

Despatch Advice Message

Message Implementation Guideline for the Australian Hardware Industry

*(Based on the EANCOM 1997 Guideline using
UN/EDIFACT Directory D.96A)*

A Hardware Industry B2B E-Commerce Initiative

Implementation v1.0

April 2003

1. Contacts

This EDI Message Implementation Guidelines (MIG) should be read in conjunction with any appropriate terms and conditions of trade between trading partners in the Hardware Industry.

This EDI MIG is based on EAN International's EANCOM® 1997 Guideline using UN/EDIFACT Directory D.96A. For any information regarding EANCOM® or this MIG, please contact:

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This EDI MIG has been developed as part of the Hardware Industry B2B E-Commerce Project facilitated in 2001/2002 by Tradegate ECA and in 2003 by BizEvolution.

HIWG (Hardware Industry Working Group) members 2001 – 2003 have included the following organisations:

• Bunnings Building Supplies	• Mitre 10 Australia
• Dewalt Industrial Powertool Company	• National Building Suppliers Group (NBSG)
• Floriana	• Orica Consumer Products / Dulux
• James Hardie Asia/Pacific	• SPL Group
• John Danks & Son	• woodlogic, a Carter Holt Harvey business
• Master Plumbers' & Mechanical Services Association of Australia (MPMSAA)	

Input was also received from the three HIWG subgroups for Greenlife, Timber and Plumbing.

2. Disclaimer

Every possible effort has been made to ensure that the information and specifications in this document are correct, however the Hardware Industry work group, Tradegate ECA, BizEvolution and EAN Australia 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

Listed below are the changes that have been applied to the previous version (Pilot v1.1) to create this version; Implementation v1.0 April 2003.

Pos.	Section Modified	Nature of Change/Comments	Source/reason
-	Preamble	Addition of sections 5, 7 & 8	Requested for education / clarification
-	Message level business rules	Clarification that the Hardware industry will allow the consolidation of multiple DESADVs onto one invoice, but that it is preferable that there is one invoice per despatch advice.	Requested by MIG subgroup
-	Preamble	Section 4. Data Content and Structure has been changed to reflect the hierarchical structure of the packing configuration (CPS) so that implementers can see which data should be present at which levels.	Clarification
-	Preamble	Section 7 sample messages have been simplified and now cover both direct to store and cross dock scenarios as well as for standard trade items and pick 'n pack non standard items.	Clarification
0020	BGM.C002.1001	Add code 35E – Returns advice	Correction
0030	DTM segment	Changed from Optional to Required as at least one iteration is required for 137 – message date.	Correction
0040	ALI.4183	Note on segment was incorrect so it has been removed. A pick 'n pack shipment may be cross docked but it also may be DTS.	Clarification
0070	RFF group 1	Changed from Optional to Required as the DESADV must reference a previous document for reconciliation purposes.	Correction
0080	RFF.C506.1153	Added codes AAN, BO and BM	Retail alignment
0170	CTA	Segment added for supplier contact details	Retail alignment
0180	COM	Segment added for supplier contact details	Retail alignment
0300	EQD segment note	Amended as this segment is now specified and example made more relevant.	Clarification
0300	EQD.C237.8260	Changed from X – not used to R – required (note parent element C237 remains optional), as this data element carries the reference number of the container or truck.	Correction
0380	CPS.7075	Amended note on code 1 to say that this level may be immediately subordinate to either shipment or tare levels.	Clarify usage
0430	QTY segment	Removed as quantity information will be provided at the line item level (not the PAC level).	Clarify usage
0480	PCI.4233	Added code 17	Retail alignment
0480	PCI.C210	Opened up for usage with 4233 = 17	Retail alignment
0550	LIN segment group 15	Changed from Dependent to Required	Clarify usage
0560	LIN.C212.7143	Code UP has had its note amended.	Clarification
0560	LIN.C829	Opened up for Optional usage for sublining for timber.	Timber subgroup
0570	PIA.4347	Code 4 – Substituted for, note amended	Clarification
0590	MEA	Segment aligned with invoice to enable it to provide timber pack tally representation similarly.	Timber subgroup
0590	MEA.C174.6411	Standardised Unit of Measure (UOM) code list	Clarification
0600	QTY segment	Changed from optional to required for despatch quantity.	Clarify usage

0600	QTY.C186.6063	Note on code 21 amended	Clarify usage
0060	QTY.C186.6063	Added code 52 to be used with 6411 = PCE for sublined timber piece quantity in a pack	Clarify usage
0600	QTY.C186.6411	Standardised Unit of Measure (UOM) code list	Clarification
0690	RFF.C506.1154	Changed from R – required to X – not used as the reference number for the order belongs at header level.	Clarification
0690	RFF.C506.1156	Changed from X – not used to R – required as it carries the line item reference from the PO quoted at header level. Note the RFF segment itself is Optional so nevertheless this data is optional.	Clarification
0790	QTY (removed)	Removed. This segment is part of the LOC loop which is only used to specify cross-dock or DTS locations. The quantities to go to each location are then described at a lower level loop such as Tare or Line item.	Clarify usage
0840	PCI.4233	Added code 17	Retail alignment
0860	MEA (removed)	Removed. This segment is part of group 20 PCI loop which sits under the line item and is used to specify marks on the trade item identified in the line. Trade item dimension/measurements details for the line item is already covered by the MEA segment in group 15.	Clarify usage
0870	QTY (removed)	Removed. This segment is part of group 20 PCI loop which sits under the line item and is used to specify marks on the trade item identified in the line. Trade item quantity details for the line item is already covered by the QTY segment in group 15.	Clarify usage
0480	PCI.C210	Opened up for usage with 4233 = 17	Retail alignment
0920	HAN.C524.4078	Changed from Optional to Required if C524 is used	Clarify usage
0960	QVR.C279.6063	Removed some codes, to just leave 21 and 66	Clarify usage

4. Data Content and Structure

Whilst the header data is shown here, the most complex structure in the DESADV occurs in its detail section in which the shipment hierarchy is built using CPS segments. For this reason the hierarchy options are depicted here and whilst there are more segments available in the MIG than shown, it is anticipated that only those shown here will be required in most cases.

HEADER SECTION				
UNH				Message header
BGM				Despatch Advice type (normal, cross dock) and function (original, duplicate, replace)
DTM				Message, despatch, estimated delivery, and collection from 3 rd party site date and times
ALI				Complete or split shipment flag
RFF				Consignment note, invoice and order number references
DTM				Date/time of previous reference
	NAD			Supplier, buyer, shipper, delivery party, ship to, invoicee and ultimate customer party identification
	LOC			Location subordinate to that in preceding NAD
	CTA			Contact name
	COM			and phone number
EQD				Equipment used in the despatch of goods herein

DETAIL SECTION					
CPS	Shipment	Highest level in hierarchy – Mandatory level			
	PAC	Number and type of outer handle-able units e.g. pallets, in this shipment			
	MEA	Physical dimensions (only if there is one single unit)			
	PCI	Type of markings on outer handle-able units – use at tare level if it exists			
	GIN	Literal markings on outer handle-able units – use at tare level if it exists			
	CPS	STORE	Optional level for cross docked or multiple spreadsheet DTS shipments		
		LIN	Dummy segment to introduce following LOC		
		LOC	Store location		
		CPS	Tare	Individual outer handle-able logistics unit level, Optional level	
			PAC	Identify this type of logistics unit, quantity always 1	
			MEA	Physical dimensions of this handle-able unit e.g. pallet	
			PCI	Type of markings on the outer handle-able unit	
			GIN	Literal markings on outer handle-able unit	
			PAC	Total number of packages on this unit e.g. number of cartons	
			CPS	Mixed item	Optional level for non-standard items e.g. mixed carton
				PAC	Number (always 1) and type of unit
				MEA	Physical dimensions of unit
				PCI	Type of markings on item
				GIN	Literal markings on item
				LIN	Items Identifies standard items, GTIN (Mandatory)
				PIA	Identifies standard items (prop.)
				MEA	Item physical dimensions
				QTY	Quantity of this item identified in LIN or PIA
				DTM	Expiry / best before dates
				RFF	Reference to order line item
				PCI	Use for standard item e.g. carton markings
				DTM	Expiry date on this item
				GIN	Literal markings on standard item
				HAN	Hazardous goods / handling
				QVR	Variance from ordered quantity & backorder status
				DTM	Back order delivery date

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 Hardware) 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):

Only those segments in the standard message to be used in this MIG are specified, any segments not used have been omitted for readability. Within the detailed specification of each segment, all data elements are identified, even if they are not used, as placement of data elements within a segment is critical. The *User Status/Attribute* (see below) will indicate whether a particular segment or element is sent or not.

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. Required (Mandatory) Data

The data described below is the minimum required for a syntactically valid message according to this Message Implementation Guideline (MIG).

Trading partners will need to confirm any additionally required fields that may be necessary for trading.

Business descriptor name	Segment
Header	
Despatch Advice Type (e.g. normal, cross dock)	BGM
Despatch Advice number	BGM
Message Function (e.g. Original, replace, duplicate)	BGM
Despatch Advice message date	DTM (header)
Reference to previous document e.g. order, bill of lading etc.	RFF, grp 1
Buyer & Supplier identification	NAD, grp2
Packaging Sequence Hierarchy	
Shipment (highest) level	CPS (7075=1E)
Packages ³	
Either Number or Type of packages must be used	PAC grp 11

³ Must have Packages information at the shipment level.

Line Items	
Line item number	LIN, grp15
Product identifier (EAN GTIN or proprietary) and type	LIN or PIA, grp25
Despatch quantity	QTY, grp 15

7. Sample Messages

This section provides a sample set of dispatch advice messages the most relevant of which depict 5 scenarios. **Example 7.0** is the simplest, depicting a shipment of 35 loose standard cartons shipped directly to one location. Scenarios 7.1 through 7.4 provide examples of combinations of direct to store and cross dock shipments for both standard trade items and mixed or split case shipments as per below:

	<i>Direct to Store (DTS)</i>	<i>Cross dock</i>
<i>Standard trade item</i>	7.1	7.3
<i>Mixed (pick 'n pack) trade item</i>	7.2	7.4

Finally, **example 7.5** depicts the DESADVs required for a DTS shipment of two orders on the same pallet.

Acknowledgement: Thank you to David Jones Limited and Coles Myer for the use of their Despatch Advice templates as a starting point for the messaging examples below.

