



APPLIE-com
Purchase Order
(ORDERS) Version 3 Release

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 EAN 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	PRI segment (SG28)	Add comments to usage of codes in DE5125; If AAA is used, then TAX segment is optional, If NTP is used, the TAX segment is mandatory.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	PRI segment (SG28)	Add comment, in effect, Applie-com business rule, price should always be Tax Exclusive.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	DTM segment	Open DTM segment in LOC-QTY-DTM to allow for specifying date/time for split deliveries.	Change request agreed at MIG Work Group

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	(SG33)	Codes in DE2005 are same as codes in DTM at header level, except code 137.	meeting 1-3 May 2002, following industry feedback.
	LOC segment (SG33)	Add comments in notes that for cross docking purposes, the LOC segment under LIN will be used	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	PRI segment (SG28)	Add comments in notes, where prices are in the one order for the same item for different delivery dates, they (prices) need to be specified in different LINS	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	DTM segment (Header and SG33)	Add code 61=Cancel if not delivered by this date in DE2005. Qualified that code usage will be dependent on bilateral agreement.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	CTA-COM segments (SG5)	Add segments CTA-COM to provide for contact information. CTA-COM is optional under Applicom and will be dependent on bilateral agreement.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	CUX segment (SG7)	Add CUX segment for trading with other countries. It is not recommended for domestic transactions.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	QTY segment (SG25)	Open DE6411, measure unit qualifier. DE6411 usage dependent on use of PIA segment. Its usage is not mandatory.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	QTY segment (SG33)	Open DE6411, measure unit qualifier. DE6411 usage dependent on use of PIA segment. Its usage is not mandatory.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	PAC segment (SG30)	Add comment in notes that Applicom does not use the Composite C532 in the PAC segment	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback
	PAT-DTM segments (SG8)	Open PAT-DTM segment. However is only applicable outside normal trading terms i.e. for extended credit	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback
	MOA segments	Made DE6345 in MOA segments dependent, with comments, "for overseas use only".	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback
	NAD segment (SG2)	Added code IV = Invoicee to list of party qualifiers	Agreed at MIG working group meeting 17-19 July 2002.
Version 3	FTX segment (SG25)	Open FTX segment to provide for delivery instructions for a line item. Use code DIN in DE4451	Change request CR04004, approved by MIGs working group 18 May 2004
	CTA segment	Open GR code in DE3139	Change request approved

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			by MIGs working group 18 May 2004
	COM segment	Open TL code in DE3155 to allow for mobile/cell phone number to be specified	Change request approved by MIGs working group 18 May 2004
	PIA segment	Open code 2 in DE4347 to allow for potential substitution to be specified	Change request approved by MIGs working group 18 May 2004

4.0 Purchase Order Data Mapping Table

Purchase Orders (ORDERS) 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 Order	Mandatory	BGM / 0020	C002 DE1001	220 = Order 221 = Blanket order 226 = Call off order 22E = Manufacturer raised order 50E = Cross docking order		Applie-com recommends the use of code 50E to explicitly advise that the order is a cross docking order.
	Customer Order Number	Mandatory	BGM / 0020	DE1004		AN..35	Order number assigned by document sender
	Message function	Mandatory	BGM / 0020	DE1225	7= Duplicate 9= Original 16= Proposal 31= Copy		
	Date/time of Message	Mandatory	DTM/0030	C507 DE2005	137=Document/message date/time		This is the date/time stamp of the Orders message
	Delivery date/time	Mandatory	DTM / 0030	C507 DE2005	2=Delivery date/time requested 10=Shipment date/time requested 61=Cancel if not delivered by this date 63=Delivery date/time latest 64=Delivery date/time earliest		Delivery date relates to when goods are received. Shipment date relates to when goods are to leave despatcher. Code 61 dependent on bilateral agreement It is usual to use codes 63 and 64 in a pair to advise the date/time window for delivery
	Date/Time/period	Mandatory	DTM / 0030	C507		AN..35	

