



APPLIE-com

Despatch Advice

(DESADV) Version 3

Message Implementation Guideline
for the Electrical Appliance Industry
(Based on the EANCOM 1997 Guideline using
UN/EDIFACT Directory D.96A)

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1.0 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 Electrical Appliances Industry.

This EDI MIG is based on GS1 International's EANCOM® 1997 Guideline using UN/EDIFACT Directory D.96A. For any information regarding EANCOM® please contact

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Background of Applie-com:

What is Applie-com?

The name is derived from **Appliance** industry **e-commerce**. Web site:

www.applie-com.com.au

Why was Applie-com established?

In October 2000 a group of senior members of the Australian Appliance Industry established a Steering Group to examine how the industry should handle the issue of B2B commerce. It was considered that taking a united industry approach would maximise the chances of achieving efficient and effective outcomes - something which could not happen if all appliance retailers and suppliers independently pursued their own solutions.

2.0 Disclaimer

Every possible effort has been made to ensure that the information and specifications in this document are correct, however the Applie-com work group 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 or additions

3.0 Change Control

MIG Version	Section Modified	Nature of Change/Comments	Source/reason for change
Draft v 1			
Draft v2	BGM segment	Added code 35E, Returns Advice to DE1001 in BGM segment	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.

Applie-com Message Implementation Guidelines

	QTY segments	Opened DE6411, Measure unit qualifier and used code EA..	To align with other messages when QTY is used with PIA segment.
Draft v3		GS1 name change	

4.0 Despatch Advice Data Mapping Table

Despatch Advice(DESADV) data mapping table – Applie-com

Data Type	Business Description	Business Requirement Mandatory Conditional Optional	Where found in EANCOM ORDERS/ EDIFACT Position number	Data Element	Code Value	Business Data Format in UN/EDIFACT A=Alpha N=Numeric ..=variable length	Comments and Examples
Header Information							
	Type of Message	Mandatory	BGM / 0020	C002 DE1001	351=Despatch Advice 35E>Returns advice		
	Code list responsible agency coded	Conditional	BGM/0020	C002 DE3055	9=EAN		
	Message Number	Mandatory	BGM / 0020	DE1004		AN..35	Despatch Advice number assigned by document sender
	Message function	Mandatory	BGM / 0020	DE1225	7= Duplicate 9= Original 31= Copy		
	Date/time of Message	Mandatory	DTM/0030	C507 DE2005	11=Despatch date and/or time 17=Delivery date/time, estimated 137=Document/message date/time 234=Collection date/time, earliest		Code 137, This is the date/time stamp of the Despatch Advice message
	Date/time	Mandatory	DTM/0030	C507 DE2380		AN..35	
	Time qualifier	Mandatory	DTM /0030	C507 DE2379	102=CCYYMMDD 203=CCYYMMDDHHMM		
	Additional information	Advised	ALI/ 0040	DE4183	X6=Standard Pack Shipment		For Applie-com it is a requirement to use ALI segment to at least indicate whether the shipment is

					X7=Pick and Pack Shipment 164=Complete Shipment 165=Split Shipment		complete or is a split shipment. Codes X6 or X7 would appear in one iteration of DE4183 and codes 164 or 165 would appear in another iteration of DE4183.
	Ref Number	Mandatory	RFF / 0080	C506 DE1153	CN=Carrier's reference number IN=Invoice number ON=Order Number		Order number is mandatory
	Reference number	Mandatory	RFF/0080	C506 DE1154		AN..35	
	Reference date/time	Mandatory	DTM/0090	C507 DE2005	171=Reference date/time		
	Date/time	Mandatory	DTM/0090	C507 DE2380		AN..35	
	Date/time format qualifier	Mandatory	DTM/0090	C507 DE2379	102=CCYYMMDD 203=CCYYMMDDHHMM		
	Buying Party	Mandatory	NAD / 0110	DE3035	BY=Buyer BS=Bill & Ship To IV=Invoicee		
	Supplier id	Mandatory	NAD/ 0110	C082 DE3039	SU=Supplier		
	Ship To Party	Conditional	NAD / 0110	DE3035	ST=Ship to UD=Ultimate Customer		Where the whole order is to be delivered to the final recipient, usually the end customer. If UD, then use C080, C059, DE3164, DE3229, DE3251 and DE3207.
	Party id	Mandatory	NAD/0110	C082 DE3039		AN..35	Specify the GLN
	Responsible agency after specifying party id.	Conditional	NAD / 0110	C082 DE3055	9=EAN 91=Assigned by seller 92=Assigned by buyer		Applie-com recommends to use of the EAN Global Location Number for party identification. However if no EAN GLN is available or for migration purposes, then use code 91 or 92, dependent on business arrangements..
	Party name	Conditional	NAD/0110	C080 DE3036		AN..35 x 2	
	Street	Conditional	NAD/0110	C059 DE3042		AN..35 x 3	

	City name	Conditional	NAD/0110	DE3164		AN..35	
	State	Conditional	NAD/0110	DE3229		AN..9	
	Postcode	Conditional	NAD/0110	DE3251		AN..9	
	Country, coded	Conditional	NAD/0110	DE3207		AN..3	For overseas use only
	Place of delivery	Optional	LOC / 0120	DE3227	7=Place of delivery		This segment is used to indicate any location related to the party specified in the NAD segment e.g. a dock number.
	Place/location id	Conditional	LOC/0120			AN..25	
	Responsible agency after specifying party id.	Conditional	LOC / 0120	C517 DE3055	9=EAN 91=Assigned by seller 92=Assigned by buyer		Applie-com recommends to use of the EAN Global Location Number for party identification. However if no EAN GLN is available or for migration purposes, then use code 91 or 92, dependent on business arrangements..
	Reference relating to Party in NAD	Conditional	RFF / 0140	C506 DE1153	API=Additional party identification IA=Internal vendor number		Use RFF segment to specify reference numbers related to the party specified in the NAD.
	Reference number	Conditional	RFF/0140	C506 DE1154		AN..35	