7.0 Direct delivery of loose standard cartons – example

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

Message data	Explanation
UNH+DESADV1+DESADV:D:96A:UN:EAN005'	Message Header
BGM+351::9+MESSNUM+9'	Despatch advice number MESSNUM
DTM+137:20030429:203'	Message date stamp 29 th April 2003
DTM+11:20030429:203'	Despatch date 11 th April 2003
ALI+++X6+164'	Standard pack shipment
RFF+CN:123456'	Carrier reference 123456
RFF+ON:AS35724'	Order number is AS35724
NAD+BY+9312345678902::9'	Buyer GLN
NAD+SU+9377778123457::9'	Supplier GLN
NAD+ST+931122334455C::9'	Ship to location
CPS+1++1'	Shipment level
PAC+35++CT'	Shipment of 35 cartons
LIN+1++9312345000012:EN'	1 st line item, GTIN
QTY+12:30'	Despatch quantity is 30
PCI+33E'	Cartons marked with SCCC
GIN+BJ+start of range:end of range'	Range of SSCCs
LIN+2++9312345000043:EN'	2 nd line item, GTIN
QTY+12:5'	Despatch quantity is 5
PCI+33E'	Cartons marked with SCCC
GIN+BJ+start of range:end of range'	Range of SSCCs
CNT+2:2'	Number of line items = 2
UNT+22+DESADV1'	Message Trailer

7.1 Direct to Store Delivery of standard (usually homogeneous) cartons – example

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 to be shipped directly to store 2222.

Message data	Explanation
UNH+123456+DESADV:D:96A:UN:EAN005' BGM+351+45678+9' DTM+137:20010430:102' DTM+11:20010430:102' DTM+17:20010503:102' ALI+X6+164'	Message #123456 is a Despatch Advice. DESPATCH ADVICE #45678 DESPATCH ADVICE was created 30 April 2001 Despatch date 30 April 2001 Estimated delivery date 3 May 2001 Standard (homogeneous) cartons, complete order
RFF+ON:F511716/000' DTM+171:981211:102' NAD+BY+9377779876543::9' NAD+ST+2222::92' NAD+SU+80033580::92'	The DESPATCH ADVICE relates to the Retailer X purchase order F511716/000 The order date was 11 April 2001 GLN identifying Buying Group Ship to store 2222 Supplier identified by Retailer X reference number 80033580
CPS+1++1E' PAC+2++09'	Shipment Level (no parent). The shipment contains two pallets
CPS+2+1+2' PAC+1++09' PCI+33E' GIN+BJ+654356798765432123' PAC+32++CT'	Tare level, directly under shipment 1 st pallet Pallet is marked with a SSCC SSCC identifying the 1 st pallet 1 st pallet contains 32 cartons
LIN+1++9323533000899:EN' QTY+12:22' PCI+34E' GIN+EU+9323533000899' PCI+33E' GIN+BJ+start of range:end of range'	Item identified by EAN-13 article number 22 standard trade items despatched Marked with EAN GTIN Literal GTIN marked on all items Market with EAN SSCC Range of SSCC values over 22 items
LIN+2++1932353000905:EN' QTY+12:10' PCI+33E' GIN+BJ+start of range:end of range'	Item identified by EAN-14 article number 10 trade items despatched Trade item marked with SSCCs Range of SSCC values over 10 items
CPS+3+1+2' PAC+1++09'' PCI+33E' GIN+BJ+654356798765432888' PAC+44'	Tare level, directly under shipment 2 nd pallet Pallet is marked with a SSCC SSCC identifying the 2 nd pallet contains 44 units
LIN+3++19323533000912:EN' QTY+12:24' PCI+33E' GIN+BJ+start of range:end of range'	Item identified by EAN-14 article number 24 items have been included Marked with SSCCs Range of SSCCs over trade items
LIN+4++1932353000929:EN' QTY+12:20' PCI+33E'	Item identified by EAN-14 article number 20 items have been included Marked with SSCCs

GIN+BJ+start of range:end of range'
CNT+2:4'
UNT+39+123456'

Range of SSCCs over trade items

Number of LIN segments is 4
Total 39 segments in message 123456

7.2 Direct to Store Delivery of mixed non standard (pick 'n pack) cartons – example

Despatch Advice for order F511716/000 that is to be delivered direct to store. The order contains 5 line items. These lines are packed into 3 cartons.

Message data	Explanation
UNH+123456+DESADV:D:96A:UN:EAN005'	Message #123456 is a Despatch Advice.
BGM+351+45678+9'	DESPATCH ADVICE #45678
DTM+137:20010430:102'	DESPATCH ADVICE was created 30 April 2001
DTM+11:20010430:102'	Despatch date 30 April 2001
DTM+17:20010503:102'	Estimated delivery date 3 May 2001
ALI+X7+164'	Mixed (pick 'n pack) cartons, complete order
RFF+ON:F511716/000'	The DESPATCH ADVICE relates to the Retailer X purchase order F511716/000
DTM+171:981211:102'	The order date was 11 April 2001
NAD+BY+9377779876543::9'	GLN identifying Buying Group
NAD+ST+2222::92'	Ship to store 2222
NAD+SU+80033580::92'	Supplier identified by Retailer X reference number 80033580
CPS+1++1E'	Shipment Level
PAC+3++CT'	The shipment contains three cartons
CPS+2+1+1'	Mixed item, directly under Shipment
PAC+1+++CT'	<i>Only ever one pack</i> , this is a carton
PCI+33E'	Carton marked with SSCC
GIN+BJ+SSCC1'	SSCC of carton (fictitious)
LIN+1++9323533000899:EN'	1 st item inside carton
QTY+12:22'	22 of these inside carton
LIN+2++932378576879C:EN'	2 nd item inside carton
QTY+12:10'	10 of these inside carton
CPS+3+1+1'	Mixed item, directly under Shipment
PAC+1+++CT'	Next carton (no markings)
LIN+3++934568675645C:EN'	1 st item inside carton
QTY+12:50'	50 of these in the carton
CPS+4+1+1'	Mixed item, directly under Shipment
PAC+1+++CT'	<i>Only ever one pack</i> , this is a carton
PCI+33E'	Carton marked with SSCC
GIN+BJ+SSCC2	SSCC if carton (fictitious)
LIN+4++19323533000912:EN'	Item identified by EAN-14 GTIN
QTY+12:24'	24 items despatched
LIN+5++1935768574654C:EN'	Next item identified by EAN-14 GTIN
QTY+12:5'	5 of these despatched in this carton
CNT+2:5'	Number of LIN segments is 5
UNT+39+123456'	Total 39 segments in message 123456

7.3 Cross Dock Delivery of standard (usually homogeneous) cartons – example

Despatch Advice for order F511716/000 that is to be cross docked via a Distribution Centre (DC) identified in the header. The order contains 4 lines. These lines are packaged on 2 pallets – one for Store-A the other for StoreB.

Message data	Explanation
UNH+123456+DESADV:D:96A:UN:EAN005'	Message #123456 is a Despatch Advice.
BGM+YA5+45678+9'	Cross dock⁴ DESPATCH ADVICE #45678
DTM+137:20010430:102'	DESPATCH ADVICE was created 30 April 2001
DTM+11:20010430:102'	Despatch date 30 April 2001
DTM+17:20010503:102'	Estimated delivery date 3 May 2001
ALI+X6+164'	Standard (homogeneous) cartons, complete order
RFF+ON:F511716/000'	The DESPATCH ADVICE relates to the Retailer X purchase order F511716/000
DTM+171:981211:102'	The order date was 11 April 2001
NAD+BY+9377779876543::9'	GLN identifying Buying Group
NAD+ST+934565454321C::9'	Ship to Distribution Centre identified by GLN
NAD+SU+80033580::92'	Supplier identified by Retailer X reference number 80033580
CPS+1++1E'	Shipment Level (no parent).
PAC+2++09'	The shipment contains two pallets
CPS+2+1+3'	Store level – Store A
LIN+0'	Dummy segment
LOC+8+STORE-A::92'	Store A: not the ship to location but the ultimate (pack for) destination
CPS+3+2+2'	Tare level, directly under Store A
PAC+1++09'	1 st pallet
PCI+33E'	Pallet is marked with a SSCC
GIN+BJ+654356798765432123'	SSCC identifying the 1 st pallet
PAC+32++CT'	Contains 32 cartons
LIN+1++9323533000899:EN'	Item identified by EAN-13 article number
QTY+12:22'	22 standard trade items despatched
PCI+34E'	Marked with EAN GTIN
GIN+EU+9323533000899'	Literal GTIN marked on all items
LIN+2++1932353000905:EN'	Item identified by EAN-14 article number
QTY+12:10'	10 trade items despatched
PCI+33E'	Trade item marked with SSCCs
GIN+BJ+start of range:end of range'	Range of SSCC values over 10 items

⁴ Note: Some retailers will never use explicit code “YA5” to indicate a cross dock despatch advice. Instead they rely on the combination of the DC in the header and store details at store levels to signify a cross dock message. Absence of a ship-to location in the header implies a DTS to the nominated stores at store level or alternatively, when the same line item is going to multiple stores the LOC/QTY loop under the LIN may be used to nominate stores.

<p>CPS+4+1+3' LIN+0' LOC+8+STORE-B::92'</p> <p>CPS+5+4+2' PAC+1++09' PCI+33E' GIN+BJ+654356798765432888' PAC+44'</p> <p>LIN+3++19323533000912:EN' QTY+12:24' PCI+33E' GIN+BJ+start of range:end of range'</p> <p>LIN+4++19323530000929:EN' QTY+12:20' PCI+33E' GIN+BJ+start of range:end of range'</p>	<p>Store level – Store B Dummy segment Store B: not the ship to location but the ultimate (pack for) destination</p> <p>Tare level, directly under Store B 2nd pallet Pallet is marked with a SSCC SSCC identifying the 2nd pallet Contains 44 units</p> <p>Item identified by EAN-14 article number 24 items have been included Marked with SSCCs Range of SSCCs over trade/logistics items</p> <p>Item identified by EAN-14 article number 20 items have been included Marked with SSCCs Range of SSCCs over trade/logistics items</p>
<p>CNT+2:4' UNT+47+123456'</p>	<p>Number of LIN segments is 4 Total 45 segments in message 123456</p>

7.4 Cross Dock Delivery of mixed non standard (pick 'n pack) cartons – example

Despatch Advice for order F511716/000 that is to be delivered direct to store. The order contains 5 line items. These lines are packaged on 2 pallets.

