



GENERAL MOTORS IMPLEMENTATION GUIDELINES

FOR

DESADV MESSAGE

DESPATCH ADVICE MESSAGE

**CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION**

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GENERAL INFORMATION

PURPOSE

This Implementation Guideline details how General Motors intends to use the Despatch advice message. It specifies details for goods despatched or ready for despatch under agreed conditions.

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 856 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-hand 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 must be 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 comments field of 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 DESADV 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

Heading Section:

UNH Message Header

A service segment starting and uniquely identifying a message. The message type code for the Despatch advice message is DESADV.

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

Data element 0065 DESADV 0052 D 0054 97A 0051 UN

BGM Beginning of Message

A segment for unique identification of the Despatch Advice document, by means of its name and its number.

DTM Date/Time/Period

Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

MEA Measurements

A segment specifying the weight and volume of the consignment.

Segment Group 1: RFF-DTM

A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

RFF Reference

A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Segment Group 2: NAD-LOC-SG3-SG4

A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

NAD Name and Address

A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice. Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment.

It is recommended that where possible, only the coded form of the party ID should be specified, e.g. the buyer and seller are known to each other, thus only the coded ID is required. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.

LOC Place/Location Identification

A segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.

Segment Group 6: TDT-PCD-SG7

A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.

TDT Details of Transport

A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

Segment Group 8: EQD-MEA-SEL-EQA-SG9

A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.

EQD Equipment Details

A segment to define fixed information regarding equipment used in conjunction with the whole despatch advice, and if required, to indicate responsibility for supply of the equipment.

SEL Seal Number

A segment specifying a seal number connected to a specific equipment named in the EQD.

Detail Section:**Segment Group 10: CPS-FTX-SG11-SG15**

A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.

CPS Consignment Packing Sequence

A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.

Segment Group 11: PAC-MEA-QTY-SG12-SG13

A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

PAC Package

A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

QTY Quantity

A segment to specify the quantity per package described in the PAC segment.

Segment Group 13: PCI-RFF-DTM-GIR-SG14

A group of segments specifying markings, labels, and packing numbers.

PCI Package Identification

A segment specifying markings and/or labels used on individual physical units (packages) described in the PAC segment.

RFF Reference

A segment for referencing the package identification e.g. master label number.

GIR Related Identification Numbers

A segment providing set of package identification related numbers, e.g. a package label number and a KANBAN card number assigned to the same package.

Segment Group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-NAD-TDT-HAN-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23

A group of segments providing details of the individual despatched items.

LIN Line Item

A segment identifying the product being despatched.

All other segments in the detail section following the LIN segment refer to that line item.

PIA Additional Product Id

A segment providing additional product identification.

IMD Item Description

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

QTY Quantity

A segment to give quantity information concerning the product.

ALI Additional Information

A segment indicating that the line item is subject to special conditions due to origin, customs preference, or commercial factors.

TDT Details of Transport

A segment specifying the carriage, and the mode and means of transport of the goods being despatched, e.g. shipment/consignment number, shipping method, carrier.

Segment Group 16: RFF-NAD-CTA-DTM

A group of segments to give reference numbers and dates.

RFF Reference

A segment identifying documents related to the line item.

NAD Name and Address

A segment for identifying names and addresses and their functions relevant to the originator of the document in the RFF segment.

DTM Date/Time/Period

A segment for date/time/period relative to the referred document.

Segment Group 20: PCI-DTM-MEA-QTY-SG21-SG22

A group of segments identifying one specific package or a number of packages, their marks and numbers, measurements, quantities, date and time information and handling instructions.

PCI Package Identification

A segment specifying marking and labels used on individual packages or a range of packages.

MEA Measurements

A segment specifying physical measurements of packages.

QTY Quantity

A segment to specify quantity per package.

Segment Group 21: GIN-DLM

A group of segments giving package identification numbers and, where relevant, delivery limitation information.

GIN Goods Identity Number

A segment providing identification numbers being applied to the packages despatched.

Summary Section:

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.

DESADV Despatch Advice Message

Introduction:

A message specifying details for goods despatched or ready for despatch under agreed conditions. The United Nations Despatch Advice Message serves both as a specification for Delivery Despatch Advice and also as a Returns Despatch Advice message. Throughout this document, the reference to 'Despatch Advice' may be interpreted as conveying the wider meaning of 'Delivery Despatch Advice/Returns Despatch Advice'.

SEGMENT DIRECTORY

Heading Section:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Group</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>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	C	10		
Not Used	0040	ALI	Additional Information	C	5		
Must Use	0050	MEA	Measurements	C	5		
Not Used	0060	MOA	Monetary Amount	C	5		
	0070		Segment Group 1: RFF-DTM	C		10	
Must Use	0080	RFF	Reference	M	1		
Not Used	0090	DTM	Date/Time/Period	C	1		
	0100		Segment Group 2: NAD-LOC-SG3-SG4	C		10	
Must Use	0110	NAD	Name and Address	M	1		
	0120	LOC	Place/Location Identification	C	10		
Not Used	0130		Segment Group 3: RFF-DTM	C		10	
Not Used	0140	RFF	Reference	M	1		
Not Used	0150	DTM	Date/Time/Period	C	1		
	0160		Segment Group 4: CTA-COM	C		10	
Not Used	0170	CTA	Contact Information	M	1		
Not Used	0180	COM	Communication Contact	C	5		
	0190		Segment Group 5: TOD-LOC-FTX	C		10	
Not Used	0200	TOD	Terms of Delivery or Transport	M	1		
Not Used	0210	LOC	Place/Location Identification	C	5		
Not Used	0220	FTX	Free Text	C	5		
	0230		Segment Group 6: TDT-PCD-SG7	C		10	
Must Use	0240	TDT	Details of Transport	M	1		
Not Used	0250	PCD	Percentage Details	C	6		
	0260		Segment Group 7: LOC-DTM	C		10	
Not Used	0270	LOC	Place/Location Identification	M	1		
Not Used	0280	DTM	Date/Time/Period	C	10		
	0290		Segment Group 8: EQD-MEA-SEL-EQA-SG9	C		10	
Must Use	0300	EQD	Equipment Details	M	1		

