

SUL

**Despatch Advice Message
Implementation Guideline**

(Based on the EANCOM 2002 Guideline using UN/EDIFACT Directory D.01B)

For

DSD and DC Delivery model

V1.4



1. Contacts

The principal contact with regard to the contents of this document is:

John Hill
Data Process Manager
Supercheap Auto Group
Business: +61 (0)7 34827500
Direct: +61 (0)7 34827571
Email: johnh@supercheapauto.com



2. Disclaimer

Every possible effort has been made to ensure that the information and specifications in this document are correct, however GS1 Australia and **SUL** expressly disclaim liability for any errors. In addition, no warranty or representation is made that this document will not require modification due to developments in new business practice, technology, changes, omissions or additions.

3. Change Control

MIG Version	Section Modified	Nature of Change/Comments	Source/reason for change	
V1.4	Total Document	Changed reference to SCAG, Super Cheap Auto group to SUL		
		Added Goldcross logo		
V1.3	Section 4 – Detail	Adjusted structure of data to clarify the use and structure of the DESADV message	Clarity	
	Section 7	Minor correction to code usage as specified in MIG	Correction	
	DTM (0030)	Adjusted segment and code notes to remove reference to “time” and to clarify the required content for the segment	VB request	
	PAC (0440)	In segment note adjusted wording to note that the sample messages are examples of, not clarification of, the segment	Clarity	
	MEA (0450)	In DE 6411, added codes “MTR” and “NAR”	In DE 6314, added note referring to precision of value (3 decimal places)	JH request
			In DE 6314, added note referring to precision of value (3 decimal places)	JH request
	IMD (0680)	Changed status of DE 7077 to “R”	Correction	
	MEA (0690)	In DE 6411, added codes “MTR”	In DE 6314, added note referring to precision of value (3 decimal places)	JH request
			In DE 6314, added note referring to precision of value (3 decimal places)	JH request
	QTY (0700)	In DE 6060, added note referring to precision of value (3 decimal places)	JH request	
PCI (1010)	Changed status of DE 4233 to “R”	Correction		
V1.2	Section 4	Updates to Data Content and Structure table to reflect MIG, reworked Detail Section of table to better describe structure and usage	Clarity	
	Section 6	Refined Implementation Notes	JH request	
	Section 7	Updated examples to align with MIG	Corrections	
	CPS (0400)	Adjusted segment note	In DE 7075, added codes 1 and 3	JH request
			In DE 7075, added codes 1 and 3	JH request
	PAC (0440)	Adjusted segment note and added extra example	Clarity	
RFF (0840)	Status of DE 1156 changed to R	Line number required		
V1.1	Section 4	Corrected order of segments		
		Note on authoritative information included		
	Section 7	Note on authoritative information included		
V1.0	-	First published version	-	

4. Summary: Data Content and Structure

This section contains an overview of the content and structure of the Despatch Advice message as an aid to understanding. It should be noted that while this is indicative of the content and structure of a Despatch Advice message, the detailed implementation guideline that forms the majority of the document is the only authoritative source of content and structure. In the event of a discrepancy between the information in this section and the information in the detailed implementation guideline, the detailed implementation guideline should prevail.

The Despatch Advice header data is shown in the table below.

The detail section of the Despatch Advice, which is shown in the table on the following page contains the more complex structure that is required to describe the shipment hierarchy.

HEADER SECTION				
Segment	Element	Format	Usage	Field Name / Description
UNH				<i>Message header</i>
BGM	1001 1004 1225	Code list an..15 Code list	R R R	<i>Despatch Advice type</i> (normal, i.e. not cross dock) <i>Despatch Advice Number</i> (Restricted to 15 Characters) <i>Despatch Advice function</i> (original, or duplicate)
DTM	2380 2380 2380	date date date	R R O	<i>Message date</i> <i>Despatch date</i> <i>Estimated delivery date</i>
ALI	4183	Code list	D	2 flags; <i>Partial & Complete or Partial only</i> as against the referenced order – Must be used here if PO reference is sent in Header RFF segment and this is a partial shipment against that order.
RFF	1154	an..70	O	<i>Carrier (consignment note) number</i> <i>Serial Shipping Container Code</i>
NAD	3039 3036 3042 3164. 3229 3228 3251 3207 3039 3036 3042 3164. 3229 3228 3251 3207 3039 3036 3042 3164. 3229 3228 3251 3207	an..35 an..35 x 2 an..35 x 2 an..35 an..9 an..70 an..17 an..3 an..35 an..35 x 2 an..35 x 2 an..35 an..9 an..70 an..17 an..3 an..35 an..35 x 2 an..35 x 2 an..35 an..9 an..70 an..17 an..3	R O O O O O O O R O O O O O O O R R R O O R R	<i>Buyer Identifier</i> (Super Cheap Auto Group GLN) (3035=BY) <i>Buyer Name</i> <i>Street Address</i> <i>City Name</i> <i>State / Area Code</i> <i>State / Area Name</i> <i>Postal Identification Code</i> <i>Country Name Code</i> <i>Supplier Identifier (Supplier GLN) (3035=SU)</i> <i>Supplier Name</i> <i>Street Address</i> <i>City Name</i> <i>State / Area Code</i> <i>State / Area Name</i> <i>Postal Identification Code</i> <i>Country Name Code</i> <i>Ship To Location Identifier (Store GLN) (3035=ST)</i> <i>Store Name</i> <i>Street Address</i> <i>City Name</i> <i>State / Area Code</i> <i>State / Area Name</i> <i>Postal Identification Code</i> <i>Country Name Code</i>

DETAIL SECTION	
SHIPMENT (R)	
CPS (R)	Hierarchy level
PAC (R)	Number and type of handle-able units at this hierarchy level e.g. pallets, cartons
CPS (D)	Individual handle-able units. Omit if there is no intermediate level packaging, e.g. pallets. However, LIN group will always appear.
PAC (R)	Identify this type of logistics unit, quantity always 1
MEA (O)	Physical dimensions of this handle-able unit e.g. pallet
PCI (O)	Type of markings on the outer handle-able unit. Must be used if following GIN is used.
GIN (R)	Literal markings (e.g. SSCC) on outer handle-able unit. Must be used if previous PCI is used.
PAC (R)	Total number of packages on this unit e.g. number of cartons
LIN (R)	GTIN identifier
PIA (O)	Buyer & supplier internal identifier
IMD (O)	Item description
MEA (O)	Item physical dimensions
QTY (R)	Quantity of this item and # consumer units in the carton
ALI (D)	2 flags; Partial & Complete or Partial only status. Must be used if this is a partial shipment against the referenced order.
RFF (R)	Reference to Purchase Order and Purchase Order Line Number is Mandatory at LIN level, even when the DESADV relates to only one PO. Note: Only one PO may be referenced per line item.
PCI (O)	Use for standard item e.g. carton markings. Must be used if following GIN is used.
GIN (R)	Literal markings on standard item. Must be used if previous PCI is used.