Data Type	Business Description	Business Requirements Mandatory Conditional Optional	Where found in EANCOM ORDERS/ Position number	Data Element	Code Value	Business Data Format in UN/EDIFACT A=Alpha N=Numeric ..=variable length	Comments
Detail Information							
	Consignment Packing sequence	Mandatory	CPS/0380	DE7164		AN..12	Sequential numbering recommended
	Hierarchical parent id	Recommended	CPS/0380	DE7166		AN..12	
	Packaging level, coded	Mandatory	CPS/0380	DE7075	1=Inner 2=Intermediate 3=Outer 1E=Shipment		In Applie-com, code 1 will be the lowest unit level.
	Number of packages	Mandatory	PAC/0410	DE7224		N..8	Number of packages
	Package type	Mandatory	PAC/0410	C202 DE7065	09=Returnable pallet(EAN code) BG=bag CT=carton PK=Package		
	Code list agency	Conditional	PAC/0410	C202 DE3055	9=EAN		Used when EAN code is specified
	Measurement qualifier	Conditional	MEA/0420	DE6311	PD=Physical dimensions (product ordered)		
	Measurement dimension	Conditional	MEA/0420	C502 DE6313	AAB=Unit gross weight ABJ=Volume		

	n, coded				HT=Height LN=Length dimension WD=Width		
	Measure unit qualifier	Conditional	MEA/0420	C174 DE6411	KGM=Kilogram LTR=Litre(1 dm3) MTQ=Cubic metre CMT=Centimetres		
	Measure ment value	Conditional	MEA/0420	C174 DE6314		N..18	
	Quantity qualifier	Mandatory	QTY/0430	C186 DE6063	12=Despatch quantity		
	Quantity	Mandatory	QTY/0430	C186 DE6060		N..15	
	Package markings	Mandatory	PCI/0480	DE4233	17=Seller's instructions 33E=Marked with serial shipping container code (EAN code)		
	Shipping marks	Conditional	PCI/0480	C210 DE7102		AN..35 x 3	3 iterations are allowed. Use on if code 17 is used in DE4233.
	Goods identity number, qualifier	Mandatory	GIN/0530	DE7405	BJ=Serial shipping container code		
	Identify number	Mandatory	GIN/0530	C208 DE702		AN..35	Specify the SSCC number
	Sequence line number	Mandatory	LIN / 0560	DE1082		N..6	Application generated number of the count of the order lines.
	GTIN number	Mandatory	LIN / 0560	C212 DE7140		AN..35	GTIN n..14 Only signification leading zeros should be transmitted, therefore "filling zeros" should not be transmitted.
	Item number type code	Mandatory	LIN / 0560	C212 DE7143	EN=International Article Numbering association		Use PIA segment if the item number is a non-EAN number

	Additional product id	Conditional	PIA / 0570	DE4347	1=Additional identification 5=Product identification		Code 1 is to assist in trouble shooting e.g. buyer's key code number Code 5 is used where a non-EAN number is to be referenced.
	Item number	Conditional	PIA/0570	C212 DE7140		AN..35	
	Item number type code	Conditional	PIA / 0570	C212 DE7143	IN=Buyer's item number SA=Supplier's article number		
	Order Quantity	Mandatory	QTY / 0600	C186 DE6063	12=Despatch quantity 21=Ordered quantity		
	Quantity	Mandatory	QTY/0600	C186 DE6060		N..15	
	Unit of measure	Conditional	QTY/0600	C186 DE6411	EA=Each		Used to reference the unit of measure of the item number specified in the PIA segment in DE7140
	Place/location qualifier	Conditional	LOC/0760	DE3227	7=Place of delivery 8=Place of destination		Code 8 is used relating to the ultimate destination (not ship to) e.g. store.
	Location id	Conditional	LOC / 0760	C517 DE3225		AN..25	Applie-com recommends the use the EAN Global Location Number for place/location identification. However if no EAN GLN is available or for migration purposes an internal location number is acceptable.
	Code list agency, coded	Conditional	LOC/0760	C517 DE3055	9=EAN 92=Assigned by buyer or buyer's agent.		
	Quantity qualifier	Conditional	QTY/0790	C186 DE6063	12=Despatch quantity 21=Ordered quantity		
	Quantity	Conditional	QTY/0790	C186 DE6060		N..15	
	Unit of measure	Conditional	QTY/0790	C186 DE6411	EA=Each		Used to reference the unit of measure of the item number specified in the PIA segment in DE7140
	Quantity differenc	Conditional	QVR/0960	C279 DE6064		N..15	Specify the actual variance amount

	e						
	Quantity qualifier	Conditional	QVR/0960	C279 DE6064	21=Ordered quantity 66=Committed quantity		Code 66 is the quantity a party is committed to.
	Shipment status relating to discrepancy	Conditional	QVR/0960	DE4421	BP=Shipment partial – back order to follow CP=Shipment partial – considered complete, no backorder		
	Date relating to quantity variance	Conditional	DTM/0970	C507 DE2005	17=Delivery date/time, estimated 102=Expect to ship by (EAN Code)		
	Date/time	Conditional	DTM/0970	C507 DE2380		AN..35	
	Date/time format qualifier	Conditional	DTM/0970	C507 DE2379	102=CCYYMMDD		

Data Type	Business Description	Business Requirement Mandatory Conditional Optional	Where found in EANCOM ORDERS/ EDIFACT Position number	Data Element	Code Value	Business Data Format in UN/EDIFACT A=Alpha N=Numeric ..=variable length	Comments
Summary Information							
	Control totals	Mandatory	CNT / 0980	C270 DE6069	1= Algebraic total of quantity values in line items in a message 2=Number of line items in message		Code 1 is allowed for alignment reasons with the Aust.Retail Industry. Code 2 is preferred by Applie-com.
	Control value	Mandatory	CNT/0980	C270 DE6066		N..18	

The preceding chapters have been extracted from the EANCOM® 1997 Manual to give assistance to the proper use of these Applie-com guidelines.

5.0 Minimum (Mandatory) Data Requirement

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	Format in UN/EDIFACT A=Alpha, N=Numeric ..=Variable Length
Header		
Despatch advice>Returns advice	BGM	AN..3
Message number	BGM	AN..35
Message function (e.g. original, copy, etc)	BGM	AN..3
Message date/time stamp	DTM	AN..35
Delivery note number as a reference	RFF	AN..35
Buyer and Seller identification	NAD	AN..35
Detail		
Consignment packing sequence	CPS	AN..3
Number of packages for relevant consignment	PAC	N..8
Line item number	LIN	N..6
Item number (EAN GTIN format N..14)	LIN	AN..35
Item number (non-EAN GTIN)	PIA	AN..35
Despatched quantity	QTY	N..15

6.0 UN/EDIFACT

6.1 Definition of UN/EDIFACT

UN/EDIFACT: United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport. They comprise a set of internationally agreed standards, directories and guidelines for the electronic exchange of structured data, and in particular that related to trade in goods and services, between independent computerised information systems.

