



GENERAL MOTORS IMPLEMENTATION GUIDELINES
FOR
DELFOR MESSAGE
DELIVERY SCHEDULE MESSAGE

CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION

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TABLE OF CONTENTS

TITLE	Page
GENERAL INFORMATION	4
BOILERPLATE	6
SEGMENT DIRECTORY	10
DATA SEGMENTS	13
Header	13
Detail	25
Summary	71
DELFOR EXAMPLE	72
DELFOR GUIDELINE CHANGE LOG	73

GENERAL INFORMATION

PURPOSE

This Implementation Guideline details how General Motors intends to use the DELFOR Message. It provides the standardized format and establishes the data content of a Delivery schedule message. DELFOR is a message, which is sent from a party who is planning the use or consumption of products to a party who has to plan for the supply of the products. The message gives the requirements regarding details for short term delivery and/or medium to long scheduling for products. The scheduling can be used to authorize manufacturing and or the provision of materials. This is based on the terms and conditions defined in a purchase order or contract.

APPLICATION

General Motors plans to use the EDIFACT message standards when this type of information is transmitted to trading partners. Plans to migrate from the ANSI ASC X12 830 or other proprietary standards will be communicated as business plans dictate the need to change.

STRUCTURE OF THE GM IMPLEMENTATION GUIDELINE

The GM Implementation Guideline appearing on the following pages, include the EDIFACT Boilerplate, the Segment Table, Segment explanations and various examples of the DESADV Message. The Segment Table is a summary of the entire EDIFACT Message, in the left column GM has identified when/if each Segment Group/ Segment is used. Each segment is defined as "Must Use", "Not Used", or a blank denotes that the segment may be used by some GM entities.

The next portion of the document, the Segment information requirements for data element usage are also defined. GM will use the following symbols in the left column:

- | | |
|---------|--|
| >> | GM requires that information is provided |
| X | GM does not expect to receive this information |
| (blank) | Some GM locations may expect to receive this data. |

The Attributes column, located on the right side of the Segment information, provides the EDIFACT element size. GM plans to conform to the EDIFACT field parameters.

USE OF EDIFACT AND ISO DATA ELEMENT DICTIONARYS

There is one exception to the statement in the gray notes fields throughout this document that reads, "GM may send any code listed in the Data Dictionary". GM

will not send codes Z, ZZ or ZZZ (described as mutually defined) because they are not specific and cannot be applied to all GM applications.

VERSION

The DELFOR message has been developed based on version 97A of the EDIFACT Standard.

RESPONSIBILITY

This document was developed and is maintained by the General Motors Materials Management EDIFACT Guideline Development group. It is distributed internally to all General Motors EDI and CISCO Coordinators.

MAINTENANCE

The General Motors Materials Management Maintenance Work Group and Information Systems and Services will review changes to this document. The change process can only be initiated by individuals/ organizations within the General Motors Corporation. Changes to the guideline will be considered on a bi-annual basis, to ensure that there is a consistent interpretation of the message

BOILERPLATE

SEGMENT CLARIFICATION

UNH Message Header

A service segment starting and uniquely identifying a message. The message type code for the Delivery schedule message is DELFOR.

Note: Delivery schedule messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 DELFOR 0052 D 0054 97A 0051 UN

BGM Beginning of Message

A segment for unique identification of the Delivery schedule message by means of its name and its number and its function (original, replacement, change).

DTM Date/Time/Period

The DTM segment shall be specified at least once to identify the Delivery schedule message date. This segment can be included to indicate the beginning and the end date of the schedule.

FTX Free Text

A segment with free text in coded or clear form to give further clarification when required. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Segment Group 2: NAD-SG3-SG4

A group of segments identifying parties by their names, addresses, locations, references and contacts relevant to the whole delivery schedule.

NAD Name and Address

A segment for identifying names and addresses and their functions relevant for the whole Delivery schedule. The principal parties for the Delivery schedule message shall be identified. The identification of the recipient of the goods must be given in the NAD segment in the detail section. It is recommended that where possible only the coded form of the party ID should be specified.

Segment Group 4: CTA-COM

A group of segments to identify person, function, or department and appropriate numbers to whom communication should be directed.

CTA Contact Information

A segment to identify the person, function, or department to whom communication should be directed.

COM Communication Contact

A segment identifying communication types and numbers for the person, function, or department identified in the CTA segment.

Segment Group 6: GIS-SG7-SG12

A group of segments providing details on delivery points and products and related information using one of both scheduling methods (as described in 1.3 Principles).

GIS General Indicator

A segment to indicate which method is used by the relevant processing indicator code.

Segment Group 7: NAD-LOC-FTX-SG8-SG9-SG10-SG11

A group of segments needed to identify a delivery point and its attached information when the delivery point method is used.

NAD Name and Address

A segment for identifying the consignee.

LOC Place/Location Identification

A segment identifying a specific location at the consignee address (e.g. dock, gate,..) to which product, as specified in the LIN-Segment groups, should be delivered.

Segment Group 10: CTA-COM

A group of segments to identify a person, function or department at the consignee and appropriate numbers to whom communication should be directed.

CTA Contact Information

A segment to identify the person, function, or department to whom communication should be directed.

COM Communication Contact

Communication types and numbers for the person, function, or department identified in CTA segment.

Segment Group 12: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DTM-FTX-SG13-SG14-SG15-SG17-SG20-SG22

A group of segments providing details of the individual line items for both methods.

LIN Line Item

A 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.

PIA Additional Product Id

A segment providing additional product identification.

IMD Item Description

A segment for describing the product or the service to be delivered. This segment should be used for products that cannot be identified by a product code or article number.

MEA Measurements

A segment specifying physical measurements of the item to be delivered in original or unpacked form.

LOC Place/Location Identification

A segment identifying a specific location to which products, as specified in the LIN-Segment group, should be placed after delivery. This function should only be used with the delivery point driven method.

DTM Date/Time/Period

Date/time/period associated with the line item, such as the date of the engineering change.

FTX Free Text

A segment with free text in coded or clear form to give further clarification, when required, to the line item to be delivered. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Segment Group 13: RFF-DTM

A group of segments giving references related to the line item and where necessary, their dates.

RFF Reference

A segment for identifying references to the line item, e.g. a contract and its appropriate line item, original message number, previous message number if different per line item.

DTM Date/Time/Period

Date/time/period of the reference.

Segment Group 14: TDT-DTM

A group of segments specifying details of the mode and means of transport, and date/time/period related to the specified transport details. When using the delivery point method this segment group overrides for the product identified in the LIN segment the information specified in segment group 11 .

TDT Details of Transport

A segment specifying the carriage, and the mode and means of transport of the goods for the specified location.

Segment Group 15: QTY-DTM-SG16

A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references.

QTY Quantity

A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered.

DTM Date/Time/Period

A segment indicating the date/time/period details relating to the quantity.

Segment Group 16: RFF-DTM

A group of segments giving references related to the quantity and where necessary, their date.

RFF Reference

A segment for identifying reference to the quantity, e.g. despatch advice number.

DTM Date/Time/Period

Date/time/period of the reference.

Segment Group 17: SCC-SG18

A group of segments specifying the schedule information for the product identified in the LIN segment. With the delivery point driven method this segment group provides the schedule for the identified delivery point and product. With the product driven method this segment group can be used to summarise all schedules provided with the subsequent delivery point information given in segment group 22.

SCC Scheduling Conditions

A segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern.

Segment Group 18: QTY-DTM-SG19

A group of segments specifying product quantities and associated dates.

QTY Quantity

A segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. delivery quantity for a specified date.