5. Reading this Document

Introduction to UN/EDIFACT terminology:

A UN/EDIFACT (ISO 9735) file is called an “*interchange*”. This is the EDI terminology. The interchange is made up of *segments*, which is also an EDI term equivalent to the term “record”.

An interchange starts with an interchange header segment called “UNB” and terminates with an interchange trailer segment called “UNZ”. Within the UNB – UNZ envelope are the segments that comprise either functional groups (not being used by Automotive Aftermarket) or the electronic EDI business *messages* themselves. Each business message begins with a header “UNH” segment and terminates with a trailer “UNT” segment. In between the message header and trailer are the user segments containing the business data. Sample below¹:

UNB	(start of interchange)
UNH	(start of first business message)
.....	user segments
UNT	(end of first business message)
UNH	(start of second business message)
.....	user segments
UNT	(end of second business message)
UNZ	(end of interchange)

Segments are made up of one or more data *elements*. Each data element in a segment is separated by a plus (+) symbol. A data element can be made up of *components*, which are separated from each other by a colon (:). Segments are terminated by the apostrophe ('). See data stream examples in sample message and on segments in the MIG.

UN/EDIFACT segments are given a *Base Status*, whilst the segments are given *Base Attributes*.

Base Status/Attributes:

M - Mandatory: this segment/element must always be sent²

C - Conditional: this segment/element may be sent, see User Status/User Attributes (below)

¹ This Message Implementation Guideline (MIG) does not include the specifications for the interchange segments (UNB & UNZ) as typically they are generated automatically and contain the addressing data required to deliver the interchange across the communications medium being used to exchange messages between trading partners. Many users use their EAN company Global Location Number (GLN) for addressing purposes.

² Note that a segment with status “M” may occur in a group with status “C” so if the group is not used, then the segment is not used either. However if the group is used the segment must be used. Similarly with data elements.



This Message Implementation Guideline (MIG):

In this MIG only those segments in the standard message that are to be used are specified. Any segments not used have been omitted for readability. However, within the specification of each segment, all data elements are identified, even if they are not used. Where unused data elements appear before data elements that are used, the missing data elements must be indicated as the placement of data elements within a segment is critical.

The following *User Status/Attributes* indicate the usage of particular segments and elements within this MIG.

User Status/Attributes:

- M - Mandatory: Base Status/Attribute is mandatory so user status must also be mandatory
- R - Required: Base Status/Attribute is Conditional, but for this MIG it must always be sent
- D - Dependent: must or may be sent where stated conditions apply
- O - Optional: may be sent, by agreement between parties
- X - Not Used: never sent

Notation:

Wherever possible notes have been inserted into the MIG content (shown as shaded) to clarify how the data is to be used as well as any business rules to follow.

Most segments have a shaded block of notes at the beginning of the segment. Much of this is automatically generated text from the EANCOM superset on which this MIG is based. In some cases there are descriptions of data element or code usage that are not available for usage in this MIG.

As such, please use as your primary reference, the data element specification, which begins in each segment immediately below the heading “Data Element Summary”.

6. Despatch Advice Implementation Rules – general

1. The DESADV message(s) should always be sent such that they are timed to be available to the receiver well ahead of the expected delivery, including all partials that make up the order.
2. Each despatch advice relates to one purchase order. There may be multiple despatch advices to cover the one purchase order split across multiple shipments.
3. Each delivery must be accompanied by its own despatch advice, so if multiple trucks deliver a shipment then there must be corresponding multiple despatch advices; one per delivery.
4. There must be one identifier for the entire shipment.
5. If the Delivery is palletised then there must be a SSCC for each pallet in the shipment. If the delivery is shipped in cartons then there must be a SSCC on each carton
6. If there are multiple line items on a pallet then these line items will be physically separated either horizontally or vertically.
7. Each despatch advice relates to only one ST-Ship To location (header NAD segment). This could be a single store or a single Distribution Centre (DC).
8. The Header, Shipment and LIN levels are Required (mandatory) on every Despatch Advice. The Shipment level is required if shipment is palletised or cartonised.
9. Only one PO may be referenced per line item.
10. The ALI segment that flags whether or not this is a partial shipment against the referenced order must always occur at the same level as the order reference.
11. **SUL** does not allow backorders in situations where stock was unavailable to ship as per the agreed purchase order. A zero quantity is required to be sent in the DESADV if the total quantity ordered is unavailable.

7. Sample Messages

Note that the GTINs and GLNs in these examples are for illustrative purposes only, and are not intended to reflect real products or parties. Furthermore, it should be noted that while this is indicative of the content and structure of the message, the detailed implementation guideline that forms the majority of the document is the only authoritative source of content and structure. In the event of a discrepancy between the information in this section and the information in the detailed implementation guideline, the detailed implementation guideline should prevail.

Direct delivery of non palletised shipment – example

Despatch advice for order AS35724 for shipment of 35 loose standard cartons shipped directly to one store location.