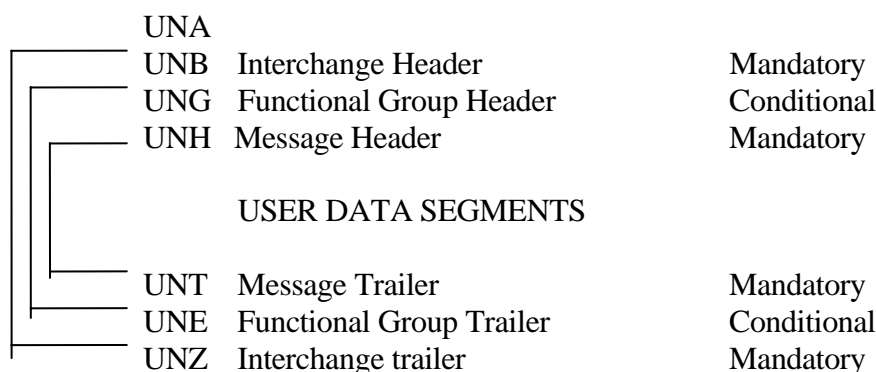
6.2 UN/EDIFACT syntax overview

This section is a summary of the ISO 9735 document: "UN/EDIFACT Application level syntax rules", first released on 1988-07-15, amended and reprinted on 1990-11-01, and Amendum 1 of 1992.

The UN/EDIFACT syntax rules set the standards for structuring data into segments, segments into messages, and messages into an interchange.

6.2.1 Structure of an interchange

An interchange may consist of the following segments:



Segments starting with "UN" are called service segments. They constitute the envelope or the "packing" of the UN/EDIFACT messages.

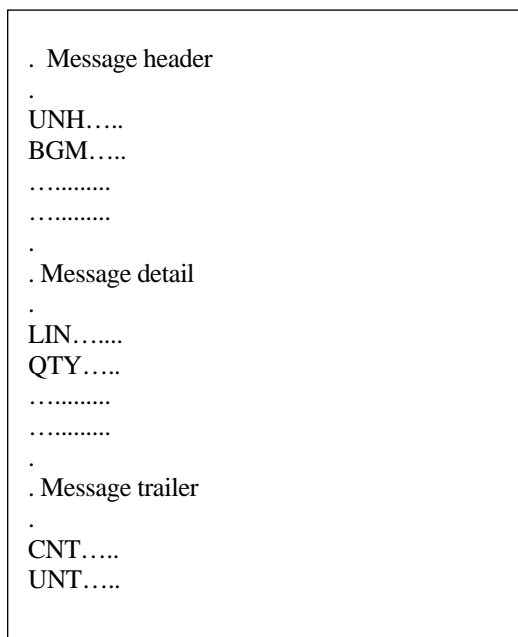
User data segments contain the information itself, in a format specific to each message type.

6.2.2 Structure of a message

Each data segment has a specific place within the sequence of segments in the message. They may occur in any of the following three sections of the message:

- a) **Heading section** – A segment occurring in this section relates to the entire message.
- b) **Detail section** – A segment occurring in this section relates to the detail information only.
- c) **Summary section** – Only segments containing totals or control information may occur in the summary section, e.g. invoice total amount, number of lines in a purchase order, etc.

The sequence of the three message sections can be represented by the following simple example;



The same segment type may occur in more than one of the message sections, e.g. in the header and in the detail section, and/or more than once in the same section.

Some segments may be repeated a certain number of times at their specific location in the message. The status, Mandatory or Conditional, and the maximum number of repetitions of segment types are indicated in the message structure.

Within a message, specific groups of functionally related segments may be repeated; these groups are referred to as “segment groups”. The maximum number of repetitions of a particular segment group at a specific location is included in the message definition.

A segment group may be nested within other segment groups, provided that the inner segment group terminates before any outer segment group terminates.

6.2.3 Segment structure

A segment consists of:

- A segment tag: identifies the segment type
- Data element separators
- Simple, composite, or component data elements
- A segment terminator

Data elements can be defined as having a fixed or variable length.

A composite data element contains two or more component data elements.

A component data element is a simple data element used in a composite data element.

A data element can be qualified by another data element, the value of which is expressed as a code that gives specific meaning to the data. The data value of a qualifier is a code taken from an agreed set of code values.

6.2.4 Separators

In EANCOM® four service characters (extracted from UNOA) have a special meaning and act as the default separators for EANCOM®;

Apostrophe	'	= segment terminator
Plus sign	+	= segment tag and data element separator
Colon	:	= component data element separator
Question Mark	?	= release character; immediately preceding one of the service characters, it restores their normal meaning. E.g. 10?+10=20 means 10+10=20. Question mark is represented by ??

Should trading partners agree to use any of the character sets from B to F (inclusive) and the default separators from UNOA, then the UNA segment must be provided to explicitly state the default separator values.

When using any of the character sets A through F then the syntax version number (DE 0002) in the UNB segment should be set to 3.

6.2.5 Representation of numeric values

- **Decimal sign.** The representation for decimal sign is the point on the line (.). The decimal sign shall not be counted as a character when computing the maximum field length of a data element. When a decimal sign is transmitted, there shall be at least one digit before and after the decimal sign.

To assist in-house file designers and data interchange partners, the following lengths may be used as a guideline:

Numeric Class	Format	Integer Digit	Decimal Digit
Amounts	n..18	15	3
Control Values	n..18	14	4
Cubes	n..9	5	4
Currency Rates	n..12	6	6
Other Range Value	n..18	15	3
Percentages	n..10	6	4
Percentage Range Value	n..18	14	4
Quantities	n..15	12	3
Rate per Unit	n..15	12	3
Tax Rates	n..17	13	4
Unit Prices	n..15	11	4
Unit Price Basis	n..9	6	3
Weights	n..18	15	3

- **Triad separator.** Triad separators shall not be used in interchange. (Allowed: 2500000; Not allowed: 2,500,000 or 2.500.000 or 2 500 000).
- **Sign.** Numeric data element values shall be regarded as positive. Although conceptually a deduction is negative, it shall be represented by a positive value, e.g. in a credit note all values will be positive, the application software will using the message name coded (DE 1001) convert all values into negative. In addition some data element and code combinations will lead to implied negative values, e.g. data element 5463 with code value 'A, Allowance' in an ALC segment in an invoice.