DTM Date/Time/Period

A segment indicating date/time/period details relating to the given quantity.

Segment Group 20: PAC-MEA-QTY-DTM-SG21

A group of segments identifying the packaging, physical dimensions, and marks and numbers for goods referenced in the line item to be delivered.

PAC Package

A segment specifying the number of package units and the type of packaging for the line item, e.g. pallet.

QTY Quantity

A segment to specify pertinent quantities relating to the physical units (packages) described in the PAC segment.

DTM Date/Time/Period

A segment specifying date/time/period details relating to the physical units (packages) described in the PAC segment, e.g. packaging specification date.

UNT Message Trailer

A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

DELFOR Delivery Schedule Message

Introduction:

WARNING! This version of the DELFOR is not upward compatible with versions prior to D96B.

DELFOR is a message, which is sent from a party who is planning the use or consumption of products to a party who has to plan for the supply of the products. The message gives the requirements regarding details for short-term delivery and/or medium to long scheduling for products. The scheduling can be used to authorize manufacturing and or the provision of materials. This is based on the terms and conditions defined in a purchase order or contract.

SEGMENT DIRECTORY

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
Must Use	0010	UNH	Message Header	M	1		
Must Use	0020	BGM	Beginning of Message	M	1		
Must Use	0030	DTM	Date/Time/Period	M	10		
	0040	FTX	Free Text	C	5		
Not Used	0050		Segment Group 1: RFF-DTM	C		10	
Not Used	0060	RFF	Reference	M	1		
Not Used	0070	DTM	Date/Time/Period	C	1		
Must Use	0080		Segment Group 2: NAD-SG3-SG4	C		99	
Must Use	0090	NAD	Name and Address	M	1		
Not Used	0100		Segment Group 3: RFF-DTM	C		10	
Not Used	0110	RFF	Reference	M	1		
Not Used	0120	DTM	Date/Time/Period	C	1		
	0130		Segment Group 4: CTA-COM	C		5	
Must Use	0140	CTA	Contact Information	M	1		
	0150	COM	Communication Contact	C	5		
Not Used	0160		Segment Group 5: TDT-DTM	C		10	
Not Used	0170	TDT	Details of Transport	M	1		
Not Used	0180	DTM	Date/Time/Period	C	5		
Must Use	0190		Segment Group 6: GIS-SG7-SG12	C		9999	
Must Use	0200	GIS	General Indicator	M	1		
Must Use	0210		Segment Group 7: NAD-LOC-FTX-SG8-SG9-SG10-SG11	C		1	
Must Use	0220	NAD	Name and Address	M	1		
	0230	LOC	Place/Location Identification	C	10		
Not Used	0240	FTX	Free Text	C	5		
Not Used	0250		Segment Group 8: RFF-DTM	C		10	
Not Used	0260	RFF	Reference	M	1		
Not Used	0270	DTM	Date/Time/Period	C	1		
Not Used	0280		Segment Group 9: DOC-DTM	C		10	
Not Used	0290	DOC	Document/Message Details	M	1		
Not Used	0300	DTM	Date/Time/Period	C	10		
	0310		Segment Group 10: CTA-COM	C		5	
Must Use	0320	CTA	Contact Information	M	1		

	0330	COM	Communication Contact	C	5
Not Used	0340		Segment Group 11: TDT-DTM	C	10
Not Used	0350	TDT	Details of Transport	M	1
Not Used	0360	DTM	Date/Time/Period	C	5
Must Use	0370		Segment Group 12: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DTM-FTX-SG13-SG14-SG15-SG17-SG20-SG22	C	9999
Must Use	0380	LIN	Line Item	M	1
	0390	PIA	Additional Product Id	C	10
	0400	IMD	Item Description	C	10
	0410	MEA	Measurements	C	5
Not Used	0420	ALI	Additional Information	C	5
Not Used	0430	GIN	Goods Identity Number	C	999
Not Used	0440	GIR	Related Identification Numbers	C	999
	0450	LOC	Place/Location Identification	C	999
	0460	DTM	Date/Time/Period	C	5
	0470	FTX	Free Text	C	5
	0480		Segment Group 13: RFF-DTM	C	10
Must Use	0490	RFF	Reference	M	1
	0500	DTM	Date/Time/Period	C	1
	0510		Segment Group 14: TDT-DTM	C	10
Must Use	0520	TDT	Details of Transport	M	1
Not Used	0530	DTM	Date/Time/Period	C	5
	0540		Segment Group 15: QTY-DTM-SG16	C	10
Must Use	0550	QTY	Quantity	M	1
	0560	DTM	Date/Time/Period	C	2
	0570		Segment Group 16: RFF-DTM	C	10
Must Use	0580	RFF	Reference	M	1
	0590	DTM	Date/Time/Period	C	1
	0600		Segment Group 17: SCC-SG18	C	999
Must Use	0610	SCC	Scheduling Conditions	M	1
	0620		Segment Group 18: QTY-DTM-SG19	C	999
Must Use	0630	QTY	Quantity	M	1
	0640	DTM	Date/Time/Period	C	2
Not Used	0650		Segment Group 19: RFF-DTM	C	10
Not Used	0660	RFF	Reference	M	1
Not Used	0670	DTM	Date/Time/Period	C	1
	0680		Segment Group 20: PAC-MEA-QTY-DTM-SG21	C	99
Must Use	0690	PAC	Package	M	1
Not Used	0700	MEA	Measurements	C	10
	0710	QTY	Quantity	C	5
	0720	DTM	Date/Time/Period	C	5
Not Used	0730		Segment Group 21: PCI-GIN	C	10
Not Used	0740	PCI	Package Identification	M	1
Not Used	0750	GIN	Goods Identity Number	C	10
Not Used	0760		Segment Group 22: NAD-LOC-FTX-SG23-SG24-SG25-SG27-SG30	C	999
Not Used	0770	NAD	Name and Address	M	1

Not Used	0780	LOC	Place/Location Identification	C	10
Not Used	0790	FTX	Free Text	C	5
Not Used	0800		Segment Group 23: DOC-DTM	C	10
Not Used	0810	DOC	Document/Message Details	M	1
Not Used	0820	DTM	Date/Time/Period	C	1
Not Used	0830		Segment Group 24: CTA-COM	C	5
Not Used	0840	CTA	Contact Information	M	1
Not Used	0850	COM	Communication Contact	C	5
Not Used	0860		Segment Group 25: QTY-DTM-SG26	C	10
Not Used	0870	QTY	Quantity	M	1
Not Used	0880	DTM	Date/Time/Period	C	2
Not Used	0890		Segment Group 26: RFF-DTM	C	10
Not Used	0900	RFF	Reference	M	1
Not Used	0910	DTM	Date/Time/Period	C	1
Not Used	0920		Segment Group 27: SCC-SG28	M	999
Not Used	0930	SCC	Scheduling Conditions	M	1
Not Used	0940		Segment Group 28: QTY-DTM-SG29	M	999
Not Used	0950	QTY	Quantity	M	1
Not Used	0960	DTM	Date/Time/Period	C	2
Not Used	0970		Segment Group 29: RFF-DTM	C	10
Not Used	0980	RFF	Reference	M	1
Not Used	0990	DTM	Date/Time/Period	C	1
Not Used	1000		Segment Group 30: TDT-DTM	C	10
Not Used	1010	TDT	Details of Transport	M	1
Not Used	1020	DTM	Date/Time/Period	C	5
Must Use	1030	UNT	Message Trailer	M	1