Message data	Explanation
UNH+DESADV1+DESADV:D:01B:UN:EAN007'	Message Header
BGM+351+MESSNUM+9'	Despatch advice number MESSNUM
DTM+137:20060429:102'	Message date stamp 29 th April 2006
DTM+11:20060429:102'	Despatch date 11 th April 2006
RFF+CN:123456'	Carrier reference 123456
RFF+SSC:931234567123456784'	Shipment SSCC is 931234567123456784
NAD+BY+9312345678907::9+++STREET+CITY+STATE+PCODE+AU'	Buyer GLN and address
NAD+SU+9377778123455::9+++STREET+CITY+STATE+PCODE+AU'	Supplier GLN and address
NAD+ST+9311223344552::9++STORE NAME+STREET+CITY+STATE+PCODE+AU'	Ship to location, name and address
CPS+1++IE'	Shipment level
PAC+35++CT::9'	Shipment of 35 cartons
LIN+1++931234500012:SRV'	1 st line item, GTIN
QTY+12:30:CT'	Despatch quantity is 30 (cartons)
QTY+59:12'	12 Consumer units in each carton
RFF+ON:AS35724:1'	Order number is AS35724, line number 1
LIN+2++931234500043:SRV'	2 nd line item, GTIN
QTY+12:5:CT'	Despatch quantity is 5 (cartons)
QTY+59:6'	6 Consumer units in each carton
RFF+ON:AS35724:2'	Order number is AS35724, line number 2
CNT+2:2'	Number of line items = 2
UNT+21+DESADV1'	Message Trailer



Direct to Store Delivery of a palletised shipment

Despatch Advice for order F511716/000 that is to be delivered direct to store.

The shipment contains 4 lines. These lines are packaged on 2 pallets. Each pallet has 2 line different standard products on it (mixed pallets). Both pallets are to be shipped directly to store 9377778123455.

This is a partial shipment, so there MUST be at least one other DESADV which is to be flagged Partial & Complete, to close off this order.

Message data	Explanation
UNH+123456+DESADV:D:01B:UN:EAN007' BGM+351+45678+9' DTM+137:20060430:102' DTM+11:20060430:102' DTM+17:20060503:102' ALI+++165' RFF+SSC:931234567123456784 NAD+BY+9312345678907::9+++STREET+CITY +STATE+PCODE+AU' NAD+ST+9377778123455::9++STORE NAME +STREET+CITY+STATE+PCODE+AU' NAD+SU+9377778123455::9+++STREET+CITY +STATE+PCODE+AU'	Message #123456 is a Despatch Advice. DESPATCH ADVICE #45678 DESPATCH ADVICE was created 30 April 2006 Despatch date 30 April 2006 Estimated delivery date 3 May 2006 Partial Shipment Shipment SSCC is 931234567123456784 Buyer GLN and address Ship to location, name and address Supplier GLN and address
CPS+1++1E' PAC+2++09::9'	Shipment Level (no parent). The shipment contains two pallets
CPS+2+1+2' PAC+1++09::9' PCI+33E' GIN+BJ+SSCC-A' PAC+32++CT::9'	Pallet level, directly under shipment 1 st pallet Pallet is physically marked with an SSCC SSCC identifying the 1 st pallet 1 st pallet contains 32 cartons
LIN+1++9323533000899:SRV' QTY+12:22' RFF+ON:F511716/000:1' PCI+34E' GIN+SRV+9323533000899'	Item identified by GTIN 22 standard trade items despatched Order number F511716/000, line number 1 Physically marked with EAN GTIN Literal GTIN marked on all items
LIN+2++19323530009052:SRV' QTY+12:10' RFF+ON:F511716/000:2'	Item identified by 14 digit GTIN 10 trade items despatched Order number F511716/000, line number 2
CPS+3+1+2' PAC+1++09::9'' PCI+33E' GIN+BJ+SSCC-B' PAC+44'	Pallet level, directly under shipment 2 nd pallet Pallet is marked with a SSCC SSCC identifying the 2 nd pallet contains 44 units (type not identified)
LIN+3++19323533000919:SRV' QTY+12:24' RFF+ON:F511716/000:3'	Item identified by GTIN 24 items have been shipped Order number F511716/000, line number 3
LIN+4++1932353000926:SRV'	Item identified by GTIN



Australia
(Formerly EAN Australia)



QTY+12:20'
RFF+ON:F511716/000:4'

20 items have been shipped
Order number F511716/000, line number 4

CNT+2:4'
UNT+38+123456'

Number of LIN segments is 4
Total number of segments in message 123456

DESADV Despatch Advice Message

Introduction:

A message used to specify 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.

Notes:

SUL ASN (DESPATCH ADVICE) - DSD Model

This Message Implementation Guideline (MIG) is based on the EANCOM(R) 2002 Australian Retail combined with the Australian Automotive Aftermarket Industry Implementation Guidelines.

Heading 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>
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
R	0030	DTM	Date/Time/Period	C	10		
D	0040	ALI	Additional Information	C	5		
O	0080		Segment Group 1: RFF	C		10	
M	0090	RFF	Reference	M	1		
R	0110		Segment Group 2: NAD	C		99	
M	0120	NAD	Name and Address	M	1		

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>
R	0390		Segment Group 10: CPS-SG11-SG17	C		9999	
M	0400	CPS	Consignment Packing Sequence	M	1		
R	0430		Segment Group 11: PAC-MEA-SG13	C		9999	
M	0440	PAC	Package	M	1		
O	0450	MEA	Measurements	C	10		
O	0500		Segment Group 13: PCI-SG15	C		1000	
M	0510	PCI	Package Identification	M	1		
R	0570		Segment Group 15: GIN	C		99	
M	0580	GIN	Goods Identity Number	M	1		
O	0650		Segment Group 17: LIN-PIA-IMD-MEA-QTY-ALI-SG18-SG22	C		9999	
M	0660	LIN	Line Item	M	1		
O	0670	PIA	Additional Product Id	C	10		
O	0680	IMD	Item Description	C	25		
O	0690	MEA	Measurements	C	10		
R	0700	QTY	Quantity	C	10		
D	0710	ALI	Additional Information	C	10		



R	0830		Segment Group 18: RFF	C		99
M	0840	RFF	Reference	M	1	
O	1000		Segment Group 22: PCI-SG23	C		9999
M	1010	PCI	Package Identification	M	1	
R	1050		Segment Group 23: GIN	C		10
M	1060	GIN	Goods Identity Number	M	1	