Message data	Explanation
UNH+123456+DESADV:D:96A:UN:EAN005'	Message #123456 is a Despatch Advice.
BGM+YA5+45678+9'	Cross dock⁵ DESPATCH ADVICE #45678
DTM+137:20010430:102'	DESPATCH ADVICE was created 30 April 2001
DTM+11:20010430:102'	Despatch date 30 April 2001
DTM+17:20010503:102'	Estimated delivery date 3 May 2001
ALI+X7+164'	Mixed (pick 'n pack) cartons, complete order
RFF+ON:F511716/000'	The DESPATCH ADVICE relates to the Retailer X purchase order F511716/000
DTM+171:981211:102'	The order date was 11 April 2001
NAD+BY+9377779876543::9'	GLN identifying Buying Group
NAD+ST+934565456789C::9'	Ship to DC as identified
NAD+SU+80033580::92'	Supplier identified by Retailer X reference number 80033580
CPS+1++1E'	Shipment Level (no parent).
PAC+3++CT'	The shipment contains three cartons
CPS+2+1+3'	Store level: Store X
LIN+0'	Dummy segment
LOC+8+STORE-X::92'	Store-X: this is not the Ship-to location rather the pack for destination
CPS+3+2+1'	Mixed item, directly under Store X
PAC+1++CT'	Only ever one pack, this is a carton
PCI+33E'	Carton marked with SSCC
GIN+BJ+SSCC1'	SSCC of carton (fictitious)
LIN+1++9323533000899:EN'	1 st item inside carton
QTY+12:22'	22 of these inside carton
LIN+2++932378576879C:EN'	2 nd item identified by EAN-13 GTIN
QTY+12:10'	10 of these inside carton
CPS+4+2+1'	Mixed item, directly under Store X
PAC+1++CT'	Next carton (no markings)
PCI+33E'	Carton marked with SSCC
GIN+BJ+SSCC2'	SSCC of carton (fictitious)
LIN+3++934568675645C:EN'	1 st item inside carton
QTY+12:50'	50 of these in the carton
CPS+5+1+3'	Store level: Store Y
LIN+0'	Dummy segment
LOC+8+STORE-Y::92'	Store-Y: this is not the Ship-to location rather the pack for destination
CPS+6+5+1'	Mixed item level, directly under Store Y
PAC+1++CT'	Only ever one pack, this is a carton
PCI+33E'	Carton marked with SSCC
GIN+BJ+SSCC2	SSCC if carton (fictitious)

⁵ Note: Some retailers will never use explicit code "YA5" to indicate a cross dock despatch advice. Instead they rely on the combination of the DC in the header and store details at store levels to signify a cross dock message. Absence of a ship-to location in the header implies a DTS to the nominated stores at store level.

LIN+4++19323533000912:EN'
QTY+12:24'
LIN+5++1935768574654C:EN'
QTY+12:5'

Item identified by EAN-14 GTIN
24 items despatched
Next item identified by EAN-14 GTIN
5 of these despatched in this carton

CNT+2:5'
UNT+48+123456'

Number of LIN segments is 5
Total 48 segments in message 123456

7.5 Multiple Orders packed into one Container - example

Note that many retailers are stipulating that only one order may be physically packed into a container, pallet or bag etc. and that if suppliers wish to send two or more orders in one shipment, they must be packed in separate containers as well as having separate Despatch Advices.

WARNING: It is necessary to confer with your trading partners to ascertain acceptable packing practices.

Scenario: 2 orders packed onto one pallet. Despatch Advice messages #1 and #2 below can enable the receipt of the single pallet that contains 2 purchase orders; ORDNO1 (2 line items) and ORDNO2 (1 line item) both on pallet with SSCC 312345678901234567. This upholds the rule: one DESADV per PO, but not the one order per pack rule.

In this scenario the receiver would scan the pallet SSCC once, and receive items on all incoming DESADV messages that quote this SSCC.

DESPATCH ADVICE #1	
Message data	Explanation
UNH+1+DESADV:D:96A:UN:EAN005'	Message #1 is a Despatch Advice.
BGM+351+45678+9'	DESPATCH ADVICE #45678
DTM+137:20010430:102'	DESPATCH ADVICE was created 30 April 2001
DTM+11:20010430:102'	Despatch date 30 April 2001
DTM+17:20010503:102'	Estimated delivery date 3 May 2001
ALI+X6+164'	Standard pack shipment complete order
RFF+ON:ORDNO1'	The DESPATCH ADVICE relates to the Retailer X purchase ORDNO1
DTM+171:981211:102'	The order date was 11 April 2001
NAD+BY+9377779876543::9'	GLN identifying Buying Group
NAD+ST+STORE-123::92'	Ship to STORE-123
NAD+SU+80033580::92'	Supplier identified by Retailer X Limited reference number 80033580
CPS+1++1E'	Shipment Level (no parent).
PAC+1++09'	The shipment contains one pallet.
CPS+2+1+2'	Tare level, directly under shipment
PAC+1++09'	1 st Pallet
PCI+33E'	Pallet is marked with a SSCC
GIN+BJ+312345678901234567'	SSCC identifying the pallet
PAC+37++CT'	Contains 37 cartons
LIN+1++19323533000899:EN'	Item identified by EAN-14 article number
QTY+12:10'	10 trade items despatched
PCI+33E'	Carton marked with SSCC for sorting
GIN+BJ+SSCC1:SSCC10'	Cartons' SSCC range
LIN+2++932353000905:EN'	Item identified by EAN-13 article number
QTY+12:12'	12 trade items despatched
PCI+33E'	Carton marked with SSCC for sorting
GIN+BJ+SSCC11:SSCC22'	Cartons' SSCC range
CNT+2:2'	Number of LIN segments is 2
UNT+28+123456'	Total 28 segments in message 1

DESPATCH ADVICE #2	
Message data	Explanation
UNH+2+DESADV:D:96A:UN:EAN005'	Message #2 is a Despatch Advice.
BGM+351+45679+9'	DESPATCH ADVICE #45679
DTM+137:20010430:102'	DESPATCH ADVICE was created 30 April 2001
DTM+11:20010430:102'	Despatch date 30 April 2001
DTM+17:20010503:102'	Estimated delivery date 3 May 2001
ALI+X6+164'	Standard pack shipment complete order
RFF+ON:ORDNO2'	The DESPATCH ADVICE relates to purchase ORDNO2
DTM+171:981211:102'	The order date was 11 April 2001
NAD+BY+9377779876543::9'	GLN identifying Buying Group
NAD+ST+2222::92'	Ship to store 2222
NAD+SU+80033580::92'	Supplier identified by Retailer X reference number 80033580
CPS+1++1E'	Shipment Level (no parent).
PAC+1++09'	The shipment contains one pallet.
CPS+2+1+2'	Tare level, directly under shipment
PAC+1++09'	Outer packaging level, one pallet
PCI+33E'	Pallet is marked with a SSCC
GIN+BJ+312345678901234567'	SSCC identifying the SAME pallet
PAC+37++CT'	Contains 37 cartons
LIN+1++19323533000899:EN'	Item identified by EAN-14 article number
QTY+12:15'	15 items despatched
PCI+33E'	Cartons marked with SSCC
GIN+BJ+654356798765432199:SSCC15'	Cartons' SSCC range
CNT+2:1'	Number of LIN segments is 1
UNT+24+2'	Total 24 segments in message 2

8. Implementation Notes:

Retail Basis for Hardware MIGs:

Note that each Hardware industry MIG has been based on existing Retail (grocery and general merchandise) MIGs. This is because the retail industry has had experience in implementation and are common customers with many Hardware industry suppliers.

When trading with Retail industry customers, it may be necessary to either send extra data as required by the retailer, or it may be that as a Hardware supplier you require extra data to be sent to you by the retailer.

For suppliers, all data required to be sent to the general merchandise retailers has been included in these Hardware MIGs to comply with their data receipt requirements. On the receiving side, there is very little data that has been added to these Hardware MIGs that is not currently supported in the Retail MIGs. An example of this data would be the sub-lining added for timber purposes, which customers would need to use when specifying piece lengths for cut to length packs. In such scenarios, it may be that suppliers will have to negotiate the receipt of this extra data from customers who may not be currently providing it on purchase orders.

Back Orders:

Whether or not backordering is allowed is to be agreed between trading partners. As this is usually done outside the dynamic messaging environment, there is no dynamic flag within any Hardware MIG to specify whether or not an ordered item may be placed on back order if it cannot be supplied initially. However, for those for whom back orders are allowable, the Purchase Order Response message does allow the supplier to acknowledge that part or all of the order has been placed on back order.

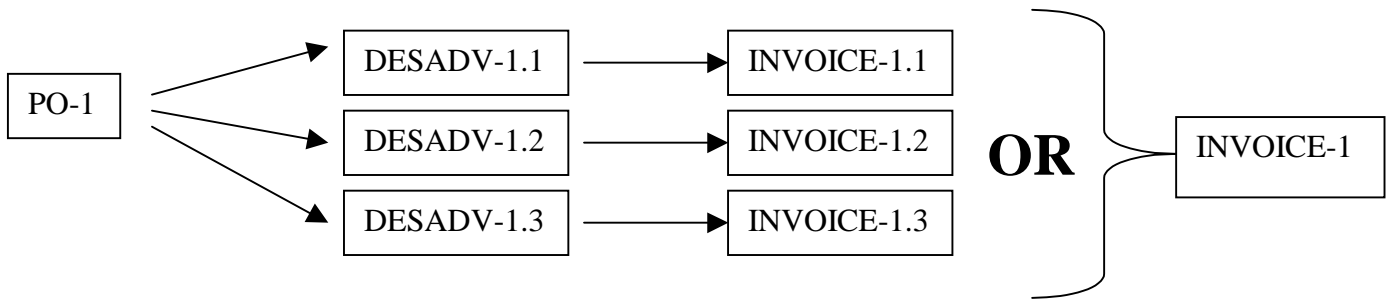
Substitutions:

The ORDRSP, DESADV and INVOICE messages all contain provisions for handling substitutions. They all use the PIA segment (4347 = 4) to carry the item originally ordered, whilst the substituted item is returned in the LIN segment. This functionality should only be used where substitutions are allowed within the trading partner relationship.

Relationship of Purchase Orders, to Despatch Advice and Invoice:

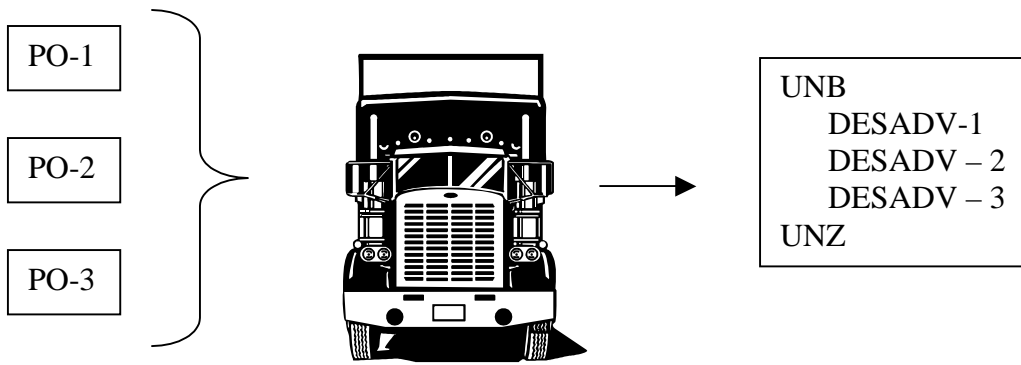
The RFF – Reference segment at both message header and detail levels are used to make reference links to other related documents. In the dispatch advice, the RFF (header) may reference a previous purchase order. The RFF (detail) may reference the line # on that previous document.