DATA SEGMENTS

Header

Segment: **UNH** Message Header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Delivery schedule message is DELFOR.
 Note: Delivery schedule messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 DELFOR 0052 D 0054 97A 0051 UN

Semantic Notes:

Comments:

Notes: UNH+1+DELFOR:D:97A:UN'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	0062		MESSAGE REFERENCE NUMBER	M an..14
			Unique message reference assigned by the sender.	
			Must match the message reference number in the UNT.	
>>	S009		MESSAGE IDENTIFIER	M
			Identification of the type, version etc. of the message being interchanged.	
>>		0065	Message type identifier	M an..6
			Code identifying a type of message and assigned by its controlling agency.	
			DELFOR Delivery schedule message	
			A code to identify the delivery schedule message.	
>>		0052	Message type version number	M an..3
			Version number of a message type.	
			D Draft version/UN/EDIFACT Directory	
			Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).	
>>		0054	Message type release number	M an..3
			Release number within the current message type version number (0052).	
			97A Release 1997 - A	
			Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).	
>>		0051	Controlling agency	M an..2
			Code identifying the agency controlling the specification, maintenance and publication of the message type.	
			UN UN/ECE/TRADE/WP.4	
			United Nations Economic UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).	
X		0057	Association assigned code	C an..6

			Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.
X	0068	COMMON ACCESS REFERENCE	C an..35
			Reference serving as a key to relate all subsequent transfers of data to the same business case or file.
X	S010	STATUS OF THE TRANSFER	C
			Statement that the message is one in a sequence of transfers relating to the same topic.
X	0070	Sequence message transfer number	M n..2
			Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.
X	0073	First/last sequence message transfer indication	C a1
			Indication used for the first and last message in a sequence of the same type of message relating to the same topic.
			Refer to D.97A Data Element Dictionary for acceptable code values.

Segment: **BGM** Beginning of Message
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment for unique identification of the Delivery schedule message by means of its name and its number and its function (original, replacement, change).

Syntax Notes:

Semantic Notes:

Comments:

Notes: BGM+241:::PS+35+5'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C002		DOCUMENT/MESSAGE NAME	C
			Identification of a type of document/message by code or name. Code preferred.	
>>		1001	Document/message name, coded	C an..3
			Document/message identifier expressed in code.	
		241	Delivery schedule	
			Usage of DELFOR-message.	
X		1131	Code list qualifier	C an..3
			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
		1000	Document/message name	C an..35
			Plain language identifier specifying the function of a document/message.	
			GM may send the following:	
			BB - Customer Production (Consumption Based) - requires receiver of schedule to calculate the GM customer's requirement quantity and date. Transit time must be applied to determine the ship date.	
			DL - Delivery Based - requires receiver to apply transit time to determine the ship date.	
			SH - Shipment Based - no calculation required by receiver.	
			PS - Planned Shipment Based - no authorization to ship.	
			PD - Planned Delivery Based - no authorization to ship.	
>>	C106		DOCUMENT/MESSAGE IDENTIFICATION	C
			Identification of a document/message by its number and eventually its version or revision.	
>>		1004	Document/message number	C an..35
			Reference number assigned to the document/message by the issuer.	
			GM release number	
X		1056	Version	C an..9
			To specify the version number or name of an object.	
X		1060	Revision number	C an..6

		To specify a revision number.	
>>	1225	MESSAGE FUNCTION, CODED	C an..3
		Code indicating the function of the message.	
		The requirements established in this message supersede any previously established requirements which fall within the horizons of this message.	
		4	Change
			Message containing items (e.g. line items, goods items, Customs items, equipment items) to be changed in a previously sent message.
			Used for Ship Direct only.
		5	Replace
			Message replacing a previous message.
X	4343	RESPONSE TYPE, CODED	C an..3
		Code specifying the type of acknowledgment required or transmitted.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 10
Purpose: The DTM segment shall be specified at least once to identify the Delivery schedule message date. This segment can be included to indicate the beginning and the end date of the schedule.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

A minimum of two DTM segments should be used:

- 1) To specify the transaction set issue date;
- 2) To specify horizon beginning and/or ending periods.

EXAMPLE:

```
DTM+137:199705030553:203'
DTM+158:19970502:102'
```

Data Element Summary

Data Element	Component Element	Name	Attributes
>>	C507	DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		There may be up to 3 occurrences of the DTM in this segment group.	
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication. To be used with the Date/time/period format qualifier (element 2379) code 203. One iteration is mandatory.
		158	Horizon start date The first date of a period forming a horizon. To be used with the Date/time/period format qualifier (element 2379) code 102.
		159	Horizon end date The last date of a period forming a horizon. To be used with the Date/time/period format qualifier (element 2379) code 102.
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.
		203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

Segment: **FTX** Free Text
Position: 0040
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment with free text in coded or clear form to give further clarification when required. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Syntax Notes:
Semantic Notes:
Comments:

Notes: FTX+AAI+++HOLIDAY SHUTDOWN WILL BEGIN 12-23'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. AAI General information	M an..3
X	4453		TEXT FUNCTION, CODED Code specifying how to handle the text. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	C107		TEXT REFERENCE Coded reference to a standard text and its source.	C
X		4441	Free text identification Free text in coded form.	M an..17
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
	C108		TEXT LITERAL Free text; one to five lines.	C
>>		4440	Free text Free text field available to the message sender for information.	M an..70
		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X	3453		LANGUAGE, CODED Code of language (ISO 639-1988).	C an..3

Group: **NAD** Segment Group 2: Name and Address
Position: 0080
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments identifying parties by their names, addresses, locations, references and contacts relevant to the whole delivery schedule.

Segment Summary

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
Must Use	0090	NAD	Name and Address	M	1	
	0130		Segment Group 4: Contact Information	C		5

Segment: **NAD** Name and Address
Position: 0090 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying names and addresses and their functions relevant for the whole Delivery schedule. The principal parties for the Delivery schedule message shall be identified. The identification of the recipient of the goods must be given in the NAD segment in the detail section. It is recommended that where possible only the coded form of the party ID should be specified.

Syntax Notes:
Semantic Notes:
Comments:

Notes:
 NAD+MI+88835::92'
 NAD+SU+987654321::16'
 NAD+OB+123456789::16++HYPOTHETICAL NAME'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		PARTY QUALIFIER Code giving specific meaning to a party. Two iterations of data element 3035 are mandatory. They must contain codes MI and SU.	M an..3
			MI Planning schedule/material release issuer	
			OB Ordered by Party who issued an order. OB to be used for Ship Direct orders only	
			SF Ship from Identification of the party from where goods will be or have been shipped. SF may be used only when different from SU	
			SU Supplier (3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade.	
>>	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C
>>		3039	Party id. Identification Code identifying a party involved in a transaction.	M an..35
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
			16 DUNS (Dun & Bradstreet)	
			92 Assigned by buyer or buyer's agent	
X	C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C

X		3124	Name and address line	M	an..35
			Free form name and address description.		
X		3124	Name and address line	C	an..35
			Free form name and address description.		
X		3124	Name and address line	C	an..35
			Free form name and address description.		
X		3124	Name and address line	C	an..35
			Free form name and address description.		
X		3124	Name and address line	C	an..35
			Free form name and address description.		
	C080		PARTY NAME	C	
			Identification of a transaction party by name, one to five lines. Party name may be formatted.		
>>		3036	Party name	M	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3036	Party name	C	an..35
			Name of a party involved in a transaction.		
X		3045	Party name format, coded	C	an..3
			Specification of the representation of a party name.		
			Refer to D.97A Data Element Dictionary for acceptable code values.		
X	C059		STREET	C	
			Street address and/or PO Box number in a structured address: one to three lines.		
X		3042	Street and number/p.o. box	M	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X		3042	Street and number/p.o. box	C	an..35
			Street and number in plain language, or Post Office Box No.		
X	3164		CITY NAME	C	an..35
			Name of a city (a town, a village) for addressing purposes.		
X	3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9
			Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.		
X	3251		POSTCODE IDENTIFICATION	C	an..9
			Code defining postal zones or addresses.		
X	3207		COUNTRY, CODED	C	an..3
			Identification of the name of a country or other geographical entity as specified in ISO 3166.		