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>
R	1150	CNT	Control Total	C	1		
M	1160	UNT	Message Trailer	M	1		

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 Despatch advice message is DESADV.
Notes: DE's 0065, 0052, 0054 and 0051 indicate that the message is an UNSM Despatch Advice Message based on the D.01B directory that is under control of the United Nations.
 Example:
 UNH+123456+DESADV:D:01B:UN:EAN007'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	0062		MESSAGE REFERENCE NUMBER	M 1 an..14
			Senders unique message reference. Sequence number of the message in the interchange. DE 0062 in the UNH segment will be exactly the same as in the UNT segment. Sender generated.	
M	S009		MESSAGE IDENTIFIER	M 1
M		0065	Message type identifier	M an..6
			DESADV Despatch advice message	
			A code to identify the despatch advice message.	
M		0052	Message type version number	M an..3
			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		0054	Message type release number	M an..3
			01B Release 2001 - B	
			Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).	
M		0051	Controlling agency	M an..2
			UN UN/CEFACT	
			United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).	
R		0057	Association assigned code	C an..6
			EAN007 EAN version control number	
X	0068		COMMON ACCESS REFERENCE	C 1 an..35
X	S010		STATUS OF THE TRANSFER	C 1
X		0070	Sequence message transfer number	M n..2
X		0073	First/last sequence message transfer indication	C a1

Segment: **BGM** Beginning of Message
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment for unique identification of the Despatch Advice document, by means of its name and its number.
Notes: This segment is used to indicate the type and function of a message and to transmit the identifying number.
 Example:
 BGM+351+D12341998+9'

Data Element Summary

	Data Element	Component		Attributes
		Element	Name	
R	C002		DOCUMENT/MESSAGE NAME	C 1
R		1001	Document name code 351 Despatch advice Document/message by means of which the seller or consignee informs the consignee about the despatch of goods.	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X		1000	Document name	C an..35
R	C106		DOCUMENT/MESSAGE IDENTIFICATION	C 1
R		1004	Document identifier Required: Despatch advice number assigned by the document sender. This value must not exceed 15 characters	C an..35
X		1056	Version identifier	O an..9
X		1060	Revision identifier	C an..6
R	1225		MESSAGE FUNCTION CODE	C 1 an..3
		7	Duplicate The message is a duplicate of a previously generated message.	
		9	Original Initial transmission related to a given transaction. An original transmission of a Despatch Advice.	
X	4343		RESPONSE TYPE CODE	C 1 an..3

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 10
Purpose: Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

Notes: This segment is used to specify the dates associated with the despatch advice message. At a minimum this must include the date the despatch advice was sent and the date the goods were sent. It may also include the estimated delivery date.

Example:
DTM+137:20060912:102'
DTM+11:20060912:102'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
				M	1
M	C507		DATE/TIME/PERIOD	M	1
M		2005	Date or time or period function code qualifier	M	an..3
		11	Despatch date and or time (2170) Date/time on which the goods are or are expected to be despatched or shipped. Required: Date the goods left the despatch point.		
		17	Delivery date/time, estimated Date and/or time when the shipper of the goods expects delivery will take place. Estimated date for the goods to arrive at the delivery location indicated in the NAD segment.		
		137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication. Required: Despatch advice message creation date.		
R		2380	Date or time or period text	C	an..35
R		2379	Date or time or period format code	C	an..3
		102	CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.		



Segment: **ALI** Additional Information
Position: 0040
Group:
Level: 1
Usage: Conditional (Dependent)
Max Use: 5
Purpose: A segment indicating that the message is subject to special conditions due to origin, customs preference or commercial factors.
Notes: Not required if this shipment is both full and complete. Required otherwise.
 Example:
 ALI+++165'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
X	3239		COUNTRY OF ORIGIN NAME CODE	C 1 an..3
X	9213		DUTY REGIME TYPE CODE	C 1 an..3
R	4183		SPECIAL CONDITION CODE	C 1 an..3
		150	Mixed item pallet Goods to be supplied on mixed item pallet. Provision for future use only.	
		164	Shipment completes order There will be no further shipments for this order as it is considered complete. Partial & Complete	
		165	Split shipment Subsequent shipment(s) will arrive for this order as it has been split over more than one shipment. Partial	
X	4183		SPECIAL CONDITION CODE	C 1 an..3
X	4183		SPECIAL CONDITION CODE	C 1 an..3
X	4183		SPECIAL CONDITION CODE	C 1 an..3
X	4183		SPECIAL CONDITION CODE	C 1 an..3



Group: **RFF** Segment Group 1: Reference
Position: 0080
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>		<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0090	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0090 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.
Notes: This segment is used to provide references that apply to the whole transaction.
 Example:
 RFF+CN:12332'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	C506		REFERENCE	M 1
M		1153	Reference code qualifier	M an..3
			CN	Carrier's reference number Reference number assigned by carrier to a consignment. Optional: Provide references to a specific delivery of an order. This may be a consignment note or a delivery docket number.
			SSC	Serial Shipping Container Code (EAN Code) Reference number identifying a serial shipping container or package.
R		1154	Reference identifier	C an..70
X		1156	Document line identifier	C an..6
X		4000	Reference version identifier	C an..35
X		1060	Revision identifier	C an..6



Group: **NAD** Segment Group 2: Name and Address
Position: 0110
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>		<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0120	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0120 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: 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.

Notes: In this DSD model DE3035 = ST is the Store.