A purchase order may be split across multiple deliveries. There must be a separate DESADV per delivery (see **Implementation Rule 4 below**). There may be a separate invoice per delivery also, or there may be one invoice consolidating all dispatches back to the original purchase order. See diagram 1 below:



- Diagram 1 -

Alternatively, multiple purchase orders may be consolidated into one shipment. This shipment will require a DESADV per Purchase Order. The multiple DESADV messages may all be consolidated into a manifest and sent as a single EDI interchange. See diagram 2 below:



- Diagram 2 -

Despatch Advice Implementation Rules – general

These implementation rules below need to be verified in the Retail, Hardware and other industries.

1. The despatch advice message may be used to indicate the despatch of goods to be delivered, or the despatch of goods being returned.
2. The message should always be sent such that it is timed to be available to the receiver well ahead of the expected delivery.
3. Each despatch advice relates to only one purchase order if possible. This means there may be multiple despatch advices to cover the one purchase order. It also means there must only be one purchase order only (or part thereof) covered by a despatch advice.
4. 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.
5. Physical pack rules: one order per container unless otherwise agreed with your Trading Partner.
6. 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).
7. The Shipment Level is Required (mandatory) on every Despatch Advice.
8. Line items (LIN) to be expressed at the lowest packaging level, (also may be used as a dummy to introduce the store level LOC).
9. A Tare (e.g. pallet) that is being shipped to a DC to be broken down for routing cartons to multiple store destinations, will be shown at Tare level, directly under Store level. (The store level will show the LOC of the destination store).
10. Although the MIG currently shows many other segments, it is proposed that only those shown in the examples in section 7. to be used – remainder to be reviewed for relevance.

Timber Industry Implementation Scenarios for Despatch Advice:

Below is a brief synopsis of how these user segments could be implemented to support the flexibility of pack despatching required in the timber industry:⁶

CPS – Shipment level

PAC – contains 3 packs (2 x GTIN1 and 1 x GTIN2)

LIN+1.... GTIN1 identifying first 2 packs (line item level)

QTY - Despatched quantity in GTIN implicit UOM i.e. EA (2 packs)

QTY - Despatched quantity in alternate UOM, normally pricing UOM (e.g. total MTRs)

RFF - Reference to original line item on purchase order

PCI/GIN SSCCs that may be on the packs

LIN+2 - 1st subline for 1st pack (pack level)

QTY - Despatched quantity (e.g. total MTRs)

RFF - pack serial #

LIN+3 - 1st sub-subline for pack contents level i.e. start of pack tally

MEA – piece length

QTY – number of pieces

LIN+4 - 2nd sub-subline for next piece

MEA – piece length

QTY – number of pieces

1st pack tally

LIN+5 - 2nd subline for 2nd pack (pack level)

QTY – Despatched quantity (e.g. total MTRs)

RFF - pack serial #

LIN+6 - 3rd sub-subline i.e. start of next pack tally

MEA - piece length

QTY – number of pieces

2nd pack tally

LIN+7... GTIN2 identifying 3rd pack (line item level)

....etc.

Note: No “Tare” level is shown in this example as timber packs are trade items in their own right allocated GTINs. Therefore the line items identifying these packs can sit directly below “Shipment” level.

⁶ For additional information please refer to the document developed by the 2002 Timber Subgroup of the Hardware Industry B2B Electronic Commerce Project: *Identification of Timber with the EAN/UCC Numbering Standard – Product Variability Considerations (Version 1.0)*.

DESADV Despatch Advice Message

Notes:

Hardware Industry Despatch Advice, Implementation v1.0 April 2003

(Based on Australian Retail Industry Message Guideline)

BUSINESS RULES:

The DESADV message may be used to indicate the despatch of goods to be delivered, or the despatch of goods being returned.

The message should always be sent, timed to be available to the receiver, before the goods are physically delivered or returned.

Each DESADV relates to one Purchase Order only. However a Purchase Order may be split across a number of deliveries. Each delivery must be accompanied by a DESADV. This means that a DESADV cannot be split over multiple deliveries/trucks.

Where invoicing is used (ie. in a non-ERS scenario) each DESADV should only relate to a single invoice ie. a single invoice should not cover multiple DESADVs. However the Hardware industry will accept multiple DESADVs per INVOIC.

Heading Section:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
3	0010	UNH	Message Header	M	M	1		
4	0020	BGM	Beginning of Message	M	M	1		
5	0030	DTM	Date/Time/Period	C	R	10		
6	0040	ALI	Additional Information	C	O	5		
	0070		Segment Group 1	C	R		10	
8	0080	RFF	Reference	M	M	1		
9	0090	DTM	Date/Time/Period	C	O	1		
	0100		Segment Group 2	C	R		10	
11	0110	NAD	Name and Address	M	M	1		
14	0120	LOC	Place/Location Identification	C	O	10		
	0160		Segment Group 4	C	O		10	
16	0170	CTA	Contact Information	M	M	1		
17	0180	COM	Communication Contact	C	R	5		
	0290		Segment Group 8	C	O		10	
19	0300	EQD	Equipment Details	M	M	1		

Detail Section:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
	0370		Segment Group 10	C	R		9999	
21	0380	CPS	Consignment Packing Sequence	M	M	1		
	0400		Segment Group 11	C	D		9999	
23	0410	PAC	Package	M	M	1		
25	0420	MEA	Measurements	C	O	10		
	0470		Segment Group 13	C	O		1000	
27	0480	PCI	Package Identification	M	M	1		
	0520		Segment Group 14	C	D		99	

Hardware Industry EDI Message Implementation Guidelines

29	0530	GIN	Goods Identity Number	M	M	1	
	0550		Segment Group 15	C	R	9999	
31	0560	LIN	Line Item	M	M	1	
33	0570	PIA	Additional Product Id	C	D	10	
36	0590	MEA	Measurements	C	O	10	
37	0600	QTY	Quantity	C	R	10	
38	0650	DTM	Date/Time/Period	C	O	5	
	0680		Segment Group 16	C	O	10	
40	0690	RFF	Reference	M	M	1	
	0750		Segment Group 18	C	O	100	
42	0760	LOC	Place/Location Identification	M	M	1	
	0830		Segment Group 20	C	O	9999	
44	0840	PCI	Package Identification	M	M	1	
45	0850	DTM	Date/Time/Period	C	O	5	
	0880		Segment Group 21	C	D	10	
47	0890	GIN	Goods Identity Number	M	M	1	
	0910		Segment Group 22	C	O	10	
49	0920	HAN	Handling Instructions	M	M	1	
	0950		Segment Group 23	C	O	10	
51	0960	QVR	Quantity Variances	M	M	1	
52	0970	DTM	Date/Time/Period	C	O	5	

Summary Section:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
53	0980	CNT	Control Total	C	O	5		
54	0990	UNT	Message Trailer	M	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.
 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 96A 0051 UN

Notes: Segment Notes.

DE's 0065, 0052, 0054, and 0051: Indicate that the message is a UNSM Despatch Advice message based on the D.96A directory under the control of the United Nations.

DE0057: Indicates that the message is the EANCOM version 005 of the UNSM Despatch Advice.

Example :

UNH+ME000001+DESADV:D:93A:UN:EAN004'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0062		MESSAGE REFERENCE NUMBER	M an..14	M
		Senders unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be identical. Sender generated.		
S009	0065	MESSAGE IDENTIFIER	M	M
		Message type identifier	M an..6	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>DESADV Despatch advice message</i>		
	0052	Message type version number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>D Draft directory</i>		
	0054	Message type release number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>96A Version 96A</i>		
	0051	Controlling agency	M an..2	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</i>		
	0057	Association assigned code	C an..6	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>EAN005 EAN Version control number.</i>		
0068		COMMON ACCESS REFERENCE	C an..35	X
S010		STATUS OF THE TRANSFER	C	X
	0070	Sequence message transfer number	M n..2	X
	0073	First/last sequence message transfer indication	C a1	X

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: Segment Notes.

All references other than the document number DE 1004 are to be put in the RFF segment.

DE 1004: It is recommended that the length of the document number be restricted to a maximum of 17 characters.

Example :

BGM+351+DES587441'

Dependency Notes :

Data element 3055 is only included when the EAN code value 35E to indicate returns advice is used.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>	
C002	1001	DOCUMENT/MESSAGE NAME	C	R	
		Document/message name, coded	C an..3	R	
		THIS HAS AN EANCOM RESTRICTED CODE LIST.			
		351	<i>Despatch advice</i>		
		35E	<i>Returns advice (EAN Code)</i>		
		Not Used by Retail Industry			
		YA5	<i>Cross Dock Despatch Advice</i>		
		1131	Code list qualifier	C an..3	X
		3055	Code list responsible agency, coded	C an..3	D
		THIS HAS AN EANCOM RESTRICTED CODE LIST.			
1004	1000	9	<i>EAN (International Article Numbering association)</i>		
		Document/message name	C an..35	O	
		DOCUMENT/MESSAGE NUMBER	C an..35	R	
Despatch Advice number assigned by the document sender.					
1225		MESSAGE FUNCTION, CODED	C an..3	R	
		THIS HAS AN EANCOM RESTRICTED CODE LIST.			
		5	<i>Replace</i>		
		7	<i>Duplicate</i>		
		A retransmission involving the same parties on the specific request of the receiver.			
4343		9	<i>Original</i>		
		An original transmission of a Despatch advice			
		RESPONSE TYPE, CODED	C an..3	X	

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: Segment Notes.

This segment is used to specify the date of the Despatch Advice or any dates related to the delivery of goods.

DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in the despatch advice.

Example :

DTM+137:19971101:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		11	<i>Despatch date and or time</i>	
		17	<i>Delivery date/time, estimated</i>	
		137	<i>Document/message date/time</i>	
			Required	
		234	<i>Collection date/time, earliest</i>	
			Used when the shipment is going to a 3rd party site. The date/time it will be available for collection from that location.	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102	CCYYMMDD	
		203	CCYYMMDDHHMM	

Segment: **ALI** Additional Information
Position: 0040
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment indicating that the message is subject to special conditions due to origin, customs preference or commercial factors.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3239		COUNTRY OF ORIGIN, CODED	C an..3	X
9213		TYPE OF DUTY REGIME, CODED	C an..3	X
4183		SPECIAL CONDITIONS, CODED	C an..3	R
		<i>X6 Standard Pack Shipment</i>		
		<i>X7 Pick Pack Shipment</i>		
4183		SPECIAL CONDITIONS, CODED	C an..3	R
		<i>164 Complete Shipment</i>		
		This DESADV covers a complete order.		
		<i>165 Split Shipment</i>		
		This DESADV is for the partial shipment of an order, which may follow in subsequent DESADV messages.		
4183		SPECIAL CONDITIONS, CODED	C an..3	X
4183		SPECIAL CONDITIONS, CODED	C an..3	X
4183		SPECIAL CONDITIONS, CODED	C an..3	X

Group: **RFF** Segment Group 1: Reference
Position: 0070
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 10
Purpose: A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.
Notes: Each DESADV must refer back to a previous document, usually the purchase order.