Group: **CTA** Segment Group 4: Contact Information
Position: 0130
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments to identify person, function, or department and appropriate numbers to whom communication should be directed.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0140	CTA	Contact Information	M	1	
	0150	COM	Communication Contact	C	5	

Segment: **CTA Contact Information**
Position: 0140 (Trigger Segment)
Group: Segment Group 4 (Contact Information) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the person, function, or department to whom communication should be directed.

Syntax Notes:

Semantic Notes:

Comments:

Notes: CTA+IC+5200:JANE DOE'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3139		CONTACT FUNCTION, CODED	C an..3
		Code specifying the function of a contact (e.g. department or person).	
	IC	Information contact	
		Department/person to contact for questions regarding transactions.	
C056		DEPARTMENT OR EMPLOYEE DETAILS	C
		Code and/or name of a department or employee. Code preferred.	
	3413	Department or employee identification	C an..17
		Internal identification code.	
	3412	Department or employee	C an..35
		The department or person within an organizational entity.	

Segment: **COM** **Communication Contact**
Position: 0150
Group: Segment Group 4 (Contact Information) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment identifying communication types and numbers for the person, function, or department identified in the CTA segment.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

COM+8109475566:TE'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C076		COMMUNICATION CONTACT	M
		Communication number of a department or employee in a specified channel.	
>>	3148	Communication number	M an..512
		The communication number.	
>>	3155	Communication channel qualifier	M an..3
		Code identifying the type of communication channel being used.	
		EM Electronic mail	
		Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media.	
		FX Telefax	
		Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.	
		TE Telephone	
		Voice/data transmission by telephone.	

Detail

Group: **GIS** Segment Group 6: General Indicator
Position: 0190
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments providing details on delivery points and products and related information using one of both scheduling methods (as described in 1.3 Principles).

Segment Summary

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
Must Use	0200	GIS	General Indicator	M	1	
	0210		Segment Group 7: Name and Address	C		1
	0370		Segment Group 12: Line Item	C		9999

Segment: **GIS** General Indicator
Position: 0200 (Trigger Segment)
Group: Segment Group 6 (General Indicator) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate which method is used by the relevant processing indicator code.

Syntax Notes:

Semantic Notes:

Comments:

Notes: GIS+37'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C529		PROCESSING INDICATOR Type of process indication.	M
>>		7365	Processing indicator, coded Identifies the value to be attributed to indicators required by the processing system.	M an..3
			36 Changed information Processing of information to note that only changes to existing data are transmitted. Used when the value of Data element 1225 in the BGM segment is 4. For Ship Direct only.	
			37 Complete information Processing of information to note that complete data details (not just changes) are transmitted. Used when the value of Data element 1225 in the BGM segment is 5.	
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		7187	Process type identification Specification of a process or subprocess. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..17

Group: **NAD** Segment Group 7: Name and Address
Position: 0210
Group: Segment Group 6 (General Indicator) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments needed to identify a delivery point and its attached information when the delivery point method is used.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0220	NAD	Name and Address	M	1	
	0230	LOC	Place/Location Identification	C	10	
	0310		Segment Group 10: Contact Information	C		5

Segment: **NAD** Name and Address
Position: 0220 (Trigger Segment)
Group: Segment Group 7 (Name and Address) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying the consignee.
Syntax Notes:
Semantic Notes:
Comments:
Notes: NAD+ST+48069::92++PONTIAC EAST ASSEMBLY'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		PARTY QUALIFIER Code giving specific meaning to a party. ST Ship to Identification of the party to where goods will be or have been shipped. This will be the DESTINATION code.	M an..3
>>	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C
>>		3039	Party id. identification Code identifying a party involved in a transaction.	M an..35
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 16 DUNS (Dun & Bradstreet) 92 Assigned by buyer or buyer's agent	C an..3
X	C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C
X		3124	Name and address line Free form name and address description.	M an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
>>	C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C
>>		3036	Party name Name of a party involved in a transaction.	M an..35
X		3036	Party name Name of a party involved in a transaction.	C an..35

X		3036 Party name	C an..35
		Name of a party involved in a transaction.	
X		3036 Party name	C an..35
		Name of a party involved in a transaction.	
X		3036 Party name	C an..35
		Name of a party involved in a transaction.	
X		3045 Party name format, coded	C an..3
		Specification of the representation of a party name.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	C059	STREET	C
		Street address and/or PO Box number in a structured address: one to three lines.	
X		3042 Street and number/p.o. box	M an..35
		Street and number in plain language, or Post Office Box No.	
X		3042 Street and number/p.o. box	C an..35
		Street and number in plain language, or Post Office Box No.	
X		3042 Street and number/p.o. box	C an..35
		Street and number in plain language, or Post Office Box No.	
X		3042 Street and number/p.o. box	C an..35
		Street and number in plain language, or Post Office Box No.	
X	3164	CITY NAME	C an..35
		Name of a city (a town, a village) for addressing purposes.	
X	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9
		Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	
X	3251	POSTCODE IDENTIFICATION	C an..9
		Code defining postal zones or addresses.	
X	3207	COUNTRY, CODED	C an..3
		Identification of the name of a country or other geographical entity as specified in ISO 3166.	

Segment: **LOC** Place/Location Identification
Position: 0230
Group: Segment Group 7 (Name and Address) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment identifying a specific location at the consignee address (e.g. dock, gate,...) to which product, as specified in the LIN-Segment groups, should be delivered.

Syntax Notes:

Semantic Notes:

Comments:

Notes: LOC+11+DOCKB'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3227		PLACE/LOCATION QUALIFIER Code identifying the function of a location. This is the Dock code associated with the Ship To destination for all parts associated with this GIS segment group.	M an..3
		11	Place/port of discharge (3392 + 3414) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are unloaded from the means of transport having been used for their carriage.	
	C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C
		3225	Place/location identification Identification of the name of place/location, other than 3164 City name. Destination DOCK CODE	C an..25
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3224	Place/location Name of place/location, other than 3164 City name.	C an..70
X	C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C
X		3223	Related place/location one identification Specification of the first related place/location by code.	C an..25
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3222	Related place/location one Specification of the first related place/location by name.	C an..70
X	C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C

X	3233	Related place/location two identification Specification of a second related place/location by code.	C an..25
X	1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	3232	Related place/location two Specification of a second related place/location by name.	C an..70
X	5479	RELATION, CODED To specify the relationship between two or more items.	C an..3

Group: **CTA** Segment Group 10: Contact Information
Position: 0310
Group: Segment Group 7 (Name and Address) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments to identify a person, function or department at the consignee and appropriate numbers to whom communication should be directed.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0320	CTA	Contact Information	M	1	
	0330	COM	Communication Contact	C	5	

Segment: **CTA Contact Information**
Position: 0320 (Trigger Segment)
Group: Segment Group 10 (Contact Information) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the person, function, or department to whom communication should be directed.