Example:

NAD+ST+9327303031205::9++SUPER CHEAP CHERMSIDE+750 GYMPIE
RD+CHERMSIDE+QLD+4032+AU'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3035		PARTY FUNCTION CODE QUALIFIER	M 1 an..3
			BY Buyer Party to whom merchandise and/or service is sold. Required: SUL GLN to be used in DE3039.	
			ST Ship to Identification of the party to where goods will be or have been shipped. Required: SUL Store GLN	
			SU Supplier [3280] Party who supplies goods and/or services. Required: Supplier GLN to be used in DE3039.	
R	C082		PARTY IDENTIFICATION DETAILS	C 1
M		3039	Party identifier	M an..35
			Global Location Number - format n13	
X		1131	Code list identification code	C an..17
R		3055	Code list responsible agency code	C an..3
			9 EAN International EAN International, an organization of EAN Member Organizations, who along with the Uniform Code Council manages the EAN.UCC System.	
X	C058		NAME AND ADDRESS	C 1
X		3124	Name and address description	M an..35
X		3124	Name and address description	C an..35
X		3124	Name and address description	C an..35
X		3124	Name and address description	C an..35
X		3124	Name and address description	C an..35
D	C080		PARTY NAME	C 1
			Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU). Required for Ship To location (DE 3035=ST).	
M		3036	Party name	M an..35
O		3036	Party name	C an..35
X		3036	Party name	C an..35



X		3036	Party name	C	an..35
X		3036	Party name	C	an..35
X		3045	Party name format code	C	an..3
D	C059		STREET	C	1
			Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU). Required for Ship To location (DE 3035=ST).		
M		3042	Street and number or post office box identifier	M	an..35
			Building Name/Number and Street. Conditional: Street address (line 1) of the party identified, where applicable.		
O		3042	Street and number or post office box identifier	C	an..35
			Street address (line 2) of the party identified, where applicable.		
X		3042	Street and number or post office box identifier	C	an..35
X		3042	Street and number or post office box identifier	C	an..35
D	3164		CITY NAME	C	1 an..35
			City or suburb of the location of the party identified, where applicable, such as MINCHINBURY, DUBBO, etc.		
			Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU). Required for Ship To location (DE 3035=ST).		
D	C819		COUNTRY SUB-ENTITY DETAILS	C	1
			Optional for Buyer (DE 3035=BY) and Supplier (DE 3035=SU). Required for Ship To location (DE 3035=ST).		
O		3229	Country sub-entity name code	C	an..9
			This is where the code for the state is entered, e.g. VIC, TAS etc. The following list contains the allowable codes in column 1		
			ACT	Australian Capital Territory, Australia	
			AUK	Auckland, New Zealand	
			BOP	Bay of Plenty, New Zealand	
			CAN	Canterbury, New Zealand	
			GIS	Gisborne, New Zealand	
			HKB	Hawke's Bay, New Zealand	
			MBH	Marlborough, New Zealand	
			MWT	Manawatu-Wanganui, New Zealand	
			NSN	Nelson, New Zealand	
			NSW	New South Wales, Australia	
			NT	Northern Territory, Australia	
			NTL	Northland, New Zealand	
			OTA	Otago, New Zealand	
			QLD	Queensland, Australia	
			SA	South Australia, Australia	
			STL	Southland, New Zealand	
			TAS	Tasmania, Australia or Tasman, New Zealand.	
				See DE 3228 and/or DE 3207 to resolve ambiguity.	
			TKI	Taranaki, New Zealand	
			VIC	Victoria, Australia	
			WA	Western Australia, Australia	
			WGN	Wellington, New Zealand	
			WKO	Waikato, New Zealand	
			WTC	West Coast, New Zealand	
X		1131	Code list identification code	C	an..17
X		3055	Code list responsible agency code	C	an..3
O		3228	Country sub-entity name	C	an..70



Group: CPS Segment Group 10: Consignment Packing Sequence
Position: 0390
Group Level: 1
Usage: Conditional (Required)
Max Use: 9999
Purpose: 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.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0400	CPS	Consignment Packing Sequence	M	1	
	0430		Segment Group 11: Package	C		9999
	0650		Segment Group 17: Line Item	C		9999

Segment: **CPS** Consignment Packing Sequence
Position: 0400 (Trigger Segment)
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
Notes: The CPS segment identifies the order of the shipment packing sequence.
 Example:
 CPS+1++1E'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	7164		HIERARCHICAL STRUCTURE LEVEL IDENTIFIER Sequential numbering recommended. Number given to this CPS record.	M 1 an..35
D	7166		HIERARCHICAL STRUCTURE PARENT IDENTIFIER Number of Parent CPS record. Required for all levels except Shipment, which is the uppermost level.	C 1 an..35
R	7075		PACKAGING LEVEL CODE	C 1 an..3
		1	Inner Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level. The level immediately below shipment or tare levels. This is the lowest unit level. Only used if cartons are not line items, e.g. in the case of mixed cartons.	
		2	Intermediate Level of packaging, if it exists, that is immediately subordinate to the outer packaging level. The pallet/tare level. Tare level is optional for logisitcs unit, e.g. pallet	
		3	Outer For packed merchandise, outermost level of packaging for a shipment. To be used for Cross Dock supply (future use). This will mean the 'final' location level, i.e. store level.	
		1E	Highest (EAN Code) Level of packaging, if it exists, which is highest in the packaging hierarchy. This code relates to the combined shipment total levels.	



Group: PAC Segment Group 11: Package
Position: 0430
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9999
Purpose: 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.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0440	PAC	Package	M	1	
O	0450	MEA	Measurements	C	10	
	0500		Segment Group 13: Package Identification	C		1000

Segment: PAC Package
Position: 0440 (Trigger Segment)
Group: Segment Group 11 (Package) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1

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

Notes: This PAC segment can be used to identify the total number of packages per hierarchical level identified in the CPS segment. The contents of each package are described in the following LIN segments.

Please refer to the Sample Messages for examples of the use of the PAC segment.

Example:

PAC+2++09::9'

This hierarchical level contains 2 pallets.

PAC+5+++CT:9'

This hierarchical level contains 5 cartons.