				DE2380			
	Time qualifier	Mandatory	DTM /0030	C507 DE2379	102=CCYYMMDD 203=CCYYMMDDHHMM		
	Free text	Optional	FTX / 0070	C108 DE4440		AN..70	Used to provide free form or coded text information for the entire purchase order. FTX is not recommended by Applie-com since it may inhibit automatic processing of the Order. Max. 70 characters
	Free text	Optional	FTX/0070	DE4452	DEL=Delivery Information PUR=Purchasing Information		DEL is used when specific delivery instruction, not explicit in the Orders message is required.
	Ref Number	Optional	RFF / 0090	C506 DE1153	BO=Blanket order number CT=Contract number PD=Promotional deal number SD=Sales department number.		
	Ref. Number	Conditional	RFF/0090	DE1154		AN..35	Reference number is mandatory if RFF segment is used.
	Buying Party	Mandatory	NAD / 0120	DE3035	BY=Buyer BS=Bill & Ship To IV= Invoicee		IV is the party to whom the invoice is issued or sent to. Use IV if the party is different to the Buyer.
	Supplier id	Mandatory	NAD/ 0120	C082 DE3039	SU=Supplier		
	Ship To Party	Conditional	NAD / 0120	DE3035	ST=Ship to UD=Ultimate Customer		Where the whole order is to be delivered to the final recipient, usually the end customer.
	Party identification	Mandatory	NAD/0120	C082 DE3039		AN..35	Applie-com recommends to use of the EAN Global Location Number for party identification. However non-EAN numbers could be used for migration purposes.
	Responsible agency after specifying party id.	Mandatory	NAD / 0120	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/0120	C080 DE3036		2 x AN..35	For direct to customer deliveries. Second iteration is for "care off" situations.
	Street Name	Conditional	NAD/0120	C059 DE3042		3 x AN..35	
	City Name	Conditional	NAD/0120	DE3164		AN..35	
	State	Conditional	NAD/0120	DE3229		AN..9	
	Postcode	Conditional	NAD/0120	DE3251		AN..9	
	Country, coded	Conditional	NAD/0102	DE3207		AN..3	For overseas use only
	Place of delivery	Conditional	LOC / 0130	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 identification	Optional	LOC/0130	C517 DE3225		AN..25	Applie-com recommends to use of the EAN Global Location Number for party identification. However non-EAN numbers could be used for migration purposes.
	Responsible agency after specifying party id.	Optional	LOC / 0130	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	Optional	RFF / 00160	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	Optional	RFF/0160	C506 DE1154		AN..35	
	Contact information	Optional	CTA/0220	DE3130	OC=Order Contact GR=Goods Receiving Contact		Use of CTA is optional and is dependent on bilateral agreement
	Dept/ employee identification	Optional	CTA/0220	C056 DE3413		AN..17	It is not a requirement to specify anything in DE3413 if DE3139 is used.
	Dept/ Employee	Conditional	CTA/0220	C056 DE3412		AN..35	Must be used of DE3139 is used
	Communication number	Optional	COM/0230	C076 DE3148		AN..512	Use of CTA is optional and is dependent on bilateral agreement. Enter the communication number
	Communication channel	Optional	COM/0230	C076 DE3155	EM=Electronic mail FX=Telefax TE=Telephone		

					TL=Telex (In the short term, Applie-com will use TL to specify a mobile/cell phone number)		
	Currency details qualifier	Conditional	CUX/0290	C504 DE6347	2=Reference currency		For overseas trading only. Not recommended for domestic trade.
	Currency coded	Conditional	CUX/0290	C504 DE6345		AN..3	ISO 4217 three alpha
	Currency qualifier	Conditional	CUX/0290	C504 DE6343	9=Order Currency		
	Payment terms type qualifier	Conditional	PAT/0330	DE4279	7=Extended		If payment terms are beyond normal trading terms.
	Payment time reference, coded	Conditional	PAT/0330	C112 DE2475	66=Specified date		
	Date/time/period qualifier	Conditional	DTM/0340	C507 DE2005	13=Terms net due date		
	Date/time/period	Conditional	DTM/0340	C507 DE2380		AN..35	Specify the date
	Date/time/period format	Conditional	DTM/0340	C507 DE2379	102=CCYYMMDD		