Not Used	0310	MEA	Measurements	C	5
	0320	SEL	Seal Number	C	25
Not Used	0330	EQA	Attached Equipment	C	5
Not Used	0340		Segment Group 9: HAN-FTX	C	10
Not Used	0350	HAN	Handling Instructions	M	1
Not Used	0360	FTX	Free Text	C	10

Detail Section:

	<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	0370		Segment Group 10: CPS-FTX-SG11-SG15	C		9999	
Must Use	0380	CPS	Consignment Packing Sequence	M	1		
Not Used	0390	FTX	Free Text	C	5		
	0400		Segment Group 11: PAC-MEA-QTY-SG12-SG13	C		9999	
Must Use	0410	PAC	Package	M	1		
Not Used	0420	MEA	Measurements	C	10		
	0430	QTY	Quantity	C	10		
Not Used	0440		Segment Group 12: HAN-FTX	C		10	
Not Used	0450	HAN	Handling Instructions	M	1		
Not Used	0460	FTX	Free Text	C	10		
	0470		Segment Group 13: PCI-RFF-DTM-GIR-SG14	C		1000	
Must Use	0480	PCI	Package Identification	M	1		
	0490	RFF	Reference	C	1		
Not Used	0500	DTM	Date/Time/Period	C	5		
	0510	GIR	Related Identification Numbers	C	99		
Not Used	0520		Segment Group 14: GIN-DLM	C		99	
Not Used	0530	GIN	Goods Identity Number	M	1		
Not Used	0540	DLM	Delivery Limitations	C	10		
Must Use	0550		Segment Group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-NAD-TDT-HAN-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23	C		9999	
Must Use	0560	LIN	Line Item	M	1		
	0570	PIA	Additional Product Id	C	10		
	0580	IMD	Item Description	C	25		
Not Used	0590	MEA	Measurements	C	10		
	0600	QTY	Quantity	C	10		
	0610	ALI	Additional Information	C	10		
Not Used	0620	GIN	Goods Identity Number	C	100		
Not Used	0630	GIR	Related Identification Numbers	C	100		
Not Used	0640	DLM	Delivery Limitations	C	100		
Not Used	0650	DTM	Date/Time/Period	C	5		
Not Used	0660	NAD	Name and Address	C	5		
	0670	TDT	Details of Transport	C	1		
Not Used	0680	HAN	Handling Instructions	C	20		
Not Used	0690	FTX	Free Text	C	99		
Not Used	0700	MOA	Monetary Amount	C	5		
Must Use	0710		Segment Group 16: RFF-NAD-CTA-DTM	C		99	

Must Use	0720	RFF	Reference	M	1
	0730	NAD	Name and Address	C	1
Not Used	0740	CTA	Contact Information	C	1
	0750	DTM	Date/Time/Period	C	1
Not Used	0760		Segment Group 17: DGS-QTY-FTX	C	10
Not Used	0770	DGS	Dangerous Goods	M	1
Not Used	0780	QTY	Quantity	C	1
Not Used	0790	FTX	Free Text	C	5
Not Used	0800		Segment Group 18: LOC-NAD-DTM-QTY	C	100
Not Used	0810	LOC	Place/Location Identification	M	1
Not Used	0820	NAD	Name and Address	C	1
Not Used	0830	DTM	Date/Time/Period	C	1
Not Used	0840	QTY	Quantity	C	10
Not Used	0850		Segment Group 19: SGP-QTY	C	1000
Not Used	0860	SGP	Split Goods Placement	M	1
Not Used	0870	QTY	Quantity	C	10
	0880		Segment Group 20: PCI-DTM-MEA-QTY-SG21-SG22	C	9999
Must Use	0890	PCI	Package Identification	M	1
Not Used	0900	DTM	Date/Time/Period	C	5
	0910	MEA	Measurements	C	10
	0920	QTY	Quantity	C	1
	0930		Segment Group 21: GIN-DLM	C	10
Must Use	0940	GIN	Goods Identity Number	M	1
Not Used	0950	DLM	Delivery Limitations	C	100
Not Used	0960		Segment Group 22: HAN-FTX-GIN	C	10
Not Used	0970	HAN	Handling Instructions	M	1
Not Used	0980	FTX	Free Text	C	5
Not Used	0990	GIN	Goods Identity Number	C	1000
Not Used	1000		Segment Group 23: QVR-DTM	C	10
Not Used	1010	QVR	Quantity Variances	M	1
Not Used	1020	DTM	Date/Time/Period	C	5

Summary Section:

	<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>
Not Used	1030	CNT	Control Total	C	5		
Must Use	1040	UNT	Message Trailer	M	1		

DATA SEGMENTS

Header

Segment: **UNH** Message Header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To head, identify and specify a Message

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

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender. Must match the message reference number in the UNT.	M an..14
>>	S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.	M
>>		0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. DESADV Despatch advice message A code to identify the despatch advice message.	M an..6
>>		0052	Message type version number 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).	M an..3
>>		0054	Message type release number 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).	M an..3
>>		0051	Controlling agency 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).	M an..2
X		0057	Association assigned code Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	C an..6
X	0068		COMMON ACCESS REFERENCE Reference serving as a key to relate all subsequent transfers of data to the same	C an..35

X	S010	business case or file. 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: To indicate the type and function of a message and to transmit the identifying number.
Syntax Notes:
Semantic Notes:
Comments:
Notes: BGM+351+123456789+9'

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.	
		351 Despatch advice	
		Document/message by means of which the seller or consignor informs the consignee about the despatch of goods.	
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	1000	Document/message name	C an..35
		Plain language identifier specifying the function of a document/message.	
>>	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.	
		A unique control number, commonly called a Shipment Identification Number (SID), assigned by the original shipper to identify a specific shipment. This unique control number cannot be repeated within a one year period. This number must be referenced on both the packing list and the bill of lading as the Shipment Identification Number (SID).	
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.	
		1 Cancellation	
		Message canceling a previous transmission for a given transaction.	
		The issuer's subsequent transmission of an SID, canceling all data previously transmitted under that SID	

2	(1004). Addition Message containing items (e.g. line items, goods items, Customs items, equipment items) to be added to a previously sent message. The issuer's subsequent transmission of an SID, adding part specific data not previously transmitted under that SID (1004).
4	Change Message containing items (e.g. line items, goods items, Customs items, equipment items) to be changed in a previously sent message. The issuer's subsequent transmission of an SID, changing data previously transmitted under that SID (1004).
9	Original Initial transmission related to a given transaction. The issuer's first transmission of a message for a particular SID (1004).