Syntax Notes:

Semantic Notes:

Comments:

Notes: CTA+IC+3490:JOHN DOE'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3139		CONTACT FUNCTION, CODED	C an..3
		Code specifying the function of a contact (e.g. department or person).	
	IC	Information contact	
		Department/person to contact for questions regarding transactions.	
C056		DEPARTMENT OR EMPLOYEE DETAILS	C
		Code and/or name of a department or employee. Code preferred.	
	3413	Department or employee identification	C an..17
		Internal identification code.	
	3412	Department or employee	C an..35
		The department or person within an organizational entity.	

Segment: **COM** Communication Contact
Position: 0330
Group: Segment Group 10 (Contact Information) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 5
Purpose: Communication types and numbers for the person, function, or department identified in CTA segment.

Syntax Notes:

Semantic Notes:

Comments:

Notes: COM+8109474342:FX'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C076		COMMUNICATION CONTACT	M
		Communication number of a department or employee in a specified channel.	
>>	3148	Communication number	M an..512
		The communication number.	
>>	3155	Communication channel qualifier	M an..3
		Code identifying the type of communication channel being used.	
		EM Electronic mail	
		Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media.	
		FX Telefax	
		Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.	
		TE Telephone	
		Voice/data transmission by telephone.	

Group: **LIN** Segment Group 12: Line Item
Position: 0370
Group: Segment Group 6 (General Indicator) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments providing details of the individual line items for both methods.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0380	LIN	Line Item	M	1	
	0390	PIA	Additional Product Id	C	10	
	0400	IMD	Item Description	C	10	
	0410	MEA	Measurements	C	5	
	0450	LOC	Place/Location Identification	C	999	
	0460	DTM	Date/Time/Period	C	5	
	0470	FTX	Free Text	C	5	
	0480		Segment Group 13: Reference	C		10
	0510		Segment Group 14: Details of Transport	C		10
	0540		Segment Group 15: Quantity	C		10
	0600		Segment Group 17: Scheduling Conditions	C		999
	0680		Segment Group 20: Package	C		99

Segment: **LIN** Line Item
Position: 0380 (Trigger Segment)
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A 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.

Syntax Notes:

Semantic Notes:

Comments:

Notes: LIN+++12345678:IN'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
	1082		LINE ITEM NUMBER	C an..6
			Serial number designating each separate item within a series of articles.	
X	1229		ACTION REQUEST/NOTIFICATION, CODED	C an..3
			Code specifying the action to be taken or already taken.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
>>	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
>>		7140	Item number	C an..35
			A number allocated to a group or item.	
>>		7143	Item number type, coded	C an..3
			Identification of the type of item number.	
			IN Buyer's item number	
X		1131	Code list qualifier	C an..3
			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X	C829		SUB-LINE INFORMATION	C
			To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.	
X		5495	Sub-line indicator, coded	C an..3
			Indication that the segment and/or segment group is used for sub-line item information.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		1082	Line item number	C an..6
			Serial number designating each separate item within a series of articles.	
X	1222		CONFIGURATION LEVEL	C n..2
			Number indicating the level of an object which is in a hierarchy.	
X	7083		CONFIGURATION, CODED	C an..3
			Code indicating the status of the sub-line item in the configuration.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **PIA** Additional Product Id
Position: 0390
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.
Syntax Notes:
Semantic Notes:
Comments:
Notes:

The PIA is used for addition product information.

PIA+1+A3576:EC+7:RY+5678:MP'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4347		PRODUCT ID. FUNCTION QUALIFIER Indication of the function of the product code.	M an..3
		1	Additional identification Information which specifies and qualifies product identifications.	
>>	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M
		7140	Item number A number allocated to a group or item.	C an..35
		7143	Item number type, coded Identification of the type of item number.	C an..3
		AA	Product version number Number assigned by manufacturer or seller to identify the release of a product.	
		BL	Control number To specify the control number.	
		EC	Engineering change level Reference number indicating that a change or revision has been applied to an article's specification.	
		GB	Buyer's internal product group code Product group code used within a buyer's internal systems.	
		MP	Product/service identification number Reference number identifying a product or service.	
		RY	Record keeping of model year	
		SA	Supplier's article number Number assigned to an article by the supplier of that article.	
		UA	Ultimate customer's article number Number assigned by ultimate customer to identify relevant article.	
		UP	UPC (Universal product code) Number assigned to a manufacturer's product by the Product Code Council.	
X		1131	Code list qualifier	C an..3

			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
			Subsequent iterations of the Composite C212 cannot repeat values previously used in 7143.	
		7140	Item number	C an..35
			A number allocated to a group or item.	
		7143	Item number type, coded	C an..3
			Identification of the type of item number.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		1131	Code list qualifier	C an..3
			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
		7140	Item number	C an..35
			A number allocated to a group or item.	
		7143	Item number type, coded	C an..3
			Identification of the type of item number.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		1131	Code list qualifier	C an..3
			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
		7140	Item number	C an..35
			A number allocated to a group or item.	
		7143	Item number type, coded	C an..3
			Identification of the type of item number.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		1131	Code list qualifier	C an..3
			Identification of a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
		7140	Item number	C an..35

		A number allocated to a group or item.	
	7143	Item number type, coded	C an..3
		Identification of the type of item number.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	1131	Code list qualifier	C an..3
		Identification of a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **IMD** Item Description
Position: 0400
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment for describing the product or the service to be delivered. This segment should be used for products that cannot be identified by a product code or article number.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

IMD+C+8+P:188:116:WIDGET'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
7077		ITEM DESCRIPTION TYPE, CODED Code indicating the format of a description. C Code (from industry code list) S Structured (from industry code list)	C an..3
7081		ITEM CHARACTERISTIC, CODED Code specifying the item characteristic being described. 8 Product 12 Type and/or process Description of the type and/or process involved in making the product. E.g. in steel, description of the steelmaking process.	C an..3
C273		ITEM DESCRIPTION Description of an item.	C
	7009	Item description identification Code from an industry code list which provides specific data about a product characteristic. GM may send the following code extracted from ANSI ASC X12, data element 682. P - Pilot/Pre-production	C an..17
	1131	Code list qualifier Identification of a code list. 188 Article status A code list defining the status of an article from the procurement point of view, e.g. new article, critical article, etc.	C an..3
	3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 116 US, ANSI ASC X12 American National Standards Institute ASC X12.	C an..3
	7008	Item description Plain language description of articles or products.	C an..35
X	7008	Item description Plain language description of articles or products.	C an..35
	3453	Language, coded Code of language (ISO 639-1988).	C an..3
X	7383	SURFACE/LAYER INDICATOR, CODED	C an..3

Code indicating the surface or layer of a product that is being described.
Refer to D.97A Data Element Dictionary for acceptable code values.

Segment: **MEA** Measurements
Position: 0410
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying physical measurements of the item to be delivered in original or unpacked form.

Syntax Notes:

Semantic Notes:

Comments:

Notes: MEA+PD+LN+FOT:57'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	6311		MEASUREMENT PURPOSE QUALIFIER Specification of the purpose of the measurement.	M an..3
		PD	Physical dimensions (product ordered) Specified measurement dimensions refer to physical dimensions of a product, material or package.	
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
		6313	Property measured, coded Specification of the property measured.	C an..3
		LN	Length dimension (6168) Length of pieces or packages stated for transport purposes.	
		TH	Thickness	
		WD	Width dimension Numeric value of width.	
X		6321	Measurement significance, coded Code specifying the significance of a measurement value. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		6155	Measurement attribute identification Code used to specify non-discrete measurement values. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..17
X		6154	Measurement attribute To specify non-discrete measurement values.	C an..70
	C174		VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C
>>		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. Refer to UN/ECE/Trade Recommendation 20.	M an..3
		6314	Measurement value Value of the measured unit.	C an..18
X		6162	Range minimum Minimum of a range.	C n..18

X		6152 Range maximum	C n..18
		Maximum of a range.	
X		6432 Significant digits	C n..2
		To specify the number of significant digits.	
X	7383	SURFACE/LAYER INDICATOR, CODED	C an..3
		Code indicating the surface or layer of a product that is being described.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **LOC** Place/Location Identification
Position: 0450
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 999
Purpose: A segment identifying a specific location to which products, as specified in the LIN-Segment group, should be placed after delivery. This function should only be used with the delivery point driven method.