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							
	Sequence line number	Mandatory	LIN / 0940	DE1082		N..6	Application generated number of the count of the order lines.
	GTIN number	Mandatory	LIN / 0940	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 / 0940	C212 DE7143	EN=International Article Numbering association		Use PIA segment if the item number is a non-EAN number
	Additional product id	Conditional	PIA / 0950	DE4347	1=Additional identification 2=Identification for potential substitution 5=Product identification		Code 1 is to assist in trouble shooting e.g. buyer's key code number Code 2 is used when the buyer advises the seller that the item specified in the LIN can be potentially substituted with the items specified in the PIA. Code 5 is used where a non-EAN number is to be referenced.
	Item number	Conditional	PIA/0950	C212 DE7140		AN..35	
	Item number type code	Conditional	PIA / 0950	C212 DE7143	IN=Buyer's item number SA=Supplier's article number		
	Item Description type code	Optional	IMD / 0960	DE7077	F=Free Form		Item Description is not mandatory and is considered optional.
	Item Description	Optional	IMD / 0960	C273 DE7008		2 x AN..35	Item Description is not mandatory and is considered optional. A total of 70 characters is allowed.

	Quantity Qualifier	Mandatory	QTY / 0980	C186 DE6063	21=Ordered quantity		
	Quantity	Mandatory	QTY/0980	C186 DE6060		N..15	
	Measure unit qualifier	Conditional	QTY/0980	C186 DE6411	EA=Each		Code EA is used to reference the unit of measure of the item number specified in the PIA segment in DE7140.
	Free Text Text subject qualifier	Optional	FTX/ 1080	DE4451	DIN=Delivery instructions		Code DIN only relates to delivery instructions and refers to a one to one relationship with the LIN. FTX is not to be used for multiple delivery locations, because the FTX will apply to all locations specified.
	Text function, coded	Optional	FTX/1080	DE4453	1=Text for subsequent use		
	Text Literal	Optional	FTX/1080	C108 DE4440		AN..70	
	Unit price	Mandatory	PRI / 1190	C509 DE5125	AAA=Calculation net. . NTP=Calculation net – including taxes.		The price stated is the net price including allowances/charges and excluding taxes. This is the net invoice for the item (Price excluding GST) The price stated is the net price including allowances and charges and including taxes. (Price including GST)
	Price	Mandatory	PRI/1190	C509 DE5118		N..15	
	Price type qualifier	Mandatory	PRI / 1190	C509 DE5387	INV=Invoice price		Applie-com requires that code INV be specified to qualify the monetary value specified in DE5118.
	Number of Packages	Conditional	PAC/1280	DE7224		N..8	
	Package information	Conditional	PAC / 1280	C531 DE7075	1=Inner 3=Outer		Code 1 applies to packages with inner/outer configuration and 1 relates to the inner. Code 3 applies to outer packaging, whether it has inner/outer packaging or only outer packaging.
	Split Delivery Location Qualifier	Conditional	LOC / 1410	DE3227	7=Place of delivery		
	Location	Conditional	LOC / 1410	C517		AN..25	Applie-com recommends the use the EAN Global Location Number