Data Element Summary

	Data Element	Component		Attributes
		Element	Name	
R	7224		PACKAGE QUANTITY	C 1 n..8
X	C531		PACKAGING DETAILS	C 1
X		7075	Packaging level code	C an..3
X		7233	Packaging related description code	C an..3
X		7073	Packaging terms and conditions code	C an..3
O	C202		PACKAGE TYPE	C 1
R		7065	Package type description code	C an..17
		09	Returnable Pallet - EAN Code	
			Required: Used to declare if package type is a pallet of any kind.	
		2W	Bin	
		BG	Bag	
		BJ	Bucket	
		CN	EAN code for container, not otherwise specified as transport equipment	
			Conditional: Used to declare if package type is a container of any kind, not otherwise specified.	
		CT	Carton	
		CW	EAN code for roll cage	
			Conditional: Used to declare if package type is a roll cage.	
		DR	Drum	
		EA	Each	
		KGM	Kilogram	
		PK	Package	
		RO	Roll	
		SL	Slipsheet	
X		1131	Code list identification code	C an..17
R		3055	Code list responsible agency code	C an..3
		9	EAN International	



EAN International, an organization of EAN Member Organizations, who along with the Uniform Code Council manages the EAN.UCC System.

X		7064	Type of packages	C	an..35
X	C402		PACKAGE TYPE IDENTIFICATION	C	1
X		7077	Description format code	M	an..3
X		7064	Type of packages	M	an..35
X		7143	Item type identification code	C	an..3
X		7064	Type of packages	C	an..35
X		7143	Item type identification code	C	an..3
X	C532		RETURNABLE PACKAGE DETAILS	C	1
X		8395	Returnable package freight payment responsibility code	C	an..3
X		8393	Returnable package load contents code	C	an..3

Segment: **MEA** Measurements
Position: 0450
Group: Segment Group 11 (Package) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment specifying physical measurements of the packages/physical units described in the PAC segment.
Notes: Used within CPS PALLET level to provide weights and dimensions of each pallet.
 Example:
 MEA+PD+AAB+KGM:4231'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	6311		MEASUREMENT PURPOSE CODE QUALIFIER PD Physical dimensions (product ordered) Specified measurement dimensions refer to physical dimensions of a product, material or package.	M 1 an..3
R	C502		MEASUREMENT DETAILS	C 1
M		6313	Measured attribute code Each of the following attributes refers to the single pallet, i.e. measurements are UNIT measurements.	M an..3
		AAB	Unit gross weight [6292] Weight (mass) of goods including packing but excluding the carrier's equipment. Gross weight in kilograms for the current pallet or shipping unit (ULD, etc.)	
		ABJ	Volume The amount of air space taken up by the entity identified in the 6311 qualifier.	
		HT	Height dimension Numeric value of height.	
		LAY	Number of layers on a pallet (EAN code). Number of layers of a product or products within a package, container, pallet, etc.	
		LN	Length dimension (6168) Length of pieces or packages stated for transport purposes.	
		ULY	Number of units per pallet layer (EAN code). Number of units of a product or package within one layer of a package, container, pallet, etc.	
		WD	Width dimension Numeric value of width.	
X		6321	Measurement significance code	C an..3
X		6155	Non-discrete measurement name code	C an..17
X		6154	Non-discrete measurement name	C an..70
R	C174		VALUE/RANGE	C 1
M		6411	Measurement unit code KGM kilogram LTR litre MTQ cubic metre MTR metre	M an..3



		NAR	number of articles		
R	6314	Measure		C	an..18
This value must be numeric with no more than 3 decimal places allowed.					
X	6162	Range minimum quantity		C	n..18
X	6152	Range maximum quantity		C	n..18
X	6432	Significant digits quantity		C	n..2
X	7383	SURFACE OR LAYER CODE		C	1 an..3



Group: **PCI** Segment Group 13: Package Identification
Position: 0500
Group: Segment Group 11 (Package) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 1000
Purpose: A group of segments specifying markings, labels, and packing numbers.
Notes: Used at PALLET level (and later within LIN loop).

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0510	PCI	Package Identification	M	1	
	0570		Segment Group 15: Goods Identity Number	C		99

Segment: **PCI** Package Identification
Position: 0510 (Trigger Segment)
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1

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

Notes: This PCI segment is used to provide markings and label information relevant to the packaging unit and level of packaging.

Example:
PCI+33E'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
R	4233		MARKING INSTRUCTIONS CODE	C 1 an..3
			33E	Marked with serial shipping container code (EAN Code)
			36E	Marked with batch number (EAN Code)
				Indication that the batch number has been marked on a package.
			IEN	Package Identity Number (EAN Code)
				Number uniquely identifying a package.
X	C210		MARKS & LABELS	C 1
X		7102	Shipping marks description	M an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X		7102	Shipping marks description	C an..35
X	8275		CONTAINER OR PACKAGE CONTENTS INDICATOR CODE	C 1 an..3
X	C827		TYPE OF MARKING	C 1
X		7511	Marking type code	M an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3



Group: **GIN** Segment Group 15: Goods Identity Number
Position: 0570
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments giving package identification numbers and, where relevant, delivery limitation information.
Notes: Shows the SSCC that is physically marked on the PALLET. May also be used to advise of other attribute information marked on the pallet such as batch or serial number.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	0580	GIN	Goods Identity Number	M	1	

Segment: **GIN** Goods Identity Number
Position: 0580 (Trigger Segment)
Group: Segment Group 15 (Goods Identity Number) Conditional (Required)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment providing the identity numbers of packages being despatched.
Notes: Provides identity numbers for packages in the delivery.

Example:
GIN+BJ+093224397500000006'

Data Element Summary

M	Data Element	Component		Attributes
		Element	Name	
M	7405		OBJECT IDENTIFICATION CODE QUALIFIER	M 1 an..3
		BJ	Serial shipping container code A single unique serial number which identifies shipping containers or shipping packages.	
		BN	Serial number Identification number of an item which distinguishes this specific item out of a number of identical items. May be used to identify the specific serial number of the transport unit.	
		BX	Batch number Unique number affixed by manufacturer to a batch of products produced under similar conditions. Batch or Lot number	
M	C208		IDENTITY NUMBER RANGE	M 1
M		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35
X	C208		IDENTITY NUMBER RANGE	C 1
X		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35
X	C208		IDENTITY NUMBER RANGE	C 1
X		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35
X	C208		IDENTITY NUMBER RANGE	C 1
X		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35
X	C208		IDENTITY NUMBER RANGE	C 1
X		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35



Group: **LIN** Segment Group 17: Line Item
Position: 0650
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments providing details of the individual despatched items.