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: Conditional (Required)
Max Use: 10
Purpose: To specify date, and/or time, or period.
Syntax Notes:
Semantic Notes:
Comments:
Notes: DTM+137:199712251156:203'
 DTM+11:199712251153:203'

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.	
		Two iterations of the DTM segment are mandatory, using codes 11 and 137.	
		11	Despatch date and or time (2170) Date/time on which the goods are or are expected to be despatched or shipped.
		132	Arrival date/time, estimated (2348) Date/time when carrier estimates that a means of transport should arrive at the port of discharge or place of destination.
		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.	
		203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

Segment: MEA Measurements
Position: 0050
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 5
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.
Syntax Notes:
Semantic Notes:
Comments:

Notes: A minimum of two iterations of the MEA are required to indicate number of lading units and the weight of the shipment:

MEA+AA+SQ+C62:6'
 MEA+AA+G+LBR:500'

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
		AAX	Consignment measurement Measurement related to a consignment; to be specified by the measurement code dimension value.	
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
		6313	Property measured, coded Specification of the property measured.	C an..3
		G	Gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment.	
		N	Actual net weight	
		SQ	Shipped quantity	
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	M an..3
		Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	
		See UN/ECE Trade Recommendation 20. GM will accept the following: KGM- kilograms LBR - pounds STN - ton C62 - pieces	
>>	6314	Measurement value	C an..18
		Value of the measured unit.	
X	6162	Range minimum	C n..18
		Minimum of a range.	
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.	

Group: **RFF** Segment Group 1: Reference
Position: 0070
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose:

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	0080	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0080 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To specify a reference.
Syntax Notes:
Semantic Notes:
Comments:
Notes: RFF+CN:12345678A'
RFF+PK:123456789'

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.	
		AAO Consignee's shipment reference number [1362] Reference assigned by the consignee to a shipment.	
		AWB Air waybill number Reference number assigned to an air waybill, see: 1001 = 740.	
		BM Bill of lading number Reference number assigned to a bill of lading, see: 1001 = 705.	
		CN Carrier's reference number Reference number assigned by carrier to a consignment.	
		CR Customer reference number Reference number assigned by the customer to a transaction.	
		FN Freight bill number Reference number assigned by issuing party to a freight bill.	
		MB Master bill of lading number Reference number assigned to a master bill of lading, see: 1001 = 704.	
		PK Packing list number (1014) Reference number assigned to a packing list, see: 1001 = 271.	
		TN Transaction reference number Reference applied to a transaction between two or more parties over a defined life cycle; e.g. number applied by importer or broker to obtain release from Customs, may then used to control declaration through final accounting (synonyms: declaration, entry number).	
	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.

Group: **NAD** Segment Group 2: Name and Address
Position: 0100
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose:

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0110	NAD	Name and Address	M	1	
	0120	LOC	Place/Location Identification	C	10	

Segment: **NAD** Name and Address
Position: 0110 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.

Syntax Notes:
Semantic Notes:
Comments:

Notes:
NAD+MI+987654321::16'
NAD+ST+47095::92'
NAD+SU+876543210::16++ABC COMPANY'
NAD+UD+55044::88++XYZ MOTORS+1234 MAIN ST+RENO+NV+75008'

Data Element Summary

Data Element	Component Element	Name	Attributes
>>	3035	PARTY QUALIFIER	M an..3
		Code giving specific meaning to a party.	
		Codes MI, ST, and SU codes are mandatory. If the supplier (SU) location and ship from (SF) location are not identical, a fourth iteration of the NAD segment using code SF is mandatory.	
		MI Planning schedule/material release issuer	
		OB Ordered by Party who issued an order.	
		SF Ship from Identification of the party from where goods will be or have been shipped. Required when different from SU and was transmitted in the DELFOR and/or DELJIT.	
		ST Ship to Identification of the party to where goods will be or have been shipped.	
		SU Supplier (3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade.	
		UD Ultimate customer The final recipient of goods. Used to indicate ultimate Ship Direct destination. Must be used if received in DELFOR and/or DELJIT.	
>>	C082	PARTY IDENTIFICATION DETAILS	C
		Identification of a transaction party by code.	
>>	3039	Party id. identification	M an..35
		Code identifying a party involved in a transaction.	
X	1131	Code list qualifier	C an..3
		Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	
	3055	Code list responsible agency, coded	C an..3

Code identifying the agency responsible for a code list.

16	DUNS (Dun & Bradstreet)
88	Assigned by owner of operation Assigned by owner of operation (e.g. used in construction). Used for DEALER codes ONLY.
92	Assigned by buyer or buyer's agent

C058	NAME AND ADDRESS	C
	Unstructured name and address: one to five lines.	
>>	3124 Name and address line	M an..35
	Free form name and address description.	
	3124 Name and address line	C an..35
	Free form name and address description.	
	3124 Name and address line	C an..35
	Free form name and address description.	
	3124 Name and address line	C an..35
	Free form name and address description.	
	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.	
	3036 Party name	C an..35
	Name of a party involved in a transaction.	
	3036 Party name	C an..35
	Name of a party involved in a transaction.	
	3036 Party name	C an..35
	Name of a party involved in a transaction.	
	3036 Party name	C an..35
	Name of a party involved in a transaction.	
	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.	
C059	STREET	C
	Street address and/or PO Box number in a structured address: one to three lines.	
>>	3042 Street and number/p.o. box	M an..35
	Street and number in plain language, or Post Office Box No.	
	3042 Street and number/p.o. box	C an..35
	Street and number in plain language, or Post Office Box No.	
	3042 Street and number/p.o. box	C an..35
	Street and number in plain language, or Post Office Box No.	
	3042 Street and number/p.o. box	C an..35
	Street and number in plain language, or Post Office Box No.	
3164	CITY NAME	C an..35
	Name of a city (a town, a village) for addressing purposes.	
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9

3251	Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	C an..9
	POSTCODE IDENTIFICATION	
	Code defining postal zones or addresses.	
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: 0120
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: To identify a country/place/location/related location one/related location two.
Syntax Notes:
Semantic Notes:
Comments:
Notes: LOC+11+DOCK3'

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. Dock code	
>>	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. 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	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.	

