously.

0530 DTM - DATE/TIME/PERIOD

Segment group: 10 Level: 3
 EDIFACT status: conditional Shape status: conditional
 Maximum use: 1 per RFF Shape occurrences: not used
 Function: segment providing the date/time/period of the reference.
 Example:

EDIFACT STANDARD DEFINITION						SHAPE IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C507	DATE/TIME/PERIOD	M					
	2005	Date/time/period qualifier	M	an..3	:			
	2380	Date/time/period	C	an..35	:			
	2379	Date/time/period format qualifier	C	an..3	€			

3.5. EXAMPLE OF MESSAGE

SAMPLE DELFOR MESSAGE

The following example is only illustrative and may not reflect an existing situation as either a test or production transmission. The full amount of releases have been omitted for readability.

UNB+UNOA:2+065859555:01+QQQ:ZZ+190619:0910+960'	
UNG+DELFOR+065859555+QQQ+190619:0910+960+UN+D:96A'	
UNH+96000001+DELFOR:D:96A:UN'	
BGM+241+201906190910-1+5'	
DTM+137:20190619:102'	
DTM+323:2019061720191216:711'	
NAD+MI+065859555::16'	
NAD+SF+QQQ::92'	
NAD+SU+QQQ::92'	
UNS+D'	
NAD+ST+ 79870-4141 ::92++17155 Van Wagoner (VW)'	Full list of ship-to codes available on our website.
LIN+++ 207936-20 :IN'	Shape's part number. Should be returned on the DELFOR
PIA+1+ 02 :EC'	Shape's revision number. Should be returned on the DELFOR
RFF+ON: 000009 '	Shape's PO number. Should be returned on the DELFOR
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190617:102'	
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190618:102'	
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190619:102'	
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190620:102'	
QTY+1:100:EA'	
SCC+1++D'	
DTM+2:20190621:102'	
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190624:102'	
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190702:102'	
QTY+1:0:EA'	
SCC+1++D'	
DTM+2:20190703:102'	
QTY+1:0:EA'	
SCC+4++W'	
DTM+2:20190708:102'	
QTY+1:0:EA'	
SCC+4++W'	
DTM+2:20190715:102'	
QTY+1:0:EA'	
SCC+4++W'	
DTM+2:20190722:102'	
QTY+3: 482146 :C62'	Cumulative quantity. Does not reset unless a PO or revision is changed.
DTM+50:20140620:102'	
QTY+1: 5454 :C62'	Quantity of the last receipt
DTM+50: 20140620 :102'	Date of the last receipt
RFF+AAK: SH412102 '	Last shipment number received
QTY+79:482146:C62'	
DTM+52:20140620:102'	
UNS+S'	
UNT+74+96000008'	
UNE+1+960'	
UNZ+1+960'	