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	0080	RFF	Reference	M	1	
R	0090	DTM	Date/Time/Period	C	1	

Segment: **RFF** Reference
Position: 0080 (Trigger Segment)
Group: SG1
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: Segment Notes.

This segment is used to provide references that apply to the whole transaction.

Example :

RFF+AAJ:12332'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506	1153	REFERENCE Reference qualifier	M M an..3	M M
THIS HAS AN EANCOM RESTRICTED CODE LIST.				
		<i>AAN</i> <i>Delivery schedule number</i>		
				Buyer's delivery or booking #
		<i>BM</i> <i>Bill of lading number</i>		
		<i>BO</i> <i>Blanket order number</i>		
		<i>CN</i> <i>Carrier's reference number</i>		
				e.g. consignment note number
		<i>IV</i> <i>Invoice number</i>		
		<i>ON</i> <i>Order number (purchase)</i>		
	1154	Reference number	C an..35	R
	1156	Line number	C an..6	X
	4000	Reference version number	C an..35	X

Segment: **DTM** Date/Time/Period
Position: 0090
Group: SG1
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: Date/time/period from the referred document.

Notes: Segment Notes.

This segment is used to specify dates relating to the references given in the previous RFF segment.

DTM+171:19971101:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
THIS HAS AN EANCOM RESTRICTED CODE LIST.				
		<i>171 Reference date/time</i>		
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		<i>102 CCYYMMDD</i>		

Group: **NAD** Segment Group 2: Name and Address
Position: 0100
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 10
Purpose: A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0110	NAD	Name and Address	M	1	
O	0120	LOC	Place/Location Identification	C	10	
	0160		Segment Group 4: Contact Information	C		10

Segment: **NAD** Name and Address
Position: 0110 (Trigger Segment)
Group: SG2
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: Segment Notes.

This segment is used to identify the trading partners involved in the Despatch Advice message. Identification of the supplier and buyer is mandatory in the Despatch Advice. Identification of the shipper and delivery party is recommended, when different from the supplier or buyer.

The delivery address in NAD is the main delivery address valid for all line items. It can be overridden at line level by the use of the Segment Group 18 (LOC-DTM-QTY) in which multiple delivery addresses can be specified for split deliveries.

If coded address information can not be used it is recommended to use a structured address (C080 through 3207).

DE 3039: For identification of parties it is recommended to use EAN location numbers.

Example :

NAD+SH+5411234512300::9'
 NAD+CZ+5412345123450::9'

Dependency Notes :

The following composites and data elements are only used when a coded name and address can not be used. The affected composites and data elements are as follows:

C080 - C059 - 3164 - 3229 - 3251 - 3207

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3035		PARTY QUALIFIER	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>BS</i>	<i>Bill and ship to</i>	
		<i>BY</i>	<i>Buyer</i>	
			For the Hardware industry the party identified by the code BY refers to the store or a buying group.	
		<i>IV</i>	<i>Invoicee</i>	
			For the Hardware industry, the code IV refers to the party to whom the invoice is sent.	
		<i>ST</i>	<i>Ship to</i>	
		<i>SU</i>	<i>Supplier</i>	
		<i>UD</i>	<i>Ultimate customer</i>	
			Use UD only when the whole order is to be delivered to the ultimate customer who has usually purchased the item(s) for direct	

				to home delivery. When code UD is used, the name and address of the customer must be specified in the NAD segment.
C082		PARTY IDENTIFICATION DETAILS	C	D
		Dependency rule: Must be used for all 3035 qualifiers except "UD" when it must not be used.		
	3039	Party id. identification	M	an..35 M
		EAN Location Code - Format n13 EAN recommends the use of EAN Location & EC numbers for EANCOM compliance . For Aust. & NZ domestic only, where EAN location numbers are not available, eg. because of migration, non-EAN location numbers can be used in the NAD segment.		
	1131	Code list qualifier	C	an..3 X
	3055	Code list responsible agency, coded	C	an..3 R
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		9	<i>EAN (International Article Numbering association)</i> Use code 9 when an EAN Global Location Number (GLN) is used as the party or location identification.	
		91	<i>Assigned by seller or seller's agent</i> While EAN Global Location Numbers are recommended for party and location identification, this code allows for companies that have legacy systems with non-EAN numbers and/or are in the process of migration.	
		92	<i>Assigned by buyer or buyer's agent</i> While EAN Global Location Numbers are recommended for party and location identification, this code allows for companies that have legacy systems with non-EAN numbers and/or are in the process of migration.	
C058		NAME AND ADDRESS	C	X
	3124	Name and address line	M	an..35 X
	3124	Name and address line	C	an..35 X
	3124	Name and address line	C	an..35 X
	3124	Name and address line	C	an..35 X
	3124	Name and address line	C	an..35 X
C080		PARTY NAME	C	D
		Dependency rule: Must be used if 3035 = UD (ultimate customer) because these subsequent fields contain the name and address of the customer.		
	3036	Party name	M	an..35 M
		Party name in clear text e.g. Ms G Smith		
	3036	Party name	C	an..35 O
		Second iteration may be used to carry a "care of" name e.g. c/o M Parker		
	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, coded	C	an..3 X
C059		STREET	C	D
		Dependency rule: Must be used if 3035 = UD.		
	3042	Street and number/p.o. box	M	an..35 M
	3042	Street and number/p.o. box	C	an..35 O
	3042	Street and number/p.o. box	C	an..35 O
	3042	Street and number/p.o. box	C	an..35 O
3164		CITY NAME	C	an..35 D
		Dependency rule: Must be used if 3035 = UD. City/Town, clear text e.g. ADELAIDE		
3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9 D
		Dependency rule: Must be used if 3035 = UD. County/State in clear text e.g. SA		
3251		POSTCODE IDENTIFICATION	C	an..9 D
		Dependency rule: must be used if 3035 = UD. Postal Code		

3207

COUNTRY, CODED

C an..3 D

Dependency rule: May be used (for overseas use only) when 3035 = UD.
(ISO 3166 two alpha code)

Segment: **LOC** Place/Location Identification
Position: 0120
Group: SG2
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.

Notes: Hardware: May be used to specify further location information about a direct to home delivery.
 Retail: May optionally use this segment for a location subordinate to that identified in the preceding NAD segment.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3227		PLACE/LOCATION QUALIFIER	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		7 <i>Place of delivery</i>		
C517		LOCATION IDENTIFICATION	C	R
	3225	Place/location identification	C an..25	D
		Dependency rule: Must be used if de 3224 is not used.		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		Optional for Retail		
		9 <i>EAN (International Article Numbering association)</i>		
		91 <i>Assigned by seller or seller's agent</i>		
		92 <i>Assigned by buyer or buyer's agent</i>		
		ZZZ <i>Mutually defined</i>		
	3224	Place/location	C an..70	D
		Dependency rule: May be used only when Direct to Home location is provided in preceding NAD segment.		
C519		RELATED LOCATION ONE IDENTIFICATION	C	X
	3223	Related place/location one identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3222	Related place/location one	C an..70	X
C553		RELATED LOCATION TWO IDENTIFICATION	C	X
	3233	Related place/location two identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3232	Related place/location two	C an..70	X
5479		RELATION, CODED	C an..3	X

Group: **CTA** Segment Group 4: Contact Information
Position: 0160
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments to identify the people, functions, departments and appropriate numbers to whom communication should be directed.

Segment Summary

	Pos.	Seg.	Name	Req.	Max.	Group:
	No.	ID		Des.	Use	Repeat
M	0170	CTA	Contact Information	M	1	
R	0180	COM	Communication Contact	C	5	

Segment: **CTA Contact Information**
Position: 0170 (Trigger Segment)
Group: SG2-SG4
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the person, function or department to whom communication should be directed.
Notes: Segment Notes.

This segment is used to identify contact names within the company specified in the NAD segment. The use of EAN location codes is particularly suitable for this purpose.

Example :

CTA+TR+:W MILLS'

CTA+TR+54123450000013'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3139		CONTACT FUNCTION, CODED	C an..3	R
		<i>HE</i> <i>Emergency dangerous goods contact</i>		
		<i>TR</i> <i>Transport contact</i>		
C056		DEPARTMENT OR EMPLOYEE DETAILS	C	R
	3413	Department or employee identification	C an..17	O
	3412	Department or employee	C an..35	R

Segment: **COM** Communication Contact
Position: 0180
Group: SG2-SG4
Level: 3
Usage: Conditional (Required)
Max Use: 5
Purpose: A segment to identify communication types and numbers for the person, function or department identified in the CTA.

Notes: Segment Notes.

This segment identifies the communications number and type of communications, for the person or department identified in the preceding CTA segment.

Example :

COM+004461879523:FX'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C076		COMMUNICATION CONTACT	M	M
	3148	Communication number	M an..512	M
	3155	Communication channel qualifier <i>TE Telephone</i>	M an..3	M

Group: **EQD** Segment Group 8: Equipment Details
Position: 0290
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.
Notes: EQD group: Optional for Retail

Note: the Retail industry has yet to specify exactly how this segment is to be implemented. It has been included for alignment to Retail as it is in the current Retail MIG as shown here.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0300	EQD	Equipment Details	M	1	

Segment: **EQD** Equipment Details
Position: 0300 (Trigger Segment)
Group: SG8
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: 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.
Notes: Segment Notes.

This segment is used to provide information on equipment which will be used in the despatch of the products ordered.

Example :

EQD+CN+93221'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
8053		EQUIPMENT QUALIFIER	M an..3	M
		<i>CN</i> <i>Container</i>		
		<i>TE</i> <i>Trailer</i>		
C237		EQUIPMENT IDENTIFICATION	C	O
	8260	Equipment identification number	C an..17	R
		Truck registration number, container number.		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3207	Country, coded	C an..3	X
C224		EQUIPMENT SIZE AND TYPE	C	X
	8155	Equipment size and type identification	C an..10	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	8154	Equipment size and type	C an..35	X
8077		EQUIPMENT SUPPLIER, CODED	C an..3	X
8249		EQUIPMENT STATUS, CODED	C an..3	X
8169		FULL/EMPTY INDICATOR, CODED	C an..3	X

Group: **CPS** Segment Group 10: Consignment Packing Sequence
Position: 0370
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. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.
Notes: The DESADV is designed to represent the physical shipment. As such, its structure is driven by the physical packaging levels / product groupings that make up the shipment.
 Each CPS loop represents a level or grouping. When multiple levels (ie. broken down below Shipment level) are shown, the subordinate CPS segments link back to the parent CPS level (see diagram in preamble).
 The CPS levels represented in this MIG are:
 SHIPMENT, STORE, PALLET (Handleable Unit) and Trade Unit (e.g. carton) levels, with line items detailed within level(s).