Group: **TDT** Segment Group 6: Details of Transport
Position: 0230
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose:

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	0240	TDT	Details of Transport	M	1	

Segment: **TDT** Details of Transport
Position: 0240 (Trigger Segment)
Group: Segment Group 6 (Details of Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

TDT+12+11A+C++WXYZ::182'

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
		12	At departure	
			Transport by which goods are moved from the place of departure.	
		25	Delivery carrier all transport	
			Carrier responsible from the point of origin to the final delivery destination.	
	8028		CONVEYANCE REFERENCE NUMBER Unique reference given by the carrier to a certain journey or departure of a means of transport (generic term). Route number	C an..17
>>	C220		MODE OF TRANSPORT Method of transport code or name. Code preferred.	C
		8067	Mode of transport, coded Coded method of transport used for the carriage of the goods. Use codes from X12 Data Element 91	C an..3
X		8066	Mode of transport Method of transport used for the carriage of the goods.	C an..17
X	C228		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C
X		8179	Type of means of transport identification Code defining the type of the means of transport being utilized. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..8
X		8178	Type of means of transport Description of the type of the means of transport being utilized.	C an..17
>>	C040		CARRIER Identification of a carrier by code and/or by name. Code preferred.	C
>>		3127	Carrier identification Identification of party undertaking or arranging transport of goods between named points. The Standard Carrier Alpha Code (SCAC) or the General Motors assigned code.	C an..17
X		1131	Code list qualifier Identification of a code list.	C an..3

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

	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		92 Assigned by buyer or buyer's agent	
		182 US, Standard Carrier Alpha Code (Motor) Organisation maintaining the SCAC lists and transportation operating in North America.	
	3128	Carrier name	C an..35
		Name of party undertaking or arranging transport of goods between named points.	
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.	
	C401	EXCESS TRANSPORTATION INFORMATION	C
		To provide details of reason for, and responsibility for, use of transportation other than normally utilized.	
>>	8457	Excess transportation reason, coded	M an..3
		Indication of reason for excess transportation.	
		A Special rail car order, schedule increase forecast change	
		B Engineering change or late release	
		C Specification (schedule) error/overbuilding	
		D Shipment tracing delay	
		E Plant inventory loss	
		F Building ahead of schedule	
		G Vendor behind schedule	
		H Failed to include in last shipment	
		I Carrier loss claim	
		J Transportation failure	
		K Insufficient weight for carload	
		L Reject or discrepancy (material rejected in prior shipment)	
		M Transportation delay	
		N Lack of railcar or railroad equipment	
		P Releasing error	
		R Record error or cate reported discrepancy report	
		T Common or peculiar part schedule increase	
		U Alternative supplier shipping for responsible supplier	
		V Direct schedule or locally controlled	
		W Purchasing waiver approval	
		X Authorization code to be determined	
		Y Pilot material	
>>	8459	Excess transportation responsibility, coded	M an..3
		Indication of responsibility for excess transportation.	
		A Customer plant (receiving location)	
		B Material release issuer	
		S Supplier authority	
		X Responsibility to be determined	
	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: **EQD** Segment Group 8: Equipment Details
Position: 0290
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose:

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	0300	EQD	Equipment Details	M	1	
	0320	SEL	Seal Number	C	25	

Segment: **EQD** Equipment Details
Position: 0300 (Trigger Segment)
Group: Segment Group 8 (Equipment Details) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify a unit of equipment.
Syntax Notes:
Semantic Notes:
Comments:
Notes: EQD+CN+A978+23'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	8053		EQUIPMENT QUALIFIER Code identifying type of equipment.	M an..3
		CN	Container Equipment item as defined by ISO for transport. It must be of: A) permanent character, strong enough for repeated use; B) designed to facilitate the carriage of goods, by one or more modes of transport, without intermediate reloading; C) fitted with devices for its ready handling, particularly.	
		RR	Rail car [8320] Registered identification number of railway wagon (CIM 19).	
		TE	Trailer A vehicle without motive power, designed for the carriage of cargo and to be towed by a motor vehicle.	
	C237		EQUIPMENT IDENTIFICATION Marks (letters and/or numbers) identifying equipment used for transport such as a container.	C
		8260	Equipment identification number Marks (letters and/or numbers) which identify equipment e.g. unit load device. Used to identify equipment number, such as railcar or trailer number including initials.	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		3207	Country, coded Identification of the name of a country or other geographical entity as specified in ISO 3166.	C an..3
	C224		EQUIPMENT SIZE AND TYPE Code and/or name identifying size and type of equipment used in transport. Code preferred.	C
		8155	Equipment size and type identification Coded description of the size and type of equipment e.g. unit load device.	C an..10
		21	Container IC 20 ft.	
		22	Container IC 30 ft.	

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	8154	Equipment size and type	C an..35
		Plain language description of the size and type of equipment e.g. unit load device.	
X	8077	EQUIPMENT SUPPLIER, CODED	C an..3
		To indicate the party that is the supplier of the equipment. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	8249	EQUIPMENT STATUS, CODED	C an..3
		Indication of the action related to the equipment. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	8169	FULL/EMPTY INDICATOR, CODED	C an..3
		To indicate the extent to which the equipment is full or empty. Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **SEL** Seal Number
Position: 0320
Group: Segment Group 8 (Equipment Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 25
Purpose: To specify a seal number related to equipment.
Syntax Notes:
Semantic Notes:
Comments:
Notes: SEL+6188AB'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	9308		SEAL NUMBER	M an..10
			The number of a custom seal or another seal affixed to the containers or other transport unit.	
			Seal number to be transmitted here.	
X	C215		SEAL ISSUER	C
			Identification of the issuer of a seal on equipment either by code or by name.	
X		9303	Sealing party, coded	C an..3
			Identification of the issuer of the seal 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.	
X		9302	Sealing party	C an..35
			Clear text, representing the name of the issuer of the seal number.	
X	4517		SEAL CONDITION, CODED	C an..3
			To indicate the condition of a seal.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	

Detail

Group: **CPS** Segment Group 10: Consignment Packing Sequence
Position: 0370
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9999
Purpose:

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	0380	CPS	Consignment Packing Sequence	M	1	
	0400		Segment Group 11: Package	C		9999
	0550		Segment Group 15: Line Item	C		9999

Segment: **CPS** Consignment Packing Sequence
Position: 0380 (Trigger Segment)
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.