Syntax Notes:

Semantic Notes:

Comments:

Notes: LOC+159+AL34JRT1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3227		PLACE/LOCATION QUALIFIER Code identifying the function of a location.	M an..3
		11	Place/port of discharge (3392 + 3414) Seaport, airport, freight terminal, rail station or other place at which the goods (cargo) are unloaded from the means of transport having been used for their carriage.	
		54	Receiving Dock Manufacturing department A department within the manufacturing area (e.g. lacquering, assembly).	
		159	Additional internal destination Any location within the consignee's premises where the goods are moved to.	
	C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C
		3225	Place/location identification Identification of the name of place/location, other than 3164 City name.	C an..25
X		1131	Code list qualifier Identification of a code list.	C an..3
X		3055	Refer to D.97A Data Element Dictionary for acceptable code values. Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
X		3224	Refer to D.97A Data Element Dictionary for acceptable code values. Place/location Name of place/location, other than 3164 City name.	C an..70
X	C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name.	C
X		3223	Related place/location one identification Specification of the first related place/location by code.	C an..25
X		1131	Code list qualifier Identification of a code list.	C an..3
X		3055	Refer to D.97A Data Element Dictionary for acceptable code values. Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3

		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	3222	Related place/location one	C an..70
		Specification of the first related place/location by name.	
X	C553	RELATED LOCATION TWO IDENTIFICATION	C
		Identification of second related location by code or name.	
X	3233	Related place/location two identification	C an..25
		Specification of a second related place/location by code.	
X	1131	Code list qualifier	C an..3
		Identification of a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		Refer to D.97A Data Element Dictionary for acceptable code values.	
X	3232	Related place/location two	C an..70
		Specification of a second related place/location by name.	
X	5479	RELATION, CODED	C an..3
		To specify the relationship between two or more items.	

Segment: **DTM** Date/Time/Period
Position: 0460
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: Date/time/period associated with the line item, such as the date of the engineering change.
Syntax Notes:
Semantic Notes:
Comments:
Notes: DTM+60:19971002:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C507		DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		60 Engineering change level date	
		Date the engineering level of goods is changed.	
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102 CCYMMDD	
		Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

Segment: **FTX** Free Text
Position: 0470
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment with free text in coded or clear form to give further clarification, when required, to the line item to be delivered. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Syntax Notes:

Semantic Notes:

Comments:

Notes: FTX+AAI+++AMK GME EXAMPLE'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4451		TEXT SUBJECT QUALIFIER Code specifying subject of a free text. AAI General information	M an..3
X	4453		TEXT FUNCTION, CODED Code specifying how to handle the text. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	C107		TEXT REFERENCE Coded reference to a standard text and its source.	C
X		4441	Free text identification Free text in coded form.	M an..17
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
	C108		TEXT LITERAL Free text; one to five lines.	C
>>		4440	Free text Free text field available to the message sender for information.	M an..70
		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X	3453		LANGUAGE, CODED Code of language (ISO 639-1988).	C an..3

Group: **RFF** Segment Group 13: Reference
Position: 0480
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references related to the line item and where necessary, their dates.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0490	RFF	Reference	M	1	
	0500	DTM	Date/Time/Period	C	1	

Segment: **RFF** Reference
Position: 0490 (Trigger Segment)
Group: Segment Group 13 (Reference) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying references to the line item, e.g. a contract and its appropriate line item, original message number, previous message number if different per line item.

Syntax Notes:

Semantic Notes:

Comments:

Notes: RFF+ON:8T532'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C506		REFERENCE	M
		Identification of a reference.	
>>	1153	Reference qualifier	M an..3
		Code giving specific meaning to a reference segment or a reference number.	
		AAN Delivery schedule number	
		Reference number assigned by buyer to a delivery schedule.	
		AIF Previous delivery instruction number	
		The identification of a previous delivery instruction.	
		ON Order number (purchase)	
		[1022] Reference number assigned by the buyer to an order.	
		RE Release number	
		Reference number assigned to identify a release of a set of rules, conventions, conditions, etc.	
	1154	Reference number	C an..35
		Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	
	1156	Line number	C an..6
		Number of the line in the document/message referenced in 1154 Reference number.	
	4000	Reference version number	C an..35
		To uniquely identify a reference by its revision number.	

Segment: **DTM** Date/Time/Period
Position: 0500
Group: Segment Group 13 (Reference) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: Date/time/period of the reference.

Syntax Notes:

Semantic Notes:

Comments:

Notes: DTM+137:19971002:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C507		DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		137 Document/message date/time	
		(2006) Date/time when a document/message is issued.	
		This may include authentication.	
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102 CCYYMMDD	
		Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

Group: **TDT** Segment Group 14: Details of Transport
Position: 0510
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying details of the mode and means of transport, and date/time/period related to the specified transport details. When using the delivery point method this segment group overrides for the product identified in the LIN segment the information specified in segment group 11 .

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0520	TDT	Details of Transport	M	1	

Segment: **TDT** Details of Transport
Position: 0520 (Trigger Segment)
Group: Segment Group 14 (Details of Transport) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the carriage, and the mode and means of transport of the goods for the specified location.

Syntax Notes:

Semantic Notes:

Comments:

Notes: TDT+20+++6'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	8051		TRANSPORT STAGE QUALIFIER Qualifier giving a specific meaning to the transport details.	M an..3
		20	Main-carriage transport The primary stage in the movement of cargo from the point of origin to the intended destination.	
X	8028		CONVEYANCE REFERENCE NUMBER Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term).	C an..17
X	C220		MODE OF TRANSPORT Method of transport code or name. Code preferred.	C
X		8067	Mode of transport, coded Coded method of transport used for the carriage of the goods.	C an..3
X		8066	Mode of transport Method of transport used for the carriage of the goods.	C an..17
	C228		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C
		8179	Type of means of transport identification Code defining the type of the means of transport being utilized.	C an..8
		6	Aircraft	
		11	Ship	
X		8178	Type of means of transport Description of the type of the means of transport being utilized.	C an..17
X	C040		CARRIER Identification of a carrier by code and/or by name. Code preferred.	C
X		3127	Carrier identification Identification of party undertaking or arranging transport of goods between named points.	C an..17
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3128	Carrier name Name of party undertaking or arranging transport of goods between named points.	C an..35

X	8101	TRANSIT DIRECTION, CODED	C an..3
		Identification of the point of origin and point of direction. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	C401	EXCESS TRANSPORTATION INFORMATION	C
		To provide details of reason for, and responsibility for, use of transportation other than normally utilized.	
X	8457	Excess transportation reason, coded	M an..3
		Indication of reason for excess transportation. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	8459	Excess transportation responsibility, coded	M an..3
		Indication of responsibility for excess transportation. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	7130	Customer authorization number	C an..17
		Customer provided authorization number to allow supplier to ship goods under specific freight conditions. This number will be transmitted back to customer in the dispatch advice message.	
X	C222	TRANSPORT IDENTIFICATION	C
		Code and/or name identifying the means of transport.	
X	8213	Id. of means of transport identification	C an..9
		Identification of the means of transport by name or number.	
X	1131	Code list qualifier	C an..3
		Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	8212	Id. of the means of transport	C an..35
		Identification of the means of transport by name or number.	
X	8453	Nationality of means of transport, coded	C an..3
		Coded name of the country in which a means of transport is registered.	
X	8281	TRANSPORT OWNERSHIP, CODED	C an..3
		Code indicating the ownership of the means of transport. Refer to D.97A Data Element Dictionary for acceptable code values.	