Segment Summary

	Pos.	Seg.	Name	Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0660	LIN	Line Item	M	1	
O	0670	PIA	Additional Product Id	C	10	
O	0680	IMD	Item Description	C	25	
O	0690	MEA	Measurements	C	10	
R	0700	QTY	Quantity	C	10	
D	0710	ALI	Additional Information	C	10	
	0830		Segment Group 18: Reference	C		99
	1000		Segment Group 22: Package Identification	C		9999

Segment: **LIN** Line Item
Position: 0660 (Trigger Segment)
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the product being despatched.
 All other segments in the detail section following the LIN segment refer to that line item.
Notes: Identifies the item that was ordered and has been shipped.
 Example:
 LIN+1++9323533000899:SRV'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
R	1082		LINE ITEM IDENTIFIER	C 1 an..6
			Application generated number of the item lines within the Despatch Advice.	
X	1229		ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	C 1 an..3
R	C212		ITEM NUMBER IDENTIFICATION	C 1
			Use only if the product code is a Global Trade Item Number (GTIN).	
R		7140	Item identifier	C an..35
			Format n..14 GTIN-8, GTIN-13 or GTIN-14. This is the number of the article being received.	
R		7143	Item type identification code	C an..3
			SRV EAN.UCC Global Trade Item Number	
			A unique number, up to 14-digits, assigned according to the numbering structure of the EAN.UCC system. 'EAN' stands for the 'International Article Numbering Association', and 'UCC' for the 'Uniform Code Council'.	
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C829		SUB-LINE INFORMATION	C 1
X		5495	Sub-line indicator code	C an..3
X		1082	Line item identifier	C an..6
X	1222		CONFIGURATION LEVEL NUMBER	C 1 n..2
X	7083		CONFIGURATION OPERATION CODE	C 1 an..3

Segment: PIA Additional Product Id
Position: 0670
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.
Notes: This segment is used to specify additional identification codes such as buyer's or supplier's item number for the ordered and shipped item.

Example:
 PIA+1+015490Y:SA'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	4347		PRODUCT IDENTIFIER CODE QUALIFIER	M 1 an..3
		1	Additional identification Information which specifies and qualifies product identifications. Used to provide an additional identity for the product identified in the LIN segment.	
M	C212		ITEM NUMBER IDENTIFICATION	M 1
R		7140	Item identifier	C an..35
R		7143	Item type identification code	C an..3
		IN	Buyer's item number The item number has been allocated by the buyer. SUL's internal identifier for the product.	
		SA	Supplier's article number Number assigned to an article by the supplier of that article. Used to provide the vendor's own reference to an item delivered, where applicable.	
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
X	C212		ITEM NUMBER IDENTIFICATION	C 1
X		7140	Item identifier	C an..35
X		7143	Item type identification code	C an..3



X
X

1131 Code list identification code
3055 Code list responsible agency code

C an..17
C an..3

Segment: **IMD** Item Description
Position: 0680
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 25
Purpose: 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.
Notes: Segment used to send product description.
 Example:
 IMD+F+++:::EXAMPLE PRODUCT 002'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
R	7077		DESCRIPTION FORMAT CODE	C 1 an..3
		F	Free-form Description of an item in free form text.	
X	C272		ITEM CHARACTERISTIC	C 1
X		7081	Item characteristic code	C an..3
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
R	C273		ITEM DESCRIPTION	C 1
X		7009	Item description code	C an..17
X		1131	Code list identification code	C an..17
X		3055	Code list responsible agency code	C an..3
R		7008	Item description	C an..256
O		7008	Item description Optional second field if required for item description	C an..256
X		3453	Language name code	C an..3
X	7383		SURFACE OR LAYER CODE	C 1 an..3

Segment: **MEA** Measurements
Position: 0690
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment specifying physical measurements of the despatched item in original or unpacked form.
Notes: Example:
 MEA+PD+ABJ+LTR:40'

Data Element Summary

Data Element	Component Element	Name	Attributes	
			M	1 an..3
M	6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	1 an..3
		PD Physical dimensions (product ordered)		
		Specified measurement dimensions refer to physical dimensions of a product, material or package.		
R	C502	MEASUREMENT DETAILS	C	1
O	6313	Measured attribute code	C	an..3
		Each of the following attributes refers to a single item, i.e. measurements are UNIT measurements.		
		AAB Unit gross weight		
		[6292] Weight (mass) of goods including packing but excluding the carrier's equipment.		
		ABJ Volume		
		The amount of air space taken up by the entity identified in the 6311 qualifier.		
		HT Height dimension		
		Numeric value of height.		
		LN Length dimension		
		(6168) Length of pieces or packages stated for transport purposes.		
		WD Width dimension		
		Numeric value of width.		
X	6321	Measurement significance code	C	an..3
X	6155	Non-discrete measurement name code	C	an..17
X	6154	Non-discrete measurement name	C	an..70
R	C174	VALUE/RANGE	C	1
M	6411	Measurement unit code	M	an..3
		KGM kilogram		
		LTR litre		
		MTQ cubic metre		
		MTR metre		
R	6314	Measure	C	an..18
		This value must be numeric with no more than 3 decimal places allowed.		
X	6162	Range minimum quantity	C	n..18
X	6152	Range maximum quantity	C	n..18
X	6432	Significant digits quantity	C	n..2
X	7383	SURFACE OR LAYER CODE	C	1 an..3

Segment: QTY Quantity
Position: 0700
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Required)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.
Notes: Despatched quantity is mandatory.