If a value is to be represented as negative, it shall in transmission be immediately preceded by a minus sign e.g. -112. The minus sign shall not be counted as a character when computing the maximum field length of a data element.

6.2.6 Character set

For the characters in the set below, the 7-bit codes in the basic ISO 646 standard shall be used, unless the corresponding 8-bit codes in ISO 6937, ISO 8859.1, ISO 8859.2, ISO 8859.5 and ISO 8859.7, or other bit codes are specifically agreed between the interchanging partners. If another bit code set is being used this must be specifically stated in the interchange agreement between the parties.

The following character set, known as character set level A, is **recommended** to be used within EANCOM® for international exchanges:

Letters, upper case	A to Z
Numerals	0 to 9
Space character	
Full stop	.
Comma	,
Hyphen/minus sign	-
Opening parentheses	(
Closing parentheses)
Oblique stroke (slash)	/
Equal sign	=
Exclamation mark	!
Quotation mark	"
Percentage sign	%
Ampersand	&
Asterisk	*
Semi-colon	;
Less-than sign	<
Greater-than sign	>

When using the Level A service characters (UNOA), the characters Apostrophe ('), Plus sign (+), Colon (:), and Question mark (?) are reserved for special use (see section 2.2.4.).

In addition to the Level A characters detailed above, a number of additional characters may be required by EANCOM® users. These characters are contained in the International Reference Version (IRV) of ISO 646.

EAN International recommends that should any EANCOM® user wish to use any of these additional characters, that agreement must first be obtained from their trading partners in order to ensure correct processing by the receiving application.

Following you will find the set of characters contained in the IRV:

Number sign	#
Commercial at	@
Left square bracket	[
Reverse solidus	\
Left square bracket]
Circumflex accent	^
Grave accent	`
Left curly bracket	{
Vertical line	
Right curly bracket	}

The identification of the character set being used must be made in data element 0001 of the UNB segment.

When using any of the character sets A through F then the **syntax version number** (DE 0002) in the UNB segment should be set to **3**.

7.0 Documentation conventions

7.1 Format and picture of data elements

The following conventions apply in the present documentation:

a	alphabetic characters
n	numeric characters
an	alpha-numeric characters
a3	3 alphabetic characters, fixed length
n3	3 numeric characters, fixed length

an3	3 alpha-numeric characters, fixed length
a..3	up to 3 alphabetic characters
n..3	up to 3 numeric characters
an..3	up to 3 alpha-numeric characters

7.2 Status indicators

(M)andatory data elements or composites in EDIFACT segments retain their status in EANCOM®

Additionally, there are five types of status with a (C)onditional UN/EDIFACT status, whether for simple, component or composite data elements. They are listed below and can be identified when relevant by the abbreviations.

- **REQUIRED** **R** Indicates that the entity is required and must be sent.
- **ADVISED** **A** Indicates that the entity is advised or recommended.
- **DEPENDENT** **D** Indicates that the entity must be sent in certain conditions, as defined by the relevant explanatory note.
- **OPTIONAL** **O** Indicates that the entity is optional and may be sent at the discretion of the user.
- **NOT USED** **N** Indicates that the entity is not used and should be omitted. (**X** in MIG)

Code values have two status's in EANCOM®:

- **Restricted (*)** A data element marked with "THIS HAS AN EANCOM RESTRICTED CODE LIST" indicates that there is a restricted code list from which codes are available. Refer to the full EANCOM® manual for more details.
- **Open.** All data elements where coded representation of data is possible and a restricted set of code values is not indicated are open. The available codes are listed in the Data Elements and Code Sets Directory of the EANCOM® manual. Code values may be given as examples or there may be a note on the format or type of code to be used.

8.0 Interchange structure and service segments

The interchange structure in a UN/EDIFACT transmission is organised in several grouping levels. The service segments are the envelope of the groups.

The first service segment possible in an interchange is the 'UNA' segment which is used to define the separators being used in the interchange.

The second service segment, 'UNB', indicates the beginning of the interchange.

The next one, 'UNG', indicates the beginning of a group of messages of the same type, for example invoices.

The last service segment, 'UNH', indicates the beginning of a given message.

To each beginning service segment corresponds an ending service segment (note, UNA is not a beginning segment).

Service string advice:	UNA
Interchange envelope:	UNB UNZ
Group envelope:	UNG UNE
Message envelope:	UNH UNT

9.0 Segment Layout - UNA segment

As a business rule and in keeping with the Australian Retail Industry position, Applie-com suggests that the UNA Service String Advice is optionally sent at the beginning of an interchange defining the syntactically delimiting characters and indicators used in the interchange.

If used the UNA segment would be;

UNA:+.? ‘

The segment layout below is the layout used in the EANCOM® manual.

UNA - C 1 - SERVICE STRING ADVICE				
Function :	To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.			
Segment number :				
	EDIFACT	EAN	*	Description
UNA1 Component data element separator	M an1	M		Is used as a separator between component data elements contained within a composite data element (default value :)
UNA2 Data element separator	M an1	M		Is used to separate two simple or composite data elements (default value : +)
UNA3 Decimal notation	M an1	M		Is used to indicate the character used for decimal notation (default value : .)
UNA4 Release character	M an1	M		Used to restore the separator and the terminator signs to their original specification (default value: ?)
UNA5 Reserved for future use	M an1	M		(default value : space)
UNA6 Segment terminator	M an1	M		Used to indicate the end of segment data (default value : ')
<u>Segment Notes.</u>				
This segment is used to inform the receiver of the interchange that a set of service string characters which are different to the default characters are being used.				
When using the default set of service string characters the UNA segment need not be sent. When it is sent it must immediately precede the UNB segment and contain the six service string characters selected by the interchange sender.				
Regardless of whether or not all of the service string characters are being changed every data element within this segment must be filled, i.e. if some default values are being used with user defined ones then both the default and user defined values must be specified.				
When expressing the service string characters in the UNA segment it is not necessary to include any element separators.				

10.0 Segment Layout - UNB segment.

The segment layout below is the layout used in the EANCOM® manual.