Group: **QTY** Segment Group 15: Quantity
Position: 0540
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references.

Notes: Cumulative year to date shipped is represented by a quantity qualifier of 3 in data element 6063 of the QTY segment and two iterations of a DTM using qualifiers 51 (to represent the start date) and 11 (to represent the last shipment date considered) in data element 2005.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0550	QTY	Quantity	M	1	
	0560	DTM	Date/Time/Period	C	2	
	0570		Segment Group 16: Reference	C		10

Segment: **QTY** Quantity
Position: 0550 (Trigger Segment)
Group: Segment Group 15 (Quantity) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered.

Syntax Notes:
Semantic Notes:
Comments:

Notes:
QTY+79:2500'
QTY+3:2500'
QTY+12:200'
QTY+48:1700'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
>>	6063	Quantity qualifier Code giving specific meaning to a quantity.	M an..3
		3 Cumulative quantity	
		12 Despatch quantity	
		Quantity despatched by the seller.	
		48 Received quantity	
		The quantity which has been received.	
		70 Cumulative quantity received	
		Cumulative quantity of all deliveries of this article received by the buyer.	
		79 Previous cumulative quantity	
		Cumulative quantity prior the actual order.	
		207 Labour hours	
		Number of labour hours.	
		Code 207 is used to indicate the TOTAL ORDER CYCLE HOURS which is defined as the number of working hours in the total order cycle.	
>>	6060	Quantity Numeric value of a quantity.	M n..15
	6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. May be omitted when unit of measure is piece, each, or unit. Refer to UN/ECE Trade Recommendation 20 for units of measure codes. For a copy, contact DISA at (703) 548-7005.	C an..3

Segment: **DTM** Date/Time/Period
Position: 0560
Group: Segment Group 15 (Quantity) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment indicating the date/time/period details relating to the quantity.

Syntax Notes:

Semantic Notes:

Comments:

Notes: DTM+51+19970101:102'
 DTM+52+19971004:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C507	DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		11 Despatch date and or time (2170) Date/time on which the goods are or are expected to be despatched or shipped.	
		51 Cumulative quantity start date	
		52 First Date for accumulation of delivery quantities. Cumulative quantity end date	
		310 Last Date for accumulation of delivery quantities. Received date/time Date/time of receipt.	
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102 CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	
		203 CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	

Group: **RFF** Segment Group 16: Reference
Position: 0570
Group: Segment Group 15 (Quantity) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references related to the quantity and where necessary, their date.
Notes: This segment group will only be used when the values of element 6063 in the QTY in Segment Group 15 are 12 or 48. This segment group is used only when identifying Shipper's identifying number for shipment (SID) related information.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0580	RFF	Reference	M	1	
	0590	DTM	Date/Time/Period	C	1	

Segment: **RFF** Reference
Position: 0580 (Trigger Segment)
Group: Segment Group 16 (Reference) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment for identifying reference to the quantity, e.g. despatch advice number.
Syntax Notes:
Semantic Notes:
Comments:
Notes: Used to specify identification number of the last shipment shipped/received.

RFF+SI:24937'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C506		REFERENCE	M
			Identification of a reference.	
>>		1153	Reference qualifier	M an..3
			Code giving specific meaning to a reference segment or a reference number.	
			SI SID (Shipper's identifying number for shipment)	
			Description to be provided.	
		1154	Reference number	C an..35
			Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	
X		1156	Line number	C an..6
			Number of the line in the document/message referenced in 1154 Reference number.	
X		4000	Reference version number	C an..35
			To uniquely identify a reference by its revision number.	

Segment: **DTM** Date/Time/Period
Position: 0590
Group: Segment Group 16 (Reference) Conditional (Optional)
Level: 5
Usage: Conditional (Optional)
Max Use: 1
Purpose: Date/time/period of the reference.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

DTM+310:19970512:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C507		DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		11	Despatch date and or time (2170) Date/time on which the goods are or are expected to be despatched or shipped.
		310	Received date/time Date/time of receipt.
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.
		203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

Group: **SCC** Segment Group 17: Scheduling Conditions
Position: 0600
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments specifying the schedule information for the product identified in the LIN segment. With the delivery point driven method this segment group provides the schedule for the identified delivery point and product. With the product driven method this segment group can be used to summarise all schedules provided with the subsequent delivery point information given in segment group 22.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0610	SCC	Scheduling Conditions	M	1	
	0620		Segment Group 18: Quantity	C		999

Segment: **SCC** Scheduling Conditions
Position: 0610 (Trigger Segment)
Group: Segment Group 17 (Scheduling Conditions) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

SCC+4++W:12'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4017		DELIVERY PLAN STATUS INDICATOR, CODED	M an..3
			Code indicating the level of commitment of schedule information.	
			1 Firm	
			Indicates that the scheduling information is a firm commitment.	
			2 Commitment for manufacturing and material	
			Authorizes the supplier to start the manufacturing of goods.	
			3 Commitment for material	
			Authorizes the manufacturer to order material required for manufacturing specified goods.	
			4 Planning/forecast	
			11 Pilot/Pre-volume	
			Description to be provided.	
X	4493		DELIVERY REQUIREMENTS, CODED	C an..3
			Indication of general instruction for delivery.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C329		PATTERN DESCRIPTION	C
			Shipment, delivery or production interval pattern and timing.	
		2013	Frequency, coded	C an..3
			Code specifying interval grouping of the delivery, production, etc. of the schedule.	
			D Discrete	
			Flexible frequency according to planning process.	
			F Flexible interval (from date X through date Y)	
			Code defining a forecasted usage that is planned between two defined dates.	
			M Monthly (calendar months)	
			Code defining a forecast by calendar month(s).	
			W Weekly	
			Code defining a forecast for weekly intervals.	
		2015	Despatch pattern, coded	C an..3
			Code specifying the days/periods for routine shipments or deliveries.	
			1 1st week of the month	
			2 2nd week of the month	

3	3rd week of the month
4	4th week of the month
5	5th week of the month
6	1st and 3rd weeks of the month
7	2nd and 4th weeks of the month
10	Monday through Friday
11	Monday through Saturday
12	Monday through Sunday
13	Monday
14	Tuesday
15	Wednesday
16	Thursday
17	Friday
18	Saturday
19	Sunday
20	Immediately
	At the earliest date/time within the defined lead time.
21	As directed
22	Each week of the month
23	Daily Monday through Friday

X

2017 Despatch pattern timing, coded

C an..3

Code specifying the detailed times for routine shipments or deliveries within data element 2015 Despatch pattern, coded.

Refer to D.97A Data Element Dictionary for acceptable code values.

Group: **QTY** Segment Group 18: Quantity
Position: 0620
Group: Segment Group 17 (Scheduling Conditions) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 999
Purpose: A group of segments specifying product quantities and associated dates.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0630	QTY	Quantity	M	1	
	0640	DTM	Date/Time/Period	C	2	

Segment: **QTY** Quantity
Position: 0630 (Trigger Segment)
Group: Segment Group 18 (Quantity) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. delivery quantity for a specified date.