Syntax Notes:

Semantic Notes:

Comments:

Notes: CPS+1++4'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> 7164		HIERARCHICAL ID. NUMBER	M an..12
		A unique number assigned by the sender to identify a level within a hierarchical structure. Begins with the number 1 and increments by one for each occurrence within the message. Numbers are not to be repeated within the same message.	
7166		HIERARCHICAL PARENT ID.	C an..12
		Identification number of the next higher hierarchical data segment in a hierarchical structure.	
7075		PACKAGING LEVEL, CODED	C an..3
		Indication of level of packaging specified.	
	1	Inner	
		Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level.	
	2	Intermediate	
		Level of packing, if it exists, that is immediately subordinate to the outer packaging level.	
	3	Outer	
		For packed merchandise, outermost level of packaging for a shipment.	
	4	No packaging hierarchy	
		There is no specifiable level of packaging: packaging is inner and outer level as well.	

Group: **PAC** Segment Group 11: Package
Position: 0400
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose:

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0410	PAC	Package	M	1	
	0430	QTY	Quantity	C	10	
	0470		Segment Group 13: Package Identification	C		1000

Segment: PAC Package
Position: 0410 (Trigger Segment)
Group: Segment Group 11 (Package) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: To describe the number and type of packages/physical units.
Syntax Notes:
Semantic Notes:
Comments:
Notes: PAC+40+::9+5131::92'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
		NUMBER OF PACKAGES	C n..8
		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.	
	C531	PACKAGING DETAILS	C
		Packaging level and details, terms and conditions.	
X	7075	Packaging level, coded	C an..3
		Indication of level of packaging specified.	
X	7233	Packaging related information, coded	C an..3
		Code giving packaging, handling and marking related information. Refer to D.97A Data Element Dictionary for acceptable code values.	
	7073	Packaging terms and conditions, coded	C an..3
		Code identifying packaging terms and conditions. Used to describe type of container.	
		5 Carrier's durable	
		7 Seller's durable	
		8 Seller's expendable	
		9 Special purpose buyer's durable	
		Reusable packaging specifically designed for packaging of the referenced item and owned by the buyer.	
		10 Special purpose buyer's expendable	
		Disposable packaging specifically designed for packaging of the referenced item.	
	C202	PACKAGE TYPE	C
		Type of package by name or by code from a specified source.	
	7065	Type of packages identification	C an..17
		Coded description of the form in which goods are presented. Identification of container.	
X	1131	Code list qualifier	C an..3
		Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		87 Assigned by carrier	
		Codes assigned by the carrier.	
		91 Assigned by seller or seller's agent	
		92 Assigned by buyer or buyer's agent	

X		7064	Type of packages	C	an..35
			Description of the form in which goods are presented.		
X	C402		PACKAGE TYPE IDENTIFICATION	C	
			Identification of the form in which goods are described.		
X		7077	Item description type, coded	M	an..3
			Code indicating the format of a description.		
			Refer to D.97A Data Element Dictionary for acceptable code values.		
X		7064	Type of packages	M	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		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: 0430
Group: Segment Group 11 (Package) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: To specify a pertinent quantity.
Syntax Notes:
Semantic Notes:
Comments:
Notes: QTY+52:50'

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
			11 Split quantity	
			Part of the whole quantity.	
			52 Quantity per pack	
>>		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. This must be the same Unit of Measure provided on the corresponding shipment authorization document.	C an..3

Group: **PCI** Segment Group 13: Package Identification
Position: 0470
Group: Segment Group 11 (Package) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1000
Purpose:

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0480	PCI	Package Identification	M	1	
	0490	RFF	Reference	C	1	
	0510	GIR	Related Identification Numbers	C	99	

Segment: **PCI** Package Identification
Position: 0480 (Trigger Segment)
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: To specify markings and labels on individual packages or physical units.
Syntax Notes:
Semantic Notes:
Comments:
Notes: PCI+16'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
	4233		MARKING INSTRUCTIONS, CODED Code indicating instructions on how specified packages or physical units should be marked.	C an..3
		16	Buyer's instructions Markings as specified by the buyer.	
X	C210		MARKS & LABELS Shipping marks on packages in free text; one to ten lines.	C
X		7102	Shipping marks Marks and numbers identifying individual packages.	M an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X	8275		CONTAINER/PACKAGE STATUS, CODED Code to identify whether goods of separate description or comprising separate consignments are contained in the same external packaging or to indicate that a container or similar unit load device is empty. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	C827		TYPE OF MARKING Specification of the type of marking that reflects the method that was used and the conventions adhered to for marking (e.g. of packages).	C
X		7511	Type of marking, coded	M an..3

		To specify the type of marking that reflects the method and the conventions adhered to for marking.	
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: **RFF** Reference
Position: 0490
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: To specify a reference.
Syntax Notes:
Semantic Notes:
Comments:
Notes: RFF+CW:5678'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C506		REFERENCE Identification of a reference.	M
>>		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number.	M an..3
			CN Carrier's reference number Reference number assigned by carrier to a consignment. The identification used by the carrier to track a package. This Data Element will only be used when CPS Data Element 7075 indicates code 3 or 4.	
			CW Package number (7070) Reference number identifying a package or carton within a consignment. This Data Element will only be used when CPS Data Element 7075 indicates code 1 or 3.	
			SN Seal number [9308] Identification number on Customs or other seals affixed to containers or other transport units.	
		1154	Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35
X		1156	Line number Number of the line in the document/message referenced in 1154 Reference number.	C an..6
X		4000	Reference version number To uniquely identify a reference by its revision number.	C an..35

Segment: **GIR** Related Identification Numbers
Position: 0510
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 99
Purpose: To specify a related set of identification numbers.
Syntax Notes:
Semantic Notes:
Comments:
Notes: GM will accept one iteration of the GIR for each package.