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	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: SG10
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: Segment Notes.

This segment is used to identify the sequence in which packing of the consignment occurs.

Please refer to the Structure of the Despatch Advice Message section in the introduction for details on the use of the CPS segment (see pages 2 to 5).

Example :

CPS+1'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
7164		HIERARCHICAL ID. NUMBER	M an..12	M
		Number given to this CPS record - sequential numbering recommended		
7166		HIERARCHICAL PARENT ID.	C an..12	D
		Number of Parent CPS record.		
		Dependency rule: Must be used if 7075 = codes 1, 2 or 3.		
7075		PACKAGING LEVEL, CODED	C an..3	R
	<i>1</i>	Inner		
		Indicates level immediately subordinate to shipment or tare level.		
	<i>2</i>	Intermediate		
		Indicates pallet/tare level.		
	<i>3</i>	Outer		
		Indicates "Final" Location Level (i.e. Store)		
	<i>1E</i>	Shipment		
		Shipment level totals		

Group: **PAC** Segment Group 11: Package
Position: 0400
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Dependent)
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.
Notes: Must be used at Shipment level, may be used at other levels.

So, this is a PAC loop can be used to show number and type of packages at current level (e.g. 3 pallets at shipment level, 1 pallet at pallet level and repeated within the pallet to say 64 cartons on that pallet).

Dependency rule: This loop must be used if CPS.7075 = 1E (Shipment) and the LIN loop is not used.

Segment Summary

	Pos.	Seg.	Name	Req.	Max.	Group:
	No.	ID		Des.	Use	Repeat
M	0410	PAC	Package	M	1	
O	0420	MEA	Measurements	C	10	
	0470		Segment Group 13: Package Identification	C		1000

Segment: **PAC** Package
Position: 0410 (Trigger Segment)
Group: SG10-SG11
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: Segment Notes.

This PAC segment can be used to identify the total number of packages per hierarchical level identified in the CPS segment, in a shipment. The contents of each package is subsequently described in the following LIN segment.

Please refer to the 'Structure of the Despatch Advice Message' section in the introduction for details on the use of the PAC segment (see pages 2 to 6).

Example :

PAC+10++PK'

Dependency Notes :

Composite C532 is only used where the packaging being described is returnable. This composite identifies who is responsible for payment of its return.

DE 3055: Code 9 in this data element is used only when EAN codes are used in DE 7065

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
7224		NUMBER OF PACKAGES	C n..8	D
		Number of packages of this type at this level.		
		Dependency rule: either 7224 or C202 must be used if this segment is used.		
C531		PACKAGING DETAILS	C	X
	7075	Packaging level, coded	C an..3	X
	7233	Packaging related information, coded	C an..3	X
	7073	Packaging terms and conditions, coded	C an..3	X
C202		PACKAGE TYPE	C	D
	7065	Type of packages identification	C an..17	R
		The types of packaging specified here are only for logistics units (e.g. pallets) or the next level down (trade unit) packaging, such as cartons.		
		This segment does not go down to detailed description of the consumer item, so packaging types below the traded unit are not required here.		
		<i>09</i>	<i>Returnable pallet (EAN Code)</i>	
		<i>BA</i>	<i>Barrel</i>	
		<i>BE</i>	<i>Bundle</i>	
		<i>BG</i>	<i>Bag</i>	
		<i>BX</i>	<i>Box</i>	
		<i>CT</i>	<i>Carton</i>	
		<i>CX</i>	<i>Can, cylindrical</i>	
		<i>DR</i>	<i>Drum</i>	
		<i>PK</i>	<i>Package</i>	
		<i>SL</i>	<i>Slipsheet</i>	
			Optional for Retail	
		<i>SO</i>	<i>Spool</i>	
		<i>TB</i>	<i>Tub</i>	

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	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	D
		Dependency rule: use with 7065 = code "09".			
	9	<i>EAN (International Article Numbering association)</i>			
	7064	Type of packages	C	an..35	X
C402		PACKAGE TYPE IDENTIFICATION	C		X
	7077	Item description type, coded	M	an..3	X
	7064	Type of packages	M	an..35	X
	7143	Item number type, coded	C	an..3	X
	7064	Type of packages	C	an..35	X
	7143	Item number type, coded	C	an..3	X
C532		RETURNABLE PACKAGE DETAILS	C		X
	8395	Returnable package freight payment responsibility, coded	C	an..3	X
	8393	Returnable package load contents, coded	C	an..3	X

Segment: **MEA** Measurements
Position: 0420
Group: SG10-SG11
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: Segment Notes.

This segment is used to provide measurements relevant to the packaging unit and level described in the PAC segment.

Example :

MEA+PD+AAA+KGM:12'

Gross weight or volume of the package identified in the preceding PAC. (Note that if the preceding PAC specifies multiple packages, as in the case of 64 CTNs, then this MEA is not used as it cannot apply to multiples. To specify the measurements of each carton the PAC/MEA would be used at the CPS carton level.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
6311		MEASUREMENT APPLICATION QUALIFIER	M an..3	M
		<i>PD Physical dimensions (product ordered)</i>		
C502		MEASUREMENT DETAILS	C	R
	6313	Measurement dimension, coded	C an..3	R
		<i>AAB Unit gross weight</i>		
		<i>ABJ Volume</i>		
	6321	Measurement significance, coded	C an..3	X
	6155	Measurement attribute, coded	C an..3	X
	6154	Measurement attribute	C an..70	X
C174		VALUE/RANGE	C	R
	6411	Measure unit qualifier	M an..3	M
		<i>KGM Kilogram</i>		
		<i>LTR Litre (1 dm3)</i>		
		<i>MTQ Cubic metre</i>		
	6314	Measurement value	C n..18	R
	6162	Range minimum	C n..18	X
	6152	Range maximum	C n..18	X
	6432	Significant digits	C n..2	X
7383		SURFACE/LAYER INDICATOR, CODED	C an..3	X

Group: **PCI** Segment Group 13: Package Identification
Position: 0470
Group: Segment Group 11 (Package) Conditional (Dependent)
Level: 3
Usage: Conditional (Optional)
Max Use: 1000
Purpose: A group of segments specifying markings, labels, and packing numbers.
Notes: This segment group identifies the marks and numbers on the physical packages.

(Note: reference to the carrier's consignment note for this shipment is made in the RFF segment at header level).

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0480	PCI	Package Identification	M	1	
	0520		Segment Group 14: Goods Identity Number	C		99

Segment: **PCI** Package Identification
Position: 0480 (Trigger Segment)
Group: SG10-SG11-SG13
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: Segment Notes.

This PCI segment is used to provide markings and labels information relevant to the packaging unit and level identified in the PAC segment.

Example :

PCI+33E'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4233		MARKING INSTRUCTIONS, CODED	C an..3	O
		<i>17 Seller's instructions</i>		
		<i>33E Marked with serial shipping container code (EAN Code)</i>		
		<i>34E Marked with EAN/UPC number (EAN Code)</i>		
		<i>36E Marked with batch number (EAN Code)</i>		
		<i>IEN Package Identity Number (EAN Code)</i>		
		Used for serial #		
C210		MARKS & LABELS	C	D
		Dependency rule: must be used with 4233 = 17 otherwise use GIN.		
	7102	Shipping marks	M an..35	M
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
	7102	Shipping marks	C an..35	X
8275		CONTAINER/PACKAGE STATUS, CODED	C an..3	X
C827		TYPE OF MARKING	C	X
	7511	Type of marking, coded	M an..3	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X

Group: **GIN** Segment Group 14: Goods Identity Number
Position: 0520
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Dependent)
Max Use: 99
Purpose: A group of segments giving package identification numbers and, where relevant, delivery limitation information.
Notes: Dependency rule: must be used when 4233 = codes other than 17, not used with 4233 = 17.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0530	GIN	Goods Identity Number	M	1	

Segment: **GIN** Goods Identity Number
Position: 0530 (Trigger Segment)
Group: SG10-SG11-SG13-SG14
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment providing the identity numbers of packages being despatched.
Notes: Segment Notes.

This segment is used to provide identification numbers relevant to the packaging unit and level identified in the PAC segment.

In EANCOM it is recommended to use the Serial Shipping Container Code (SSCC) for unique identification of individual transport packages.

Example :

GIN+BJ+354123450000000014:354123450000000106'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
7405		IDENTITY NUMBER QUALIFIER	M an..3	M
THIS HAS AN EANCOM RESTRICTED CODE LIST				
		<i>BJ</i> Serial shipping container code		
		Use in conjunction with PCI.4233 = 33E		
		<i>BN</i> Serial number		
		Use in conjunction with PCI.4233 = IEN		
		<i>BX</i> Batch number		
		Use in conjunction with PCI.4233 = 36E		
		<i>EU</i> EAN / UPC number (EAN Code)		
		Use in conjunction with PCI.4233 = 34E		
C208		IDENTITY NUMBER RANGE	M	M
	7402	Identity number	M an..35	M
		EAN-14 trade unit number, SSCC # (n18) or other.		
	7402	Identity number	C an..35	O
		EAN-14 trade unit number, SSCC # (n18), or other.		
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X

Group: **LIN** Segment Group 15: Line Item
Position: 0550
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9999
Purpose: A group of segments providing details of the individual despatched items.
Notes: The LIN group of segments details the products contained in this level of the CPS packaging hierarchy.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0560	LIN	Line Item	M	1	
D	0570	PIA	Additional Product Id	C	10	
O	0590	MEA	Measurements	C	10	
R	0600	QTY	Quantity	C	10	
O	0650	DTM	Date/Time/Period	C	5	
	0680		Segment Group 16: Reference	C		10
	0750		Segment Group 18: Place/Location Identification	C		100
	0830		Segment Group 20: Package Identification	C		9999
	0950		Segment Group 23: Quantity Variances	C		10

Segment: **LIN** Line Item
Position: 0560 (Trigger Segment)
Group: SG10-SG15
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: Segment Notes.

This segment is used to identify the line item being despatched.

Example :

LIN+1++5412345123453:EN'

Dependency Notes :

C212: This composite is only used for the identification of EAN/UPC codes. If another coding structure is required, e.g. HIBC, this composite will not be used and the code will be detailed in the PIA segment.

DE C829 and 7083: These data elements are used only used when sub-lines are required.