UNB - M 1 - INTERCHANGE HEADER				
Function :		To start, identify and specify an interchange.		
Segment number :				
	EDIFACT	EAN	*	Description
S001 SYNTAX IDENTIFIER	M	M		
0001 Syntax identifier	M a4	M	*	UNOA Recommended for use by Applie-com
0002 Syntax version number	M n1	M	*	3 = Syntax version number 3. Must Use
S002 INTERCHANGE SENDER	M	M		Must Use
0004 Sender identification	M an..35	M		EAN location number (n13). Must Use Eg. 1234567890128
0007 Partner Identification code qualifier	C an..4	R	*	14 = EAN International. Must Use
0008 Address for reverse routing	C an..14	O		Not Used
S003 INTERCHANGE RECIPIENT	M	M		Must Use
0010 Recipient identification	M an..35	M		EAN location number (n13). Must Use Eg. 2234567890127
0007 Partner Identification code qualifier	C an..4	R	*	14 = EAN International. Must Use
0014 Routing address	C an..14	O		Not Used
S004 DATE / TIME OF PREPARATION	M	M		Must Use
0017 Date	M n6	M		YYMMDD. Must Use
0019 Time	M n4	M		HHMM. Must Use
0020 Interchange control reference	M an..14	M		Unique reference identifying the interchange. Created by the interchange sender. Must Use
S005 RECIPIENT'S REFERENCE PASSWORD	C	O		Not Used
0022 Recipient's reference/password	M an..14	M		Not Used
0025 Recipient's reference/password qualifier	C an2	O		Not Used
0026 Application reference	C an..14	O		Message identification if the interchange contains only one type of message. Not Used
0029 Processing priority code	C a1	O		Not Used
0031 Acknowledgement request	C n1	O		Not Used
0032 Communications agreement identification	C an..35	O	*	Not Used.
0035 Test indicator	C n1	O		1 = Interchange is a test Use code 1 only if the interchange is a test, otherwise do not send DE0035. Dependent

Segment Notes.

This segment is used to envelope the interchange and also to identify the party for whom the interchange is intended and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters or documents and which details the address where delivery is to take place and the address from where the envelope has come.

DE 0001: The recommended (default) character set for use in EANCOM for international exchanges is character set A (UNOA). Should users wish to use character sets other than A then agreement on which set to use should be reached on a bi-lateral basis before communications begin.

DE 0004 and 0010: Within EANCOM the use of the EAN location number is recommended for the identification of the interchange sender and recipient.

DE S004: The date and time specified in this composite should be the date and time at which the interchange sender prepared the interchange. This date and time may not necessarily be the same as the date and time of contained messages.

DE 0020: The interchange control reference number is generated by the interchange sender and is used to uniquely identify each interchange. Should the interchange sender wish to re-use interchange control reference numbers it is recommended that each number be preserved for at least a period of three months before being re-used. In order to guarantee uniqueness the interchange control reference number should always be linked to the interchange sender's identification (DE 0004).

DE 0031: This data element is used to indicate whether an acknowledgement to the interchange is required or not. The EANCOM CONTRL message should be used to provide acknowledgement of interchange receipt. In addition the EANCOM CONTRL message may be used to indicate when an interchange has been rejected due to syntactical errors.

11.0 Segment Layout - UNG segment.

The segment layout below is the layout used in the EANCOM® manual.

As a business rule, Appie-com does not recommend the use of the UNG..UNE segments for the same reasons the EANCOM® does not recommend these segments usage.

UNG - C 1 - FUNCTIONAL GROUP HEADER				
Function :		To start, identify and specify a functional group.		
Segment number :				
	EDIFACT	EAN	*	Description
0038 FUNCTIONAL GROUP IDENTIFICATION	M an..6	M		Identifies the type of message contained in the functional group, e.g. INVOIC
S006 APPLICATION SENDER'S IDENTIFICATION	M	M		
0040 Sender identification	M an..35	M		EAN location number (n13)
0007 Identification code qualifier	C an..4	R	*	14 = EAN International
S007 INTERCHANGE RECIPIENT	M	M		
0044 Recipient identification	M an..35	M		EAN location number (n13)
0007 Identification code qualifier	C an..4	R	*	14 = EAN International
S004 DATE / TIME OF PREPARATION	M	M		
0017 Date	M n6	M		YYMMDD
0019 Time	M n4	M		HHMM
0048 Functional group reference number	M an..14	M		Unique reference identifying the functional group. Created by the interchange sender.
0051 Controlling agency	M an..2	M	*	EN = EAN International UN = UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)
S008 MESSAGE VERSION	M	M		
0052 Message type version number	M an..3	M	*	D = Draft directory
0054 Message type release number	M an..3	M		The value of this data element depends on the message type.
0057 Association assigned code	C an..6	R		The value of this data element depends on the message type.
0058 Application password	C an..14	D		The use of this data element depends on agreements between the trading partners.
<u>Segment Notes.</u>				
Within EANCOM the use of the UNG..UNE segments is not recommended as the grouping of same message types is not considered to add significant value to simply including multiple same message types within one interchange, i.e. between UNB..UNZ.				

12.0 Segment Layout - UNE segment.

As a business rule, Applicom does not recommend the use of the UNG..UNE segments for the same reasons the EANCOM® does not recommend these segments usage.

UNE - C 1 - FUNCTIONAL GROUP TRAILER				
Function :		To end and check the completeness of a functional group.		
Segment number :				
	EDIFACT	EAN	*	Description
0060 Number of messages	M n..6	M		Number of messages in the group.
0048 Functional group reference number	M an..14	M		Identical to DE 0048 in UNG segment.
<u>Segment Notes.</u>				
Within EANCOM the use of the UNG..UNE segments is not recommended as the grouping of same message types is not considered to add significant value to simply including multiple same message types within one interchange, i.e. between UNB..UNZ.				

Segment Layout - UNZ segment.

UNZ - M 1 - INTERCHANGE TRAILER				
Function :		To end and check the completeness of an interchange.		
Segment number :				
	EDIFACT	EAN	*	Description
0036 Interchange control count	M n..6	M		Number of messages or functional groups within the interchange.
0020 Interchange control reference	M an..14	M		Identical to DE 0020 in UNB segment.
<u>Segment Notes.</u>				
This segment is used to provide the trailer of an interchange.				
DE 0036: If functional groups are used this is the number of functional groups within the interchange. If functional groups are not used this is the number of messages within the interchange.'				