Example:
 QTY+12+95'

Data Element Summary

Data Element	Component		Attributes
	Element	Name	
M	C186	QUANTITY DETAILS	M 1
M	6063	Quantity type code qualifier	M an..3
		THIS HAS AN EANCOM RESTRICTED CODE SET.	
		12 Despatch quantity	
		Quantity despatched by the seller.	
		59 Numbers of consumer units in the traded unit	
		Number of units for consumer sales in a unit for trading.	
		Required for all trade items containing consumer items (not to be used for products sold by measure, e.g. rope).	
M	6060	Quantity	M an..35
		This value must be numeric, with no more than 3 decimal places allowed.	
O	6411	Measurement unit code	C an..3
		2W bin	
		BG bags	
		BJ bucket	
		CT carton	
		DR drum	
		EA each	
		KGM kilogram	
		Only used for products that are variable in weight.	
		LTR litre	
		RO roll	

Segment: **ALI** Additional Information
Position: 0710
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Dependent)
Max Use: 10
Purpose: A segment indicating that the line item is subject to special conditions due to origin, customs preference, or commercial factors.
Notes: Must be used if this is a partial shipment.
 Example:
 ALI+++164'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
X	3239		COUNTRY OF ORIGIN NAME CODE	C 1 an..3
X	9213		DUTY REGIME TYPE CODE	C 1 an..3
O	4183		SPECIAL CONDITION CODE	C 1 an..3
		164	Shipment completes order There will be no further shipments for this order as it is considered complete. Partial & Complete	
		165	Split shipment Subsequent shipment(s) will arrive for this order as it has been split over more than one shipment. Partial shipment	
X	4183		SPECIAL CONDITION CODE	C 1 an..3
X	4183		SPECIAL CONDITION CODE	C 1 an..3
X	4183		SPECIAL CONDITION CODE	C 1 an..3
X	4183		SPECIAL CONDITION CODE	C 1 an..3



Group: **RFF** Segment Group 18: Reference
Position: 0830
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments to give reference numbers and dates.
Notes: Must be used for Purchase Order reference.

Segment Summary

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0840	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0840 (Trigger Segment)
Group: Segment Group 18 (Reference) Conditional (Required)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying documents related to the line item.
Notes: Reference to order and order line item number that this shipped item comes from. The same order number will be repeated each time against every line.

Example:
RFF+ON:F511716/000:0002'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>	
		<u>Element</u>	<u>Name</u>		
M	C506		REFERENCE	M	1
M		1153	Reference code qualifier	M	an..3
			ON		Buyers order number [1022] Reference number assigned by the buyer to an order. Required.
R		1154	Reference identifier	C	an..70
			SUL Purchase Order number.		
R		1156	Document line identifier	C	an..6
			SUL Purchase Order Line Number		
X		4000	Reference version identifier	C	an..35
X		1060	Revision identifier	C	an..6



Group: **PCI** Segment Group 22: Package Identification
Position: 1000
Group: Segment Group 17 (Line Item) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9999
Purpose: 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.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	1010	PCI	Package Identification	M	1	
	1050		Segment Group 23: Goods Identity Number	C		10

Segment: **PCI** Package Identification
Position: 1010 (Trigger Segment)
Group: Segment Group 22 (Package Identification) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying marking and labels used on individual packages or a range of packages.
Notes: Example:
 PCI+34E'

Data Element Summary

R	Data Element	Component		Attributes	
		Element	Name		
	4233		MARKING INSTRUCTIONS CODE	C	1 an..3
			34E		Marked with a Global Trade Item Number - EAN Code
			36E		Marked with batch number (EAN Code)
					Indication that the batch number has been marked on a package.
			IEN		Package Identity Number (EAN Code)
					Number uniquely identifying a package.
X	C210		MARKS & LABELS	C	1
X		7102	Shipping marks description	M	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X		7102	Shipping marks description	C	an..35
X	8275		CONTAINER OR PACKAGE CONTENTS INDICATOR CODE	C	1 an..3
X	C827		TYPE OF MARKING	C	1
X		7511	Marking type code	M	an..3
X		1131	Code list identification code	C	an..17
X		3055	Code list responsible agency code	C	an..3



Group: **GIN** Segment Group 23: Goods Identity Number
Position: 1050
Group: Segment Group 22 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Required)
Max Use: 10
Purpose: A group of segments giving package identification numbers and, where relevant, delivery limitation information.

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	1060	GIN	Goods Identity Number	M	1	

Segment: **GIN** Goods Identity Number
Position: 1060 (Trigger Segment)
Group: Segment Group 23 (Goods Identity Number) Conditional (Required)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment providing identification numbers being applied to the packages despatched.
Notes: Example:
 GIN+SRV+19323533000919'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	7405		OBJECT IDENTIFICATION CODE QUALIFIER	M 1 an..3
		BN	Serial number	
			Identification number of an item which distinguishes this specific item out of a number of identical items.	
		BX	Batch number	
			Unique number affixed by manufacturer to a batch of products produced under similar conditions.	
		SRV	Global Trade Item Number	
M	C208		IDENTITY NUMBER RANGE	M 1
M		7402	Object identifier	M an..35
O		7402	Object identifier	C an..35
O	C208		IDENTITY NUMBER RANGE	C 1
M		7402	Object identifier	M an..35
O		7402	Object identifier	C an..35
O	C208		IDENTITY NUMBER RANGE	C 1
M		7402	Object identifier	M an..35
O		7402	Object identifier	C an..35
X	C208		IDENTITY NUMBER RANGE	C 1
X		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35
X	C208		IDENTITY NUMBER RANGE	C 1
X		7402	Object identifier	M an..35
X		7402	Object identifier	C an..35

Segment: **CNT** Control Total
Position: 1150
Group:
Level: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment by which control totals may be provided by sender for checking by the receiver.
Notes: Example:
 CNT+2:24'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	C270		CONTROL	M 1
M		6069	Control total type code qualifier	M an..3
			2 Number of line items in message Total number of line items in the message. Required: Total count of LIN segments in the shipment.	
M		6066	Control total quantity	M n..18
X		6411	Measurement unit code	C an..8

Segment: **UNT** Message Trailer
Position: 1160
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.
Notes: UNT+48+123456'

Data Element Summary

	<u>Data Element</u>	<u>Component</u>		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	0074		NUMBER OF SEGMENTS IN A MESSAGE	M 1 n..6
				The total number of segments in the message is detailed here.
M	0062		MESSAGE REFERENCE NUMBER	M 1 an..14
				The reference number used in the UNH segment must be repeated here.