GIR+3+S00003:AL+1234570:AW'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	7297		SET IDENTIFICATION QUALIFIER Identification of the type of set.	M an..3
		3	Package Related numbers identifying a package such as a bar code label number related to a kanban card number, etc.	
>>	C206		IDENTIFICATION NUMBER The identification of an object.	M
>>		7402	Identity number The number given to an object for its unique identification.	M an..35
		7405	Identity number qualifier Code specifying the type/source of identity number.	C an..3
		AL	Kanban card number	
			Reference number assigned by a consignee to a Kanban card.	
		AW	Serial shipping container code A single unique serial number which identifies shipping containers or shipping packages.	
X		4405	Status, coded Provides information regarding a status. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
	C206		IDENTIFICATION NUMBER The identification of an object.	C
>>		7402	Identity number The number given to an object for its unique identification.	M an..35
		7405	Identity number qualifier Code specifying the type/source of identity number. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		4405	Status, coded Provides information regarding a status. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
	C206		IDENTIFICATION NUMBER The identification of an object.	C
>>		7402	Identity number	M an..35

			The number given to an object for its unique identification.	
		7405	Identity number qualifier	C an..3
			Code specifying the type/source of identity number.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		4405	Status, coded	C an..3
			Provides information regarding a status.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C206		IDENTIFICATION NUMBER	C
			The identification of an object.	
>>		7402	Identity number	M an..35
			The number given to an object for its unique identification.	
		7405	Identity number qualifier	C an..3
			Code specifying the type/source of identity number.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		4405	Status, coded	C an..3
			Provides information regarding a status.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
	C206		IDENTIFICATION NUMBER	C
			The identification of an object.	
>>		7402	Identity number	M an..35
			The number given to an object for its unique identification.	
		7405	Identity number qualifier	C an..3
			Code specifying the type/source of identity number.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	
X		4405	Status, coded	C an..3
			Provides information regarding a status.	
			Refer to D.97A Data Element Dictionary for acceptable code values.	

Group: **LIN** Segment Group 15: Line Item
Position: 0550
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Must Use)
Max Use: 9999
Purpose:

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0560	LIN	Line Item	M	1	
	0570	PIA	Additional Product Id	C	10	
	0580	IMD	Item Description	C	25	
	0600	QTY	Quantity	C	10	
	0610	ALI	Additional Information	C	10	
	0670	TDT	Details of Transport	C	1	
	0710		Segment Group 16: Reference	C		99
	0880		Segment Group 20: Package Identification	C		9999

Segment: **LIN** Line Item
Position: 0560 (Trigger Segment)
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: To identify a line item and configuration.
Syntax Notes:
Semantic Notes:
Comments:
Notes: LIN+++10243389:IN'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
	1082		LINE ITEM NUMBER Serial number designating each separate item within a series of articles. May be used for Ship Direct Orders.	C an..6
X	1229		ACTION REQUEST/NOTIFICATION, CODED Code specifying the action to be taken or already taken. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
>>	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
>>		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. IN Buyer's item number	C an..3
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	C829		SUB-LINE INFORMATION 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.	C
X		5495	Sub-line indicator, coded 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.	C an..3
X		1082	Line item number Serial number designating each separate item within a series of articles.	C an..6
	1222		CONFIGURATION LEVEL Number indicating the level of an object which is in a hierarchy.	C n..2
X	7083		CONFIGURATION, CODED Code indicating the status of the sub-line item in the configuration. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3

Segment: **PIA** Additional Product Id
Position: 0570
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: To specify additional or substitutional item identification codes.
Syntax Notes:
Semantic Notes:
Comments:

Notes: At least one iteration of the PIA Composite C212 Data Elements 7140 and 7143 must provide either RY or EC.

PIA+1+1997:RY+A:EC'

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
		EC	Engineering change level Reference number indicating that a change or revision has been applied to an article's specification.	
		RY	Record keeping of model year	
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
	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
		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. See above.	C an..3
			Refer to D.97A Data Element Dictionary for acceptable code values.	
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	C an..3
			Code identifying the agency responsible for a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
X		7140	Item number	C an..35
			A number allocated to a group or item.	
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		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	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
X		7140	Item number	C an..35
			A number allocated to a group or item.	
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		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	C212		ITEM NUMBER IDENTIFICATION	C
			Goods identification for a specified source.	
X		7140	Item number	C an..35
			A number allocated to a group or item.	
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		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: 0580
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 25
Purpose: To describe an item in either an industry or free format.
Syntax Notes:
Semantic Notes:
Comments:
Notes: IMD++++:::WIDGET'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
X	7077		ITEM DESCRIPTION TYPE, CODED Code indicating the format of a description. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	7081		ITEM CHARACTERISTIC, CODED Code specifying the item characteristic being described. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
	C273		ITEM DESCRIPTION Description of an item.	C
X		7009	Item description identification Code from an industry code list which provides specific data about a product characteristic.	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
		7008	Item description Plain language description of articles or products.	C an..35
		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 Code indicating the surface or layer of a product that is being described. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3

Segment: QTY Quantity
Position: 0600
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: To specify a pertinent quantity.
Syntax Notes:
Semantic Notes:
Comments:
Notes: QTY+12:200'

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. 3 Cumulative quantity 12 Despatch quantity Quantity despatched by the seller.	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. This must be the same Unit of Measure provided on the corresponding shipment authorization document.	C an..3

Segment: **ALI** Additional Information
Position: 0610
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: To indicate that special conditions due to the origin, customs preference, fiscal or commercial factors are applicable.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

ALI+CA'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
	3239		COUNTRY OF ORIGIN, CODED	C an..3
			Country in which the goods have been produced or manufactured, according to criteria laid down for the purposes of application of the Customs tariff, of quantitative restrictions, or of any other measure related to trade. Refer to International Standard ISO 3166 "ISO ALPHA-2 Country Code" list.	
X	9213		TYPE OF DUTY REGIME, CODED	C an..3
			Identification of the statement of the full/preferential regime according to which duty is assessed. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	4183		SPECIAL CONDITIONS, CODED	C an..3
			Indication of a specific condition. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	4183		SPECIAL CONDITIONS, CODED	C an..3
			Indication of a specific condition. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	4183		SPECIAL CONDITIONS, CODED	C an..3
			Indication of a specific condition. Refer to D.97A Data Element Dictionary for acceptable code values.	
X	4183		SPECIAL CONDITIONS, CODED	C an..3
			Indication of a specific condition. Refer to D.97A Data Element Dictionary for acceptable code values.	