FOR A COMPLETE DESCRIPTION ON THE USAGE OF SUB-LINES PLEASE REFER TO PART I, SECTION 4.11 .

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1082		LINE ITEM NUMBER	C n..6	R
		Application generated number of the item lines within the Despatch Advice.		
1229		ACTION REQUEST/NOTIFICATION, CODED	C an..3	X
C212		ITEM NUMBER IDENTIFICATION	C	D
		Dependency rule: if the product is identified by an EAN # (Global Trade Item Number - GTIN) then it is mapped to this LIN segment. Otherwise, if internal product numbers are used, map to the PIA segment.		
	7140	Item number	C an..35	R
		Format n..14 EAN-8, UPC-A, EAN-13, or DUN-14 - this is the number of the article being despatched.		
	7143	Item number type, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>EN</i>	<i>International Article Numbering Association (EAN)</i>	
		<i>UP</i>	<i>UPC (Universal product code)</i>	
		Optional for Retail. Note in other MIGS (e.g. Purchase Order) this code has been discontinued as only code EN is required to identify an EAN GTIN item identifier. However, it may be that migration away from code UP has not yet occurred on the invoice in retail, so this code has been left in the list for that purpose.		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C829		SUB-LINE INFORMATION	C	O
		Optionally used by the Timber industry to specify piece information at the subline level for pack tallies.		
	5495	Sub-line indicator, coded	C an..3	R
		<i>1</i>	<i>Sub-line information</i>	
	1082	Line item number	C n..6	R
		Line item number of the line item this subline belongs to.		

1222

CONFIGURATION LEVEL

C n..2 X

7083

CONFIGURATION, CODED

C an..3 X

Segment: **PIA** Additional Product Id
Position: 0570
Group: SG10-SG15
Level: 3
Usage: Conditional (Dependent)
Max Use: 10
Purpose: A segment providing additional product identification.
Notes: Segment Notes.

This segment is used to identify additional product codes for the current line item.

DE 4347: Product Id function, coded has the following restricted coded functions:

1 = Additional Identification - To provide an additional identity for the primary article number identified in the LIN segment. The additional code can consist of:

A supplemental identification which provides more information complementary to the main article number provided in the LIN segment, e.g., a batch number, promotional variant number, etc.,.

An alternative identification which may be used instead of the main article number provided in the LIN segment, e.g., a buyer's article number, etc.,.

3 = Substituted By - To provide the article number of a product which has substituted the product identified by the article number in the LIN segment.

In the despatch advice this function code may be used to inform trading partners of the article number of the product originally ordered which has been substituted by another product identified in the LIN segment.

4 = Substituted For - To provide the article number of a product which has been substituted by the product identified by the article number provided in the LIN segment.

In the despatch advice this function code may be used to inform trading partners of the article number of the product originally ordered which has been substituted by another product identified in the LIN segment. In this case, the segment LIN will refer to the despatched product and the PIA segment will provide the article number of the unavailable product.

5 = Product Identification - To provide an additional product identification which is of equal importance or significance to the code provided in the LIN segment.

Examples :

PIA+1+ABF5682:BP'

In this example the PIA segment is used to provide an additional identification to the article number provided in the LIN segment. The EAN article number 5412345123453 provided in the LIN segment refers to the internal buyer's part number ABF5682.

PIA+3+5412345123095:EN'

In this example the PIA segment is used to provide the article number of the product by which the product identified in the LIN segment by the EAN article number 5412345123095 has been substituted.

PIA+4+5412345123095:EN'

In this example the PIA segment is used to provide the EAN article number of the

product which has been substituted by the former primary EAN article number. The new EAN article number 5412345111184 would be included in the message in the LIN segment.

PIA+5+5412345111115:EN'

This example details 5412345111115 which is provided as an EAN article number of equal significance to the EAN article number 5412345123453 provided in the LIN segment.

Dependency rule: must be used if LIN.C212 is not used.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4347		PRODUCT ID. FUNCTION QUALIFIER	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>1</i>	Additional identification	
			This code (1) is used when the GTIN has been specified in the LIN segment.	
			The use of this code is for Additional Identification to assist in "trouble-shooting" e.g. to additionally provide the buyer's product id or a secondary GTIN.	
			A secondary GTIN scenario can arise when a product is manufactured in more than one country and the number has been administered by the company at country level, rather than centrally. This can give rise to different product numbers (GTINs) for what is actually the same product. An example may be camera film.	
		<i>4</i>	Substituted for	
			The identifier of the originally ordered item is shown here in the PIA segment. (The item that has been substituted is identified either in the LIN segment (if using EAN GTIN) or in a repeat of the PIA segment with 4347 = 5).	
		<i>5</i>	Product identification	
			Use this code when there is no GTIN specified in the LIN segment. A non-EAN number would be used to reference the item.	
C212		ITEM NUMBER IDENTIFICATION	M	M
	7140	Item number	C an..35	R
	7143	Item number type, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>EN</i>	International Article Numbering Association (EAN)	
		<i>IN</i>	Buyer's item number	
		<i>NB</i>	Batch number	
		<i>SA</i>	Supplier's article number	
			Note: code MF used in PRICAT	
		<i>UP</i>	UPC (Universal product code)	
			Optional for Retail	
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		<i>9</i>	EAN (International Article Numbering association)	
		<i>60</i>	Assigned by national trade agency	
		<i>91</i>	Assigned by seller or seller's agent	
		<i>92</i>	Assigned by buyer or buyer's agent	
C212		ITEM NUMBER IDENTIFICATION	C	O
	7140	Item number	C an..35	R
	7143	Item number type, coded	C an..3	R
	1131	Code list qualifier	C an..3	X

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	3055	Code list responsible agency, coded	C	an..3	O
C212		ITEM NUMBER IDENTIFICATION	C		O
	7140	Item number	C	an..35	R
	7143	Item number type, coded	C	an..3	R
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	O
C212		ITEM NUMBER IDENTIFICATION	C		O
	7140	Item number	C	an..35	R
	7143	Item number type, coded	C	an..3	R
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	O
C212		ITEM NUMBER IDENTIFICATION	C		O
	7140	Item number	C	an..35	R
	7143	Item number type, coded	C	an..3	R
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	O

Segment: **MEA** Measurements
Position: 0590
Group: SG10-SG15
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment specifying physical measurements of the despatched item in original or unpacked form.
Notes: Segment Notes.

This segment is used to specify the actual physical dimensions of the line item being despatched where the product is sold in variable lengths or volumes.

This segment must be used in conjunction with the LIN segment for the precise identification of the ordered product.

Example :

MEA+PD+LN:4+MTR:8'

The precise length of the product identified by the EAN article number 5412345123453 is 8 metres.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
6311		MEASUREMENT APPLICATION QUALIFIER	M an..3	M
		<i>PD Physical dimensions (product ordered)</i>		
C502		MEASUREMENT DETAILS	C	R
	6313	Measurement dimension, coded	C an..3	R
		<i>AAB Unit gross weight</i>		
		<i>AAW Gross volume</i>		
		<i>AAX Net volume</i>		
		<i>ABJ Volume</i>		
		<i>LN Length dimension</i>		
	6321	Measurement significance, coded	C an..3	X
	6155	Measurement attribute, coded	C an..3	X
	6154	Measurement attribute	C an..70	X
C174		VALUE/RANGE	C	R
	6411	Measure unit qualifier	M an..3	M
		<i>EA Each</i>		
		<i>GRM Gram</i>		
		<i>KGM Kilogram</i>		
		<i>LTR Litre (1 dm3)</i>		
		<i>MTK Square metre</i>		
		<i>MTQ Cubic metre</i>		
		<i>MTR Metre</i>		
		<i>NAR Number of articles</i>		
		<i>PCE Piece</i>		
		<i>TNE Metric ton (1000kg)</i>		
	6314	Measurement value	C n..18	R
	6162	Range minimum	C n..18	X
	6152	Range maximum	C n..18	X
	6432	Significant digits	C n..2	X
7383		SURFACE/LAYER INDICATOR, CODED	C an..3	X

Segment: **QTY** Quantity
Position: 0600
Group: SG10-SG15
Level: 3
Usage: Conditional (Required)
Max Use: 10
Purpose: A segment to give quantity information concerning the product.
Notes: Segment Notes.

Required for despatch quantity.

This segment is used to specify the quantity of the product identified in the LIN segment which is about to be, or, has been despatched.

Example :

QTY+12:400'

Dependency Notes :

DE 6411: This DE is only used if the product being identified is of variable quantity.

Timber industry:

for bulk variable measure items, show the variable measure quantity and UOM here. Also show variable measure pack quantity and alternate UOM here.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186	6063	QUANTITY DETAILS	M	M
		Quantity qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE SET.		
		<i>12 Despatch quantity</i>		
		Required		
		<i>21 Ordered quantity</i>		
		Total ordered quantity for this item.		
		<i>59 Numbers of consumer units in the traded unit</i>		
		Optional for Retail		
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	O
		<i>EA Each</i>		
		<i>GRM Gram</i>		
		<i>KGM Kilogram</i>		
		<i>LTR Litre (1 dm³)</i>		
		<i>MTK Square metre</i>		
		<i>MTQ Cubic metre</i>		
		<i>MTR Metre</i>		
		<i>NAR Number of articles</i>		
		<i>TNE Metric ton (1000kg)</i>		

Segment: **DTM** Date/Time/Period
Position: 0650
Group: SG10-SG15
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment providing date, time information related to the line item, e.g. production date.
Notes: Segment Notes.

This segment is used to specify the expiry dates (and possibly times) of individual products despatched.

Example :

DTM+36:19970910:102'

Expiry date the 10th of September 1997.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE SET.		
		17	<i>Delivery date/time, estimated</i>	
			Optional for Retail	
		36	<i>Expiry date</i>	
		361	<i>Best before date</i>	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102	<i>CCYYMMDD</i>	

Group: **RFF** Segment Group 16: Reference
Position: 0680
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments to give reference numbers and dates.

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>
M	0690	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0690 (Trigger Segment)
Group: SG10-SG15-SG16
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying documents related to the line item.
Notes: Segment Notes.

This segment is used to specify any references which are for the line item only.

Example :

RFF+CT:CT051523'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE	M	M
	1153	Reference qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>LI</i>	<i>Line item reference number</i>	
			The (single) purchase order to which this despatch is related is quoted in the header of this document.	
			This is the reference to a line on that order.	
		<i>SE</i>	<i>Serial number</i>	
			Optionally used by the timber industry for pack serial number at the pack level.	
	1154	Reference number	C an..35	D
		Dependency rule: Must be used when 1153 = SE, otherwise not used.		
	1156	Line number	C an..6	D
		Reference to the line item # on the purchase order. (Order number itself to be quoted at header as each DESADV can only relate to one order).		
		Dependency rule: Must be used when 1153 = LI, otherwise not used.		
	4000	Reference version number	C an..35	X

Group: **LOC** Segment Group 18: Place/Location Identification
Position: 0750
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 100
Purpose: A group of segments giving location information and where relevant, additional addresses, date and time, and quantities.
Notes: This segment group allows the specification of quantities per store in a cross-dock scenario. Use under store level CPS only.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0760	LOC	Place/Location Identification	M	1	

Segment: **LOC** Place/Location Identification
Position: 0760 (Trigger Segment)
Group: SG10-SG15-SG18
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying a specific location to which products will be delivered.
Notes: Segment Notes.