13.0 DESADV Despatch Advice Message

* **Definition**

A message specifying details for goods despatched or ready for despatch under agreed conditions.

* **Principles**

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

The message intent is to advise of the detailed contents of a consignment.

The message relates to one seller and one buyer or their respective agent.

The message relates to a single despatch point and single or multiple destination points. It may cover a number of different items and packages.

It allows the recipient to:

- know when the material has been despatched or will be ready for despatch.
- have the precise details of the consignment.
- take initial steps towards customs clearance in case of international consignments.
- enable the control between despatched goods with the following invoice.

The Despatch Advice message should always be sent before goods are physically delivered or returned. This makes it possible for the receiving party to use the data to prepare efficiently for the reception of the goods.

Each unit delivered (pallet, carton, ...) should be uniquely identified. In the Despatch Advice message, the products contained in each uniquely identified unit are described. When the goods are received, the physical shipment and the electronic message can be cross-checked. Discrepancies are immediately identified. It is recommended to use the standard EAN/UCC Serial Shipping Container Code structure to identify the units

13.1 The DESADV Message

Introduction:

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

Notes:

1st draft of the Electrical Appliances Industry (Applie-com) Message Implementation Guidelines.
2nd draft of Applie-com DESADV message. Changes made to pre-amble. Open unit of measure qualifier in QTY segment, also included code 35E in BGM segment.

Heading Section:

Applic-com Message Implementation Guidelines

<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>
27	0010	UNH	Message Header	M	M	1		
28	0020	BGM	Beginning of Message	M	M	1		
29	0030	DTM	Date/Time/Period	C	R	10		
30	0040	ALI	Additional Information	C	O	5		
	0070		Segment Group 1	C	O		10	
32	0080	RFF	Reference	M	M	1		
33	0090	DTM	Date/Time/Period	C	O	1		
	0100		Segment Group 2	C	R		10	
35	0110	NAD	Name and Address	M	M	1		
38	0120	LOC	Place/Location Identification	C	O	10		
	0130		Segment Group 3	C	O		10	
40	0140	RFF	Reference	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	O		9999	
42	0380	CPS	Consignment Packing Sequence	M	M	1		
	0400		Segment Group 11	C	O		9999	
44	0410	PAC	Package	M	M	1		
45	0420	MEA	Measurements	C	O	10		
46	0430	QTY	Quantity	C	O	10		
	0470		Segment Group 13	C	O		1000	
48	0480	PCI	Package Identification	M	M	1		
	0520		Segment Group 14	C	O		99	
50	0530	GIN	Goods Identity Number	M	M	1		
	0550		Segment Group 15	C	O		9999	
52	0560	LIN	Line Item	M	M	1		
53	0570	PIA	Additional Product Id	C	O	10		
55	0600	QTY	Quantity	C	R	10		
	0750		Segment Group 18	C	O		100	
57	0760	LOC	Place/Location Identification	M	M	1		
58	0790	QTY	Quantity	C	O	10		
	0950		Segment Group 23	C	O		10	
60	0960	QVR	Quantity Variances	M	M	1		
61	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>
62	0980	CNT	Control Total	C	O	5		
63	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		MESSAGE IDENTIFIER	M	M
	0065	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.		
	0054	Message type release number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
	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>	
		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.		
			9	<i>EAN (International Article Numbering association)</i>	
		1000	Document/message name	C an..35	X
1004		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.			
		7	<i>Duplicate</i>		
			A retransmission involving the same parties on the specific request of the receiver.		
		9	<i>Original</i>		
		An original transmission of a Despatch advise			
		31	<i>Copy</i>		
		A copy of a despatch advice for a third party for information purposes.			
4343		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>	
		234	<i>Collection date/time, earliest</i>	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102	<i>CCYYMMDD</i>	
		203	<i>CCYYMMDDHHMM</i>	

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.
Notes: For Applie-com, it is a requirement to use segment ALI to at least indicate whether the shipment is complete or is a split shipment.

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	O
		<i>X6 Standard Pack Shipment</i>		
		<i>X7 Pick Pack Shipment</i>		
4183		SPECIAL CONDITIONS, CODED	C an..3	O
		<i>164 Complete Shipment</i>		
		<i>165 Split Shipmet</i>		
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 (Optional)
Max Use: 10
Purpose: A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0080	RFF	Reference	M	1	
O	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>CN</i> <i>Carrier's reference number</i>		
				The Carrier's reference number is optional and specified if available.
		<i>IV</i> <i>Invoice number</i>		
				If available the invoice number is required to be specified.
		<i>ON</i> <i>Order number (purchase)</i>		
				Applie-com advised that this code is mandatory.
	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.		
		171	Reference date/time	
			For the Purchase Order date	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102	CCYMMDD	
		203	CCYMMDDHHMM	

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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0110	NAD	Name and Address	M	1	
O	0120	LOC	Place/Location Identification	C	10	
	0130		Segment Group 3: Reference	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+BY+5411234512300::9'

NAD+SU+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>	
		<i>IV</i>	<i>Invoicee</i>	
		<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 is usually the customer who has purchase an item/s direct to home delivery. When UD is used, the name and address have to be specified in the NAD segment.	
C082		PARTY IDENTIFICATION DETAILS	C	Re c
		If code UD=Ultimate Customer is used in DE3035, then C082 is not necessary because it would be unlikely that the home delivery customer would have an EAN Global Location Number nor an internal party id assigned by the retailer.		
	3039	Party id. identification	M an..35	M

EAN Global Location Number - Format n13

Applie-com recommends the use of the EAN Global Location Number for EANCOM compliance e.g 1234567890128. (NB: The GLN must include a correctly calculated check-digit) . If a GLN is not used to identify the party, then use the RFF segment in the LOC segment.

Applie-com recognises the issue of migration from existing party identifications to GLNs. For Australian domestic use only, when GLNs are not available, and due to existing data exchange systems, non-GLNs can be used in DE3039.

For new participants to electronic data exchange using Applie-com, it is recommended that if non-GLNs are the only option, then use RFF in LOC to specify the non-EAN party id.

If the order is for a delivery to the ultimate customer and where code UD is used in DE3035, then DE3039, DE1131 and DE3055 need not be used.

If code UD is used in DE3035, then Applie-com recommends the use of DE3036 for the delivery-to customer's name, and at least two and a maximum of three iterations of DE3042, DE3164 for the suburb and DE3251 for the postal code.