	id			DE3225			for place/location identification. However if no EAN GLN is available or for migration purposes an internal location number is acceptable.
	Responsible agency after specifying party id.	Conditional	LOC / 1410	C517 DE3055	9=EAN 92=Assigned by buyer or buyer's agent		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 92.
	Split Delivery quantity	Conditional	QTY / 1420	C186 DE6063	11=Split quantity. Part of the whole quantity		The sum of the total split quantity must equal the quantity specify at QTY / 0980 segment.
	Quantity	Conditional	QTY/1420	C186 DE6063		N..15	
	Measure unit qualifier	Conditional	QTY/1420	C186 DE6411	EA=Each		Code EA is used to reference the unit of measure of the item number specified in the PIA segment in DE7140.
	Date/time period qualifier	Conditional	DTM/1430	C507 DE2005	2=Delivery date/time requested 10=Shipment date/time requested 61=Cancel if not delivered by this date 63=Delivery date/time latest 64=Delivery date/time earliest		Delivery date relates to when goods are received. Shipment date relates to when goods are to leave despatcher. Code 61 dependent on bilateral agreement It is usual to use codes 63 and 64 in a pair to advise the date/time window for delivery
	Date/time /period	Conditional	DTM/1430	C507 DE2380		AN..35	
	Date/time /period format qualifier	Conditional	DTM/1430	C507 DE2379	102=CCYYMMDD		
	Tax function qualifier	Mandatory	TAX/1450	DE5283	7=Tax		
	Tax type code	Mandatory	TAX / 1450	C241 DE5153	GST=Goods and Services tax		

	Tax rate	Mandatory	TAX / 1450	C243 DE5278		AN..17	Tax rate
	Ultimate Destination	Conditional	NAD / 1490	DE3035	UD=Ultimate customer. The final recipient of goods		This segment is used to specify the ultimate (end) customer for the current line item.
	Party name	Conditional	NAD / 1490	C080 DE3036		2 x AN..35	Party name
	Street and number	Conditional	NAD / 1490	C059 DE3042		3 x AN..35	Street and number
	City name	Conditional	NAD / 1490	DE3164		AN..35	Suburb name
	State	Conditional	NAD / 1490	DE3229		AN..9	State
	Post Code	Conditional	NAD / 1490	DE3251		AN..3	Post Code

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							
	Section identifier	Mandatory	UNS/2090	DE0081	S=Detail/summary section separation		
	Monetary type qualifier	Mandatory	MOA / 2100	C516 DE5025	86=Message total monetary amount		
	Monetary amount	Mandatory	MOA / 2100	C516 DE5004		N..18	The amount reported is the sum of the price specified for each item (in DE5118) x the quantity ordered (in DE6060).
	Control totals	Mandatory	CNT / 2110	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/2110	C270 DE6411		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		
Purchase order type (e.g. blanket order, call off order, etc)	BGM	AN..3
Purchase order number	BGM	AN..35
Message function (e.g. original, copy, etc)	BGM	AN..3
Purchase order date/time	DTM	AN..35
Buyer and Seller identification	NAD	AN..35
Detail		
Line item number	LIN	N..6
Item number (EAN GTIN format N..14)	LIN	AN..35
Item number (non-EAN GTIN)	PIA	AN..35
Order quantity	QTY	N..15
Price of item	PRI	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.

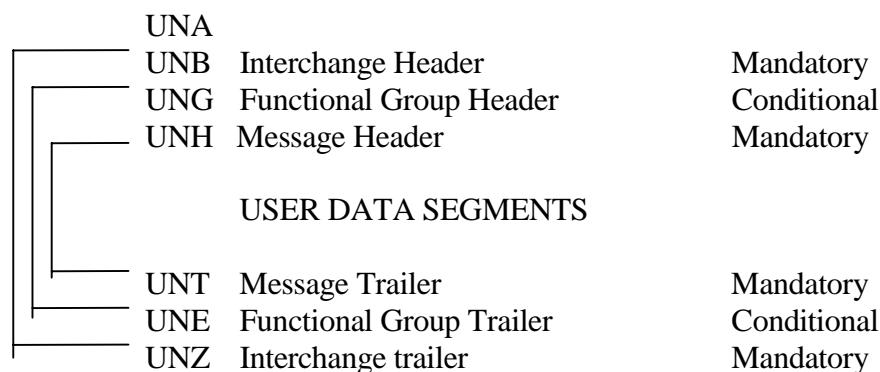
6.2 UN/EDIFACT syntax overview

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.