Syntax Notes:

Semantic Notes:

Comments:

Notes: QTY+1:750'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
>>		6063	Quantity qualifier Code giving specific meaning to a quantity.	M an..3
			1 Discrete quantity	
			3 Cumulative quantity	
>>		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. May be omitted when unit of measure is piece, each, or unit. Refer to UN/ECE Trade Recommendation 20 for units of measure codes. For a copy, contact DISA at (703) 548-7005.	C an..3

Segment: **DTM** Date/Time/Period
Position: 0640
Group: Segment Group 18 (Quantity) Conditional (Optional)
Level: 5
Usage: Conditional (Optional)
Max Use: 2
Purpose: A segment indicating date/time/period details relating to the given quantity.

Syntax Notes:

Semantic Notes:

Comments:

Notes: DTM+158:19971005:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C507	DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		2 Delivery date/time, requested	
		Date on which buyer requests goods to be delivered.	
		10 Shipment date/time, requested	
		Date on which goods should be shipped or despatched by the supplier.	
		51 Cumulative quantity start date	
		First Date for accumulation of delivery quantities.	
		52 Cumulative quantity end date	
		Last Date for accumulation of delivery quantities.	
		158 Horizon start date	
		The first date of a period forming a horizon.	
		159 Horizon end date	
		The last date of a period forming a horizon.	
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102 CCYMMDD	
		Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	
		610 CCYMM	
		Month within a calendar year: CC = Century; Y = Year; M = Month.	

Group: **PAC** Segment Group 20: Package
Position: 0680
Group: Segment Group 12 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments identifying the packaging, physical dimensions, and marks and numbers for goods referenced in the line item to be delivered.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0690	PAC	Package	M	1	
	0710	QTY	Quantity	C	5	
	0720	DTM	Date/Time/Period	C	5	

Segment: PAC Package
Position: 0690 (Trigger Segment)
Group: Segment Group 20 (Package) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying the number of package units and the type of packaging for the line item, e.g. pallet.

Syntax Notes:

Semantic Notes:

Comments:

Notes: PAC+++KLT42'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
X	7224		NUMBER OF PACKAGES Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	C n..8
X	C531		PACKAGING DETAILS Packaging level and details, terms and conditions.	C
X		7075	Packaging level, coded Indication of level of packaging specified. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		7233	Packaging related information, coded Code giving packaging, handling and marking related information. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		7073	Packaging terms and conditions, coded Code identifying packaging terms and conditions. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
	C202		PACKAGE TYPE Type of package by name or by code from a specified source.	C
		7065	Type of packages identification Coded description of the form in which goods are presented. Coded identification of the type of package to be used for the product defined in the preceding LIN segment.	C an..17
X		1131	Code list qualifier Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		7064	Type of packages Description of the form in which goods are presented.	C an..35
X	C402		PACKAGE TYPE IDENTIFICATION Identification of the form in which goods are described.	C
X		7077	Item description type, coded Code indicating the format of a description. Refer to D.97A Data Element Dictionary for acceptable code values.	M an..3
X		7064	Type of packages Description of the form in which goods are presented.	M an..35

X		7143	Item number type, coded	C an..3
			Identification of the type of item number. Refer to D.97A Data Element Dictionary for acceptable code values.	
X		7064	Type of packages	C an..35
			Description of the form in which goods are presented.	
X		7143	Item number type, coded	C an..3
			Identification of the type of item number. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	C532		RETURNABLE PACKAGE DETAILS	C
			Indication of responsibility for payment and load contents of returnable packages.	
X		8395	Returnable package freight payment responsibility, coded	C an..3
			To indicate responsibility for payment of return freight charges for packaging that is returnable. Refer to D.97A Data Element Dictionary for acceptable code values.	
X		8393	Returnable package load contents, coded	C an..3
			To indicate the composition of goods loaded into a returnable package. Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **QTY** Quantity
Position: 0710
Group: Segment Group 20 (Package) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment to specify pertinent quantities relating to the physical units (packages) described in the PAC segment.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

QTY+52:75'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
>>		6063	Quantity qualifier Code giving specific meaning to a quantity. 52 Quantity per pack	M an..3
>>		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. May be omitted when unit of measure is piece, each, or unit. Refer to UN/ECE Trade Recommendation 20 for units of measure codes. For a copy, contact DISA at (703) 548-7005.	C an..3

Segment: **DTM** Date/Time/Period
Position: 0720
Group: Segment Group 20 (Package) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying date/time/period details relating to the physical units (packages) described in the PAC segment, e.g. packaging specification date.

Syntax Notes:

Semantic Notes:

Comments:

Notes: DTM+7+20050107:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C507		DATE/TIME/PERIOD	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
		7 Effective date/time	
		Date and/or time at which specified event or document becomes effective.	
>>	2380	Date/time/period	C an..35
		The value of a date, a date and time, a time or of a period in a specified representation.	
>>	2379	Date/time/period format qualifier	C an..3
		Specification of the representation of a date, a date and time or of a period.	
		102 CCYYMMDD	
		Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.	

Summary

Segment: **UNT** Message Trailer
Position: 1030
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNT+451+1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	0074		NUMBER OF SEGMENTS IN A MESSAGE Control count of number of segments in a message.	M n..6
>>	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender. Must match the message reference number in the UNH.	M an..14

DELFOR EXAMPLE

UNH+1+DELFOR:D:97A:UN'
BGM+241:::PS+35+5'
DTM+137:199712030553:203'
DTM+158:19971203:102'
DTM+159:19980303:102'
FTX+AAI+++HOLIDAY SHUTDOWN BEGINS 12-23'
NAD+MI+88835::92'
NAD+SU+987654321::16'
GIS+37'
NAD+ST+48069::92++PONTIAC EAST ASM'
CTA+IC+3490:XENA'
COM+8109474342:FX'
LIN+++12345678::IN'
PIA+1+7:RY+A3576:EC'
LOC+11+DDD'
LOC+54+3300ABCD'
DTM+60:19971002:102'
RFF+ON+8T532'
QTY+3:10000'
DTM+51+19970101:102'
DTM+52+19971202:102'
QTY+79:10000'
DTM+52+19971202:102'
RFF+SI:24937'
DTM+11:19971126:102'
SCC+1++W:12'
QTY+1:500'
DTM+158:19971201:102'
SCC+1++W:12'
QTY+1:600'
DTM+158:19971208:102'
SCC+4++W:12'
QTY+1:700'
DTM+158:19971215:102'
SCC+4++W:12'
QTY+1:700'
DTM+158:19980202:102'
PAC+++KLT42'
QTY+52:100'
UNT+40+1'

DELFOR Guideline Change Log

Item Number	Segment Group	Segment	Composite Code	Component	Code Values	Detail of Change
98.1.1	SG2	NAD	C082	3055	92	Deleted Gray Note from code value '92' in NAD SG2.
98.1.1	SG15	QTY	C186	6063	207	Deleted portion of Gray Note from code value '207' in QTY SG15. Reference to Total Order Cycle no longer applicable
98.1.3	SG18	DTM	C507	2005	164	Remove code value '164' in DTM SG18
98.1.4	Example					Corrected error in example NAD+ST and LIN+++ segments syntax errors
98.1.5	SG13	DTM		2380 & 2379		Changed component elements to mandatory
98.1.6	SG15	DTM		2380 & 2379		Changed component elements to mandatory
98.1.7	SG20	DTM		2380 & 2379		Changed component elements to mandatory