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 *EAN (International Article Numbering association)*

91 *Assigned by seller or seller's agent*

Code 91 is not recommended by Applie-com, however it is only valid for use when the party, already doing data exchange, is using a non-EAN number. Code 91 has been allowed for migration purposes only.

92 *Assigned by buyer or buyer's agent*

Code 92 is not recommended by Applie-com, however it is only valid for use when the party, already doing data exchange, is using a non-EAN number. Code 92 has been allowed for migration purposes only.

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		O

For direct to customer deliveries i.e. where the whole order will be delivered to the customer, whose name and address appears below.

3036	Party name	M	an..35	M
	Party Name in clear text. E.g. F SMITH			
3036	Party name	C	an..35	O
	The second iteration is used when a "care-off" name is needed to be specified E.g. C/O MARGARET 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		O
3042	Street and number/p.o. box	M	an..35	M
	Building Name/Number and Street E.g. CITY TOWERS			
3042	Street and number/p.o. box	C	an..35	O
	Name and/or P.O. Box E.g. 18TH FLOOR			
3042	Street and number/p.o. box	C	an..35	O
	Use this line for the third iteration of the street and number E.g. 123 WEST TERRACE			
3042	Street and number/p.o. box	C	an..35	X

3164	CITY NAME City/Town, clear text. E.g. ADELAIDE	C	an..35	O
3229	COUNTRY SUB-ENTITY IDENTIFICATION County/State in clear text. E.g. SA	C	an..9	O
3251	POSTCODE IDENTIFICATION Postal Code E.g. 5000	C	an..9	O
3207	COUNTRY, CODED For ocverseas use only.	C	an..3	D

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.

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	O
	3225	Place/location identification	C an..25	O
	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>		
		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	X
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: **RFF** Segment Group 3: Reference
Position: 0130
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references relevant only to the specified party rather than the whole message.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0140	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0140 (Trigger Segment)
Group: SG2-SG3
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment for referencing documents relating to the party specified by the NAD segment.
Notes: Segment Notes.

This RFF segment is used to specify references related to the party identified in the previous NAD segment.

Example :

RFF+VA:6558774'

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>API</i>	<i>Additional party identification (EAN Code)</i>	
		<i>IA</i>	<i>Internal vendor number</i>	
	1154	Reference number	C an..35	R
	1156	Line number	C an..6	X
	4000	Reference version number	C an..35	X

Group: **CPS** Segment Group 10: Consignment Packing Sequence
Position: 0370
Group:
Level: 1
Usage: Conditional (Optional)
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.

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 Sequential numbering recommended. Number given to this CPS record	M an..12	M
7166		HIERARCHICAL PARENT ID. Number of Parent CPS record.	C an..12	Rec
7075		PACKAGING LEVEL, CODED	C an..3	O
	<i>1</i>	Inner This will mean, carton level. In the Electrical Appliance industry this will be the lowest unit level e.g. Fridge.		
	<i>2</i>	Intermediate This will mean, the pallet/tare level.		
	<i>3</i>	Outer This will mean "Final" Location Level (i.e. Store)		
	1E	Shipment This code will relate to the combined shipment totals levels. 1E=Highest. Level of packaging, if it exist, which is highest in the packaging hierarchy.		

Group: **PAC** Segment Group 11: Package
Position: 0400
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0410	PAC	Package	M	1	
O	0420	MEA	Measurements	C	10	
O	0430	QTY	Quantity	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	O
		Number of packages of this type for shipment (n..8)		
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	O
	7065	Type of packages identification	C an..17	Rec
		<i>09 Returnable pallet (EAN Code)</i>		
		<i>BG Bag</i>		
		<i>CT Carton</i>		
		<i>PK Package</i>		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		<i>9 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: In the Applie-com MIG this segment is optional.

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'

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	Rec
	6313	Measurement dimension, coded	C an..3	Rec
		<i>AAB Unit gross weight</i>		
		<i>ABJ Volume</i>		
		<i>HT Height dimension</i>		
		<i>LN Length dimension</i>		
		<i>WD Width 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>KGM Kilogram</i>		
		<i>LTR Litre (1 dm3)</i>		
		<i>MTQ Cubic metre</i>		
		<i>CMT Centimetres</i>		
	6314	Measurement value	C n..18	O
		Use a maximum of 3 decimal places when specifying cubic volume. Other measurement values use a maximum of 3 decimal places.		
	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: 0430
Group: SG10-SG11
Level: 3
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to specify the quantity per package described in the PAC segment.

Notes: Segment Notes.
 This segment is used to specify the quantity per package specified in the PAC segment.
 Example :
 QTY+52:24'
 Dependency Notes :
 DE 6411: This DE is only used if the package being identified is of variable quantity.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186		QUANTITY DETAILS	M	M
	6063	Quantity qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		12 <i>Despatch quantity</i>		
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	X

Group: **PCI** Segment Group 13: Package Identification
Position: 0470
Group: Segment Group 11 (Package) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1000
Purpose: A group of segments specifying markings, labels, and packing numbers.

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>		
C210		MARKS & LABELS	C	D
	7102	Shipping marks	M an..35	M
		Marks and numbers identifying individual packages. DE7102 is only used if Code 17 is in DE4233.		
	7102	Shipping marks	C an..35	O
		Marks and numbers identifying individual packages.		
	7102	Shipping marks	C an..35	O
		Marks and numbers identifying individual packages.		
	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 (Optional)
Max Use: 99
Purpose: A group of segments giving package identification numbers and, where relevant, delivery limitation information.