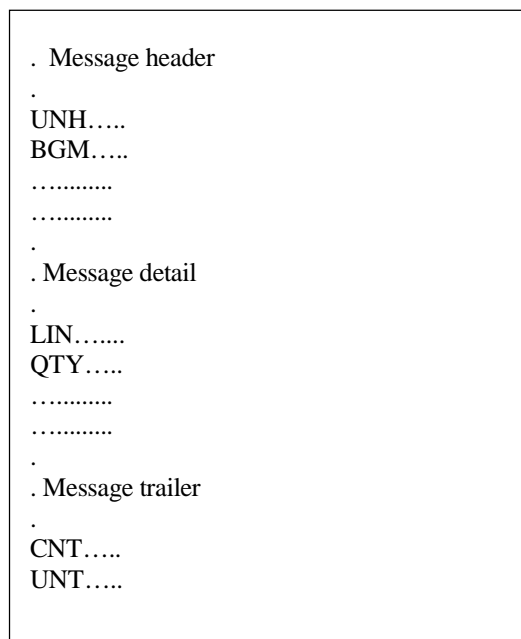
User data segments contain the information itself, in a format specific to each message type.

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	\
Right 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.

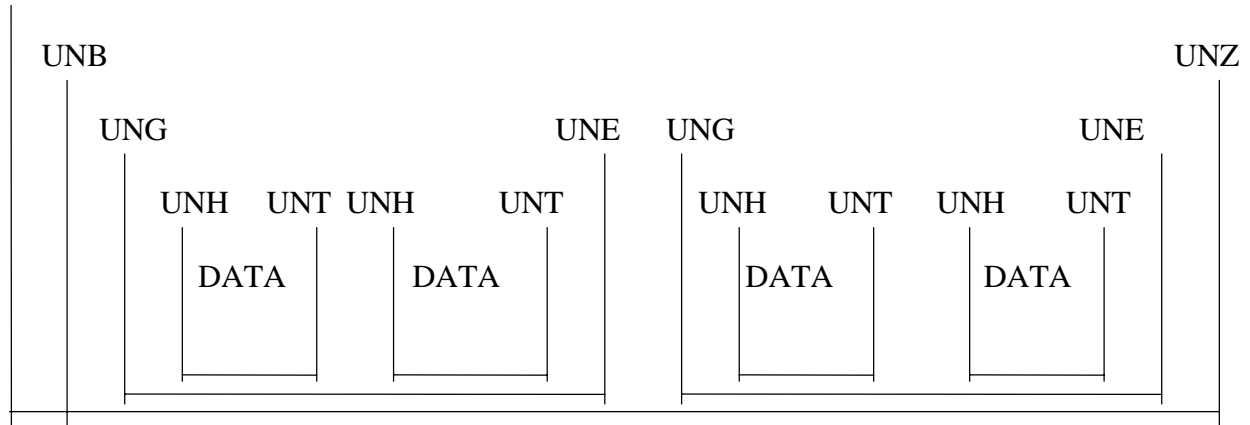
The last service segment, 'UNH', indicates the beginning of a given message.

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

The interchange can thus be represented like this:

UNA



Segment UNA is dependent on the character set being used. If the EANCOM® default character set A is being used then the UNA segment is not required.

Segments UNB..UNZ and UNH..UNT are mandatory.

Segments UNG..UNE are conditional. 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.

If the UNG..UNE segments are used then it should be noted that it is not possible in the EANCOM® CONTRL message to syntactically report on a functional group.

The message itself is structured with a Header, a Detail and a Summary section. In messages where there may be ambiguity between the sections the UNS segment may be used as a separator.

The layout of the service segments UNA, UNB..UNZ, and UNG..UNE is presented in this section.