Segment: **TDT** Details of Transport
Position: 0670
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

Syntax Notes:
Semantic Notes:
Comments:
Notes:

TDT+25+++++G:S:E1111'

Data Element Summary

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

		points.	
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.	
	C401	EXCESS TRANSPORTATION INFORMATION	C
		To provide details of reason for, and responsibility for, use of transportation other than normally utilized.	
>>	8457	Excess transportation reason, coded	M an..3
		Indication of reason for excess transportation.	
		A Special rail car order, schedule increase forecast change	
		B Engineering change or late release	
		C Specification (schedule) error/overbuilding	
		D Shipment tracing delay	
		E Plant inventory loss	
		F Building ahead of schedule	
		G Vendor behind schedule	
		H Failed to include in last shipment	
		I Carrier loss claim	
		J Transportation failure	
		K Insufficient weight for carload	
		L Reject or discrepancy (material rejected in prior shipment)	
		M Transportation delay	
		N Lack of railcar or railroad equipment	
		P Releasing error	
		R Record error or cate reported discrepancy report	
		T Common or peculiar part schedule increase	
		U Alternative supplier shipping for responsible supplier	
		V Direct schedule or locally controlled	
		W Purchasing waiver approval	
		X Authorization code to be determined	
		Y Pilot material	
>>	8459	Excess transportation responsibility, coded	M an..3
		Indication of responsibility for excess transportation.	
		A Customer plant (receiving location)	
		B Material release issuer	
		S Supplier authority	
		X Responsibility to be determined	
	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: **RFF** Segment Group 16: Reference
Position: 0710
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Required)
Max Use: 99
Purpose:

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	0720	RFF	Reference	M	1	
	0730	NAD	Name and Address	C	1	
	0750	DTM	Date/Time/Period	C	1	

Segment: **RFF** Reference
Position: 0720 (Trigger Segment)
Group: Segment Group 16 (Reference) Conditional (Required)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: To specify a reference.
Syntax Notes:
Semantic Notes:
Comments:
Notes: One iteration of Segment Group 16 is required to convey purchase order information.
RFF+ON:9TK52'
RFF+CN:12345678B'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C506		REFERENCE Identification of a reference.	M
>>	1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number.	M an..3
	AAO	Consignee's shipment reference number [1362] Reference assigned by the consignee to a shipment. For Consolidated International Shipments only.	
	AWB	Air waybill number Reference number assigned to an air waybill, see: 1001 = 740. For Consolidated International Shipments only.	
	BM	Bill of lading number Reference number assigned to a bill of lading, see: 1001 = 705. For Consolidated International Shipments only.	
	CN	Carrier's reference number Reference number assigned by carrier to a consignment.	
	CR	Customer reference number Reference number assigned by the customer to a transaction. For Consolidated International Shipments only.	
	FN	Freight bill number Reference number assigned by issuing party to a freight bill. For Consolidated International Shipments only.	
	MB	Master bill of lading number Reference number assigned to a master bill of lading, see: 1001 = 704. For Consolidated International Shipments only.	
	ON	Order number (purchase) [1022] Reference number assigned by the buyer to an order. THIS PURCHASE ORDER DATA IS REQUIRED FOR EVERY LINE ITEM.	

PK Packing list number
 (1014) Reference number assigned to a packing list, see:
 1001 = 271.
 For Consolidated International Shipments only.

SI SID (Shipper's identifying number for shipment)
 Description to be provided.
 For Consolidated International Shipments only.

	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: **NAD** Name and Address
Position: 0730
Group: Segment Group 16 (Reference) Conditional (Required)
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.

Syntax Notes:
Semantic Notes:
Comments:

Notes: To be used for Consolidated International Shipments only to identify the original shipper.
 NAD+SU+123456789::16'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		PARTY QUALIFIER	M an..3
			Code giving specific meaning to a party.	
			If both SU and SF are provided in the original message, only the SF is required in this segment.	
		SF	Ship from Identification of the party from where goods will be or have been shipped.	
		SU	Supplier (3280) Party which manufactures or otherwise has possession of goods, and consigns or makes them available in trade.	
>>	C082		PARTY IDENTIFICATION DETAILS	C
			Identification of a transaction party by code.	
>>		3039	Party id. identification	M an..35
			Code identifying a party involved in a transaction.	
		1131	Code list qualifier	C an..3
			Identification of a code list. Refer to D.97A Data Element Dictionary for acceptable code values.	
		3055	Code list responsible agency, coded	C an..3
			Code identifying the agency responsible for a code list.	
		16	DUNS (Dun & Bradstreet)	
		92	Assigned by buyer or buyer's agent	
	C058		NAME AND ADDRESS	C
			Unstructured name and address: one to five lines.	
>>		3124	Name and address line	M an..35
			Free form name and address description.	
		3124	Name and address line	C an..35
			Free form name and address description.	
		3124	Name and address line	C an..35
			Free form name and address description.	
		3124	Name and address line	C an..35
			Free form name and address description.	
		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.	
	3036	Party name	C an..35
		Name of a party involved in a transaction.	
	3036	Party name	C an..35
		Name of a party involved in a transaction.	
	3036	Party name	C an..35
		Name of a party involved in a transaction.	
	3036	Party name	C an..35
		Name of a party involved in a transaction.	
	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.	
	C059	STREET	C
		Street address and/or PO Box number in a structured address: one to three lines.	
>>	3042	Street and number/p.o. box	M an..35
		Street and number in plain language, or Post Office Box No.	
	3042	Street and number/p.o. box	C an..35
		Street and number in plain language, or Post Office Box No.	
	3042	Street and number/p.o. box	C an..35
		Street and number in plain language, or Post Office Box No.	
	3042	Street and number/p.o. box	C an..35
		Street and number in plain language, or Post Office Box No.	
	3164	CITY NAME	C an..35
		Name of a city (a town, a village) for addressing purposes.	
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9
		Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	
	3251	POSTCODE IDENTIFICATION	C an..9
		Code defining postal zones or addresses.	
	3207	COUNTRY, CODED	C an..3
		Identification of the name of a country or other geographical entity as specified in ISO 3166.	