This segment is used to identify the location of delivery for a split delivery despatch advice. This segment can also be used to identify a delivery location for a specific line item which might be different to the delivery location specified in the NAD or LOC segment in the heading section.

It is recommended that EAN location numbers be used to identify delivery locations.

Example :

LOC+7+5412345678908::9'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3227		PLACE/LOCATION QUALIFIER	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		7 <i>Place of delivery</i>		
		Dock location (if required)		
		8 <i>Place of destination</i>		
		This will mean Ultimate destination (not Ship To) e.g. Store		
C517		LOCATION IDENTIFICATION	C	R
	3225	Place/location identification	C an..25	R
		EAN Location Code - Format n13		
		EAN Location Code - Format n13		
		EAN recommends the use of EAN Location & EC numbers. For Aust. & NZ domestic only, where EAN location numbers are not available, eg. because of migration,		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		9 <i>EAN (International Article Numbering association)</i>		
		60 <i>Assigned by national trade agency</i>		
		91 <i>Assigned by seller or seller's agent</i>		
		92 <i>Assigned by buyer or buyer's agent</i>		
	3224	Place/location	C an..70	O
C519		RELATED LOCATION ONE IDENTIFICATION	C	X
	3223	Related place/location one identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3222	Related place/location one	C an..70	X
C553		RELATED LOCATION TWO IDENTIFICATION	C	X
	3233	Related place/location two identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3232	Related place/location two	C an..70	X
5479		RELATION, CODED	C an..3	X

Group: **PCI** Segment Group 20: Package Identification
Position: 0830
Group: Segment Group 15 (Line Item) Conditional (Required)
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

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0840	PCI	Package Identification	M	1	
O	0850	DTM	Date/Time/Period	C	5	
	0880		Segment Group 21: Goods Identity Number	C		10
	0910		Segment Group 22: Handling Instructions	C		10

Segment: **PCI** Package Identification
Position: 0840 (Trigger Segment)
Group: SG10-SG15-SG20
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying marking and labels used on individual packages or a range of packages.
Notes: Segment Notes.

This segment is used to provide markings and labels information relevant to the product identified in the LIN segment.

Example :

PCI+33E'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4233		MARKING INSTRUCTIONS, CODED	C an..3	O
		17 <i>Seller's instructions</i>		
		33E <i>Marked with serial shipping container code (EAN Code)</i>		
		34E <i>Marked with EAN/UPC number (EAN Code)</i>		
		36E <i>Marked with batch #</i>		
		IEN <i>Package Identity Number (EAN Code)</i>		
		Serial number in subsequent GIN segment.		
C210		MARKS & LABELS	C	D
		Dependency rule: Must be used when 4233 = 17, otherwise use GIN.		
	7102	Shipping marks	M an..35	M
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
	7102	Shipping marks	C an..35	O
8275		CONTAINER/PACKAGE STATUS, CODED	C an..3	X
C827		TYPE OF MARKING	C	X
	7511	Type of marking, coded	M an..3	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X

Segment: **DTM** Date/Time/Period
Position: 0850
Group: SG10-SG15-SG20
Level: 4
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment giving the date/time details related to the goods within the packages e.g. expiration date.
Notes: Segment Notes.

This segment is used to provide pertinent date and time details relating to the PCI segment.

Example :

DTM+94:19970901:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		36 <i>Expiry date</i>		
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102 <i>CCYYMMDD</i>		

Group: **GIN** Segment Group 21: Goods Identity Number
Position: 0880
Group: Segment Group 20 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Dependent)
Max Use: 10
Purpose: A group of segments giving package identification numbers and, where relevant, delivery limitation information.
Notes: Dependency rule: Must be used when PCI 4233 is not 17, otherwise not used.

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	0890	GIN	Goods Identity Number	M	1	

Segment: **GIN** Goods Identity Number
Position: 0890 (Trigger Segment)
Group: SG10-SG15-SG20-SG21
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment providing identification numbers being applied to the packages despatched.
Notes: Segment Notes.

THIS SEGMENT IS YET TO BE FINALISED

This segment is used to provide identification numbers relevant to the packaging unit and level identified in the PAC segment.

In EANCOM it is recommended to use the Serial Shipping Container Code (SSCC's) for unique identification of individual transport packages.

Example :

GIN+BJ+354123450000000014:354123450000000106'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
7405		IDENTITY NUMBER QUALIFIER	M an..3	M
		<i>BJ Serial shipping container code</i>		
		<i>BN Serial number</i>		
		<i>BX Batch number</i>		
		<i>EU EAN / UPC number (EAN Code)</i>		
C208		IDENTITY NUMBER RANGE	M	M
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	O
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	O
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	O
	7402	Identity number	M an..35	M
	7402	Identity number	C an..35	X

Group: **HAN** Segment Group 22: Handling Instructions
Position: 0910
Group: Segment Group 20 (Package Identification) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segment providing information on hazardous materials and handling.

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	0920	HAN	Handling Instructions	M	1	

Segment: **HAN** Handling Instructions
Position: 0920 (Trigger Segment)
Group: SG10-SG15-SG20-SG22
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment providing information on handling and notification of hazardous materials.
Notes: Segment Notes.

THIS SEGMENT IS YET TO BE FINALISED.

This segment is used to provide handling instructions relevant to the packaging unit and level described in the PCI segment.

Example :

HAN+EAT'

Dependency Notes :

DE 3055: This data element is only used when codes PSC, CRU, UST, HWC or STR are used in data element 4079.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C524		HANDLING INSTRUCTIONS	C	D
	4079	Handling instructions, coded	C an..3	R
		<i>HAC Class Number</i>		
		<i>HAH Hazchem code</i>		
		<i>HAP Packaging group</i>		
		<i>HAS Subsidiary risk</i>		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		9 <i>EAN (International Article Numbering association)</i>		
		60 <i>Assigned by national trade agency</i>		
C218	4078	Handling instructions	C an..70	R
		HAZARDOUS MATERIAL	C	D
	Dependency rule: one of C542 or C218 must be used if this segment is used.			
	7419	Hazardous material class code, identification	C an..4	O
		UN Number		
	1131	Code list qualifier	C an..3	O
	<i>HMT Hazardous material standard text</i>			
3055	Code list responsible agency, coded	C an..3	X	

Group: **QVR** Segment Group 23: Quantity Variances
Position: 0950
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments identifying quantity variances, the reason for the variance, and, when relevant, date and time information.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0960	QVR	Quantity Variances	M	1	
O	0970	DTM	Date/Time/Period	C	5	

Segment: **QVR** Quantity Variances
Position: 0960 (Trigger Segment)
Group: SG10-SG15-SG23
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying a quantity variance and the reason for the variance.
Notes: Segment Notes.

This segment is used to specify any variances between what was ordered and what is ready for or has been despatched.

The quantity identified in DE 6064 must always refer to the difference between the despatched quantity identified in DE 6060 of QTY at LIN level and the ordered quantity. For negative values (e.g. damaged goods not accepted) the variance must be expressed as negative.

Example :

QVR+-50:21'

The QTY at line level identified the fact that 450 units were ordered and that 400 were being despatched, so therefore the quantity variance is 50 units.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C279		QUANTITY DIFFERENCE INFORMATION	C	R
	6064	Quantity difference Specify the actual variance amount here.	M n..15	M
	6063	Quantity qualifier 21 <i>Ordered quantity</i>	C an..3	R
		66 <i>Committed quantity</i> Required: used to show any discrepancy between what has been despatch vs quantity ordered.		
4221		DISCREPANCY, CODED	C an..3	O
		BP <i>Shipment partial - back order to follow</i>		
		CP <i>Shipment partial - considered complete, no backorder</i>		
		OW <i>Item out of stock at wholesaler</i>		
C960		REASON FOR CHANGE	C	O
	4295	Change reason, coded	C an..3	R
		AU <i>No delivery due to outstanding payments</i>		
		AUE <i>Article code unknown (EAN Code)</i>		
		AV <i>Out of inventory</i>		
		AW <i>Article withdrawn (EAN Code)</i>		
		PC <i>Pack difference</i>		
		QT <i>Quantity price break</i>		
		SL <i>Sale location different</i>		
	1131	Code list qualifier	C an..3	X
3055	Code list responsible agency, coded	C an..3	D	
	9 <i>EAN (International Article Numbering association)</i> Dependency rule: use with codes AUE and AW above.			
4294	Change reason	C an..35	X	

Segment: **DTM** Date/Time/Period
Position: 0970
Group: SG10-SG15-SG23
Level: 4
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment to give date and time information relative to the quantity variances, e.g. proposed delivery date on the back order.
Notes: Segment Notes.

This segment is used to specify dates relevant to the quantity variance specified in the preceding QVA segment.

Example :

DTM+102:19971115:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		17	<i>Delivery date/time, estimated</i>	
		102	<i>Expect to ship by (EAN Code)</i>	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102	<i>CCYYMMDD</i>	

Segment: **CNT** Control Total
Position: 0980
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment by which control totals may be provided by sender for checking by the receiver.
Notes: Segment Notes.

This segment is used to provide message control information for checking on the message receiver's in-house system.

DE 6069: When using code value '7= Total gross weight' in this data element the total specified in data element 6066 is arrived at by adding the values in data element 6314 of the MEA segment at LIN level when code value AAB is used in the same MEA segment.

When using code value '11= Total number of packages' in this data element the total specified in data element 6066 is arrived at by adding the values in data element 7224 of the PAC segments in the messages.

When using code value '29 = Total net weight of consignment' in this data element the total specified in dataelement 6066 is arrived at by adding the values in data element 6314 of the MEA segment at LIN level when code value AAA is used in the same MEA segment.

Example :

CNT+2:12'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C270	6069	CONTROL Control qualifier	M M an..3	M M
THIS HAS AN EANCOM RESTRICTED CODE LIST				
		1		<i>Algebraic total of the quantity values in line items in a message</i>
		2		<i>Number of line items in message</i>
	6066	Control value	M n..18	M
	6411	Measure unit qualifier	C an..3	X

Segment: **UNT** Message Trailer
Position: 0990
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.
Notes: The UNT segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.
 Example :
 UNT+45+ME000001'

Data Element Summary

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