The segments UNH, UNS, and UNT being different for each message, are detailed in the message description part of this manual.

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 Must Use
S002 INTERCHANGE SENDER	M	M		
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 Must Use
S003 INTERCHANGE RECIPIENT	M	M		
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 Must Use
S004 DATE / TIME OF PREPARATION	M	M		
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 Not Used
S005 RECIPIENT'S REFERENCE PASSWORD	C	O		
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 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, Applie-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, Applie-com 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 ORDERS Purchase Order Message

Introduction:

13.1 Definition

A message specifying details for goods or services ordered under conditions agreed between the seller and the buyer.

13.3 Principles

The EANCOM subset of the UNSM Purchase Order is intended to be used in day to day ordering transactions.

The recommended business practice is that one Purchase Order is placed for one delivery in one location at one time.

It is however possible to request deliveries in several locations, by using Segment Group 33 (LOC-QTY-DTM) in the detail section. Deliveries of this nature are termed split deliveries. Using the DTM (Date and Time) segment in the detail section, makes it possible to request deliveries on different dates within the same purchase order. Split deliveries may also take place to the same location on different dates over a period of time.

The Purchase Order message can be used to send blanket orders followed at a later date by a series of call-offs (both message types can be identified precisely in the BGM segment with the appropriate coded identifier). The blanket order specifies a global product quantity per line item to be ordered over a period of time. The subsequent call-offs referring to the blanket order will request a part of the global quantity with specific delivery dates and locations.

13.3 ORDER Message

Notes:

1st draft of the Electrical Appliances Industry (Applie-com) Message implementation Guidelines.
 2nd draft of Applie-com Orders Message, following input from industry participants. Agreed at MIG Work Group meeting 1-3 May 2002.
 3rd version. Following change requests received and process after release of 2nd version. CR approved in meeting 18 May 2004 of MIGs working group. Add FTX segment in LIN loop to allow for delivery instructions pertaining to a line item. Added new codes in DE3139 of CTA, DE3155 of COM and DE4347 of PIA segments.

Heading Section:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
29	0010	UNH	Message Header	M	M	1		
30	0020	BGM	Beginning of Message	M	M	1		
32	0030	DTM	Date/Time/Period	M	M	35		
33	0070	FTX	Free Text	C	O	99		
	0080		Segment Group 1	C	O		10	
35	0090	RFF	Reference	M	M	1		
	0110		Segment Group 2	C	R		99	
37	0120	NAD	Name and Address	M	M	1		
40	0130	LOC	Place/Location Identification	C	O	25		
	0150		Segment Group 3	C	O		10	
43	0160	RFF	Reference	M	M	1		

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	0210		Segment Group 5	C	O	5		
45	0220	CTA	Contact Information	M	M	1		
46	0230	COM	Communication Contact	C	O	5		
	0280		Segment Group 7	C	O	5		
48	0290	CUX	Currencies	M	M	1		
	0320		Segment Group 8	C	O	10		
51	0330	PAT	Payment Terms Basis	M	M	1		
52	0340	DTM	Date/Time/Period	C	O	5		

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>
	0930		Segment Group 25	C	R		200000	
54	0940	LIN	Line Item	M	M	1		
55	0950	PIA	Additional Product Id	C	O	25		
57	0960	IMD	Item Description	C	O	99		
58	0980	QTY	Quantity	C	R	10		
59	1080	FTX	Free Text	C	O	99		
	1180		Segment Group 28	C	R		25	
62	1190	PRI	Price Details	M	M	1		
	1270		Segment Group 30	C	O		10	
64	1280	PAC	Package	M	M	1		
	1400		Segment Group 33	C	O		9999	
66	1410	LOC	Place/Location Identification	M	M	1		
67	1420	QTY	Quantity	C	D	1		
68	1430	DTM	Date/Time/Period	C	O	5		
	1440		Segment Group 34	C	O		10	
70	1450	TAX	Duty/Tax/Fee Details	M	M	1		
	1480		Segment Group 35	C	O		99	
72	1490	NAD	Name and Address	M	M	1		