Segment: **DTM** Date/Time/Period
Position: 0750
Group: Segment Group 16 (Reference) Conditional (Required)
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: To specify date, and/or time, or period.
Syntax Notes:
Semantic Notes:
Comments:
Notes: Used for Consolidated International Shipments only.

DTM+11:199712251153:203'

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.	
>>	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.	
		203 CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	

Group: **PCI** Segment Group 20: Package Identification
Position: 0880
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 9999
Purpose:
Notes: Segment Group 20 is used exclusively to describe raw material specifications.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0890	PCI	Package Identification	M	1	
	0910	MEA	Measurements	C	10	
	0920	QTY	Quantity	C	1	
	0930		Segment Group 21: Goods Identity Number	C		10

Segment: **PCI** Package Identification
Position: 0890 (Trigger Segment)
Group: Segment Group 20 (Package Identification) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: To specify markings and labels on individual packages or physical units.
Syntax Notes:
Semantic Notes:
Comments:
Notes: PCI+15+12345'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
4233		MARKING INSTRUCTIONS, CODED Code indicating instructions on how specified packages or physical units should be marked.	C an..3
	15	Mark supplier number This must be the Barcoded Serial Number when sending PRIMARY METAL information.	
	C210	MARKS & LABELS Shipping marks on packages in free text; one to ten lines.	C
>>	7102	Shipping marks Marks and numbers identifying individual packages.	M an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
	7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X	8275	CONTAINER/PACKAGE STATUS, CODED Code to identify whether goods of separate description or comprising separate consignments are contained in the same external packaging or to indicate that a container or similar unit load device is empty. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X	C827	TYPE OF MARKING Specification of the type of marking that reflects the method that was used and	C

X	7511	the conventions adhered to for marking (e.g. of packages). Type of marking, coded	M an..3
		To specify the type of marking that reflects the method and the conventions adhered to for marking.	
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: MEA Measurements
Position: 0910
Group: Segment Group 20 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 10
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.
Syntax Notes:
Semantic Notes:
Comments:
Notes: MEA+PD+WT+LBR:6'

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.	
		WT	Weight [6150] Numeric value of weight.	
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: QTY Quantity
Position: 0920
Group: Segment Group 20 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 1
Purpose: To specify a pertinent quantity.
Syntax Notes:
Semantic Notes:
Comments:
Notes: QTY+12:3'

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
			12 Despatch quantity Quantity despatched by the seller.	
>>		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.	C an..3
			This must be the same Unit of Measure provided on the corresponding shipment authorization document.	

Group: **GIN** Segment Group 21: Goods Identity Number
Position: 0930
Group: Segment Group 20 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 10
Purpose:
Notes: For Primary Metals

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	0940	GIN	Goods Identity Number	M	1	

Segment: **GIN** Goods Identity Number
Position: 0940 (Trigger Segment)
Group: Segment Group 21 (Goods Identity Number) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: To give specific identification numbers, either as single numbers or ranges.
Syntax Notes:
Semantic Notes:
Comments:
Notes: GIN+BX+BC123HV4579X'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	7405	IDENTITY NUMBER QUALIFIER Code specifying the type/source of identity number. BX Batch number Unique number affixed by manufacturer to a batch of products produced under similar conditions.	M an..3
>>	C208	IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	M
>>	7402	Identity number The number given to an object for its unique identification.	M an..35
	7402	Identity number The number given to an object for its unique identification.	C an..35
	C208	IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C
>>	7402	Identity number The number given to an object for its unique identification.	M an..35
	7402	Identity number The number given to an object for its unique identification.	C an..35
	C208	IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C
>>	7402	Identity number The number given to an object for its unique identification.	M an..35
	7402	Identity number The number given to an object for its unique identification.	C an..35
	C208	IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C
>>	7402	Identity number The number given to an object for its unique identification.	M an..35
	7402	Identity number The number given to an object for its unique identification.	C an..35
	C208	IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C
>>	7402	Identity number	M an..35

The number given to an object for its unique identification.

7402 Identity number C an..35

The number given to an object for its unique identification.

Summary

Segment: **UNT** Message Trailer
Position: 1040
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of a Message
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNT+188+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

DESADV EXAMPLE

UNH+1+DESADV:D:97A:UN'
BGM+351+123456789+9'
DTM+137:199712251156:203'
DTM+11+199712251153:203'
MEA+AAX+SQ+C62:6'
RFF+CN:12345678A'
RFF+PK:123456789'
NAD+MI+987654321::16'
NAD+ST+4095::92'
LOC+11+DOCK3'
NAD+SU+876543210::16++ABC COMPANY'
TDT+12+11A+C++WXYZ::182'
EQD+CN+A978+23'
SEL+6188AB'
CPS+1++4'
PAC+40+::9+5131::92'
QTY+52:50'
PCI+16'
RFF+CW:5678'
GIR+3+S00003:AL+12345670'
LIN+++10243389:IN'
PIA+1+1997:RY+A:EC'
IMD+++::WIDGET'
QTY+12:2000'
ALI+CA'
TDT+25+++++G:S:E1111'
RFF+ON:9TK52'
RFF+CN:12345678B'
CPS+2++4'
PAC+20+::9+5131::92'
QTY+52:30'
PCI+16'
RFF+CW:1234'
GIR+3+S00004:AL+12345671'
LIN+++9894234:IN'
IMD+++::WASHER'
QTY+12:600'
ALI+CA'
TDT+25+++++G:S:E1112'
RFF+ON:9TK80'
UNT+42+1'

DESADV Guideline Change Log

Item Number	Segment Group	Segment	Composite Code	Component	Code Values	Detail of Change
98.1.1	SG21					Allowed for optional usage of Segment Group 21 for accommodate business requirements for raw materials
98.2.1	SG15					Changed documentation to reflect that SG15 is a required segment group
98.2.2	SG16	RFF	C506	1153	TN	Removed Code Value 'TN'
98.2.3	SG15	LIN	1222			Added Simple Data Element 1222 to the LIN in SG15. This information is obtained from the Ship Direct DELJIT Message authorizing shipment.
98.2.4	0050	MEA	C174	6411	KGM	Changed Recommendation 20 abbreviations for Kilograms from KD to KGM