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'

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 Serial shipping container code</i>		
C208		IDENTITY NUMBER RANGE	M	M
	7402	Identity number	M an..35	M
		EAN/UCC-14 trade unit number, SSCC # (n18)		
	7402	Identity number	C an..35	X
		EAN-14 trade unit number, SSCC # (n18)		
C208		IDENTITY NUMBER RANGE	C	X
	7402	Identity number	M an..35	X
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	X
	7402	Identity number	M an..35	X
	7402	Identity number	C an..35	X
C208		IDENTITY NUMBER RANGE	C	X
	7402	Identity number	M an..35	X
	7402	Identity number	C an..35	X

Group: **LIN** Segment Group 15: Line Item
Position: 0550
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments providing details of the individual despatched items.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0560	LIN	Line Item	M	1	
O	0570	PIA	Additional Product Id	C	10	
R	0600	QTY	Quantity	C	10	
	0750		Segment Group 18: Place/Location Identification	C		100
	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
	7140	Item number	C an..35	R
		Format n..14		
		EAN/UCC-8, UCC-12, EAN/UCC-13, or EAN/UCC-14 - this is the number of the article being despatched.		
		Applie-com restricts the use of only EAN/UCC numbers in DE7140. If none EAN.UCC numbers are used, then it is recommended that the PIA segment is used.		
	7143	Item number type, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>EN International Article Numbering Association (EAN)</i>		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C829		SUB-LINE INFORMATION	C	X
	5495	Sub-line indicator, coded	C an..3	X
	1082	Line item number	C n..6	X
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 (Optional)
Max Use: 10
Purpose: A segment providing additional product identification.
Notes: This segment is used to specify additional or substitutional item identification codes such as a buyers, or sellers item number.

Applie-com requires code 5 to be used if no EAN.UCC number is specified in the preceding LIN segment.

Code 5 - Product Identification - To provide an additional product identification which is of equal importance or significance to the code provided in the LIN segment. EAN/UPC article number should not be used in conjunction with this code value. It should be noted that when this code is used, the product code specified here is the code which should be used for invoicing purposes

Examples :

PIA+5+RA141S-R:SA'

This example details the supplier item code RA141S-R which is provided as the primary product code because no EAN.UCC item number was provided in the LIN segment.

Code 1 - Additional Identification - To provide an additional identity for the product identified in the LIN segment. The additional identification can consist of :

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

An alternative identification which may be used where no main trade item number has been provided in the LIN segment, e.g., a buyers article number, an HIBC code, etc.

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>	<i>Additional identification</i>	
			The use of Code 1 is to give additional text information to assist in "trouble shooting" e.g. buyer's key code or item description.	
		<i>5</i>	<i>Product identification</i>	
			Used when there is no EAN/UCC number to reference the item.	
C212		ITEM NUMBER IDENTIFICATION	M	M
	7140	Item number	C an..35	R
		E.g. Model Number or Model Code		
	7143	Item number type, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>IN</i>	<i>Buyer's item number</i>	
			The use of this code is for information only and will not be used to identify the product.	
		<i>SA</i>	<i>Supplier's article number</i>	
			Used when the supplier's model number is used as the item number.	
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C212		ITEM NUMBER IDENTIFICATION	C	X

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

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.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186		QUANTITY DETAILS	M	M
	6063	Quantity qualifier	M an..3	M
	THIS HAS AN EANCOM RESTRICTED CODE SET.			
		12	Despatch quantity	
		21	Ordered quantity	
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	D
		EA	Each	
	Code EA is used to reference the unit of measure of the item number specified in the PIA segment in DE7140			

Group: **LOC** Segment Group 18: Place/Location Identification
Position: 0750
Group: Segment Group 15 (Line Item) Conditional (Optional)
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.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0760	LOC	Place/Location Identification	M	1	
O	0790	QTY	Quantity	C	10	

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 locations 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	Re
	3225	Place/location identification	C an..25	Rec
		EAN Location Code - Format n13		
		While it is recommended that EAN Global Location Numbers be used to identify location for split deliveries, due to migration issues, Buyer Assigned id (as allowed by EANCOM) may be used for split delivery identifications.		
	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>	
		92	<i>Assigned by buyer or buyer's agent</i>	
	3224	Place/location	C an..70	X
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

Segment: **QTY** Quantity
Position: 0790
Group: SG10-SG15-SG18
Level: 4
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment to specify quantity for the given location.

Notes: Segment Notes.

This segment is used to indicate the delivery quantity for the delivery location specified in the previous LOC segment. The total of all quantities specified in segment group 18 for the line must equal the value for the total quantity detailed in the QTY segment at line level.

Example :

QTY+11:14'

Dependency Notes :

DE 6411: This DE is only used if the product being despatched is a variable quantity product.

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 LIST.				
		<i>12</i>	<i>Despatch quantity</i>	
Code 12 is mandatory when a Despatch Advice message is transmitted.				
		<i>21</i>	<i>Ordered quantity</i>	
Code 21 is mandatory when a Despatch Advice message is transmitted.				
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	D
		<i>EA</i>	<i>Each</i>	
Code EA is used to rference the unit of measure of the item number specified in the PIA segment in DE7140				

Group: **QVR** Segment Group 23: Quantity Variances
Position: 0950
Group: Segment Group 15 (Line Item) Conditional (Optional)
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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: 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.

In Applie-com the use of the QVR segment is dependent on the trading arrangements between buyer and supplier.

Where delivery has been promised and cannot be fulfilled, the buyer is to be notified as soon as possible when the supplier is aware of the situation.

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
4221	6063	Quantity qualifier	C an..3	R
		21 Ordered quantity		
		66 Committed quantity		
C960		DISCREPANCY, CODED	C an..3	O
		BP Shipment partial - back order to follow		
		CP Shipment partial - considered complete, no backorder		
4295		REASON FOR CHANGE	C	X
	4295	Change reason, coded	C an..3	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
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>CCYMMDD</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.

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		CONTROL	M	M
	6069	Control qualifier	M an..3	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.		

14.0 Sample Applie-com DESADV Message

UNH+DESADV1+DESADV:D:96A:UN:EAN005'
BGM+351::9+DOC MSG NUMBER+9'
DTM+137:200204110700:203'
DTM+11:20020411:102'
ALI+++X6+164'
RFF+CN:123456'
RFF+ON:AS35724'
NAD+BY+9312345678902::9'
NAD+SU+9377778123457::9'
CPS+1++1'
PAC+35'
LIN+1++9312345000012:EN'
QTY+12:30'
LIN+2++9312345000043:EN'
QTY+12:5'
CNT+2:2'
UNT+17+DESADV1'

Message Header
Despatch advice number DOC MSG NUMBER
Message date/time stamp 7am 11th April 2002
Despatch date 11th April 2002
Standard pack shipment and is a complete shipment
Carrier reference number is 123456
Order number is AS35724
Buyer GLN 9312345678902
Supplier GLN 9377778123457
1st Shipment level
35 packages
1st line GTIN
Despatch quantity 30
2nd line GTIN
Despatch quantity 5
Number of lines in the message is two
Trailer, 17 segments used in message