Section Control:

<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>
74	2090	UNS	Section Control	M	M	1		

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>
75	2100	MOA	Monetary Amount	C	R	12		
76	2110	CNT	Control Total	C	R	10		
77	2160	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 Purchase order message is ORDERS.
 Note: Purchase order messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 ORDERS 0052 D 0054 96A 0051 UN
Notes: This segment is used to head, identify and specify a message.
 DE's 0065, 0052, 0054, and 0051: Indicate that the message is an UNSM Purchase Order based on the D.96A directory under the control of the United Nations.
 DE 0057: Indicates that the message is the EANCOM version 008 of the UNSM Purchase Order.
 Example :
 UNH+18+ORDERS:D:96A:UN:EAN008'

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 exactly the same. Sender generated.				
S009		MESSAGE IDENTIFIER	M	M
	0065	Message type identifier	M an..6	M
THIS HAS AN EANCOM RESTRICTED CODE LIST				
<i>ORDERS Purchase order 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>EAN008 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 by which the sender must uniquely identify the order by means of its name and number and when necessary its function.

Notes: This segment is used to indicate the type and function of a message and to transmit the identifying number.

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

DE 1225: The message function, coded is a critical data element in this segment. It applies to all data indicated in the message.

Example :

BGM+220+ABCDE1234567890+9'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C002		DOCUMENT/MESSAGE NAME	C	R
	1001	Document/message name, coded	C an..3	R
THIS HAS AN EANCOM RESTRICTED CODE LIST				
		220 <i>Order</i>		
Sometimes referred to as a Standalone order.				
		221 <i>Blanket order</i>		
Sometimes referred to as a Spreadsheet Order.				
		226 <i>Call off order</i>		
		22E <i>Manufacturer raised order (EAN Code)</i>		
Sometimes referred to as a Reverse Purchase Order.				
		50E <i>Cross docking order (EAN Code)</i>		
An order requesting cross docking services for goods to be delivered to a retailer. Some retailers will choose this code as a more explicit advice. Other retailers will choose to use code 220, and the supplier will need to establish if it is a cross dock order by referencing the LOC-QTY-DTM segments at each line level.				
	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>		
Code 9 is used when the code used in DE1001 is an EAN specific code.				
	1000	Document/message name	C an..35	X
1004		DOCUMENT/MESSAGE NUMBER	C an..35	R
Customers purchase order number is mandatory.				
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>		
		16 <i>Proposal</i>		
For a VMI (Vendor Managed Inventory) business practice, where the supplier will recommend the purchase order for the retailer to accept.				

31

Copy

A copy of an order 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: Mandatory
Max Use: 35
Purpose: A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the order date. Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order and, if no schedule is to be specified, the delivery date. The Date/time/period segment within other Segment group should be used whenever the date/time/period requires to be logically related to another specified data item. e.g. Payment due date is specified within the PAT Segment group.

Notes: This segment is used to specify the date of the Order and, where required, requested dates concerning the delivery of the goods.

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

Example :

DTM+137:200106301359:203

This example dates and time stamps the message as created 1:59pm 30th June 2001.

DTM+2:20011031:102'

This example requests delivery on the 31st October 2001.

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>2</i>		<i>Delivery date/time, requested</i>
		<i>10</i>		<i>Shipment date/time, requested</i>
		<i>61</i>		<i>Cancel if not delivered by this date</i>
				Code 61 allows a cancelled if not delivered option for backorders in addition to the normal delivery window.
				Code 61 usage will be dependent on bilateral agreements.
		<i>63</i>		<i>Delivery date/time, latest</i>
				To indicate a delivery window, then specify code 63 and code 64.
		<i>64</i>		<i>Delivery date/time, earliest</i>
				To indicate a delivery window, then specify code 63 and code 64.
		<i>137</i>		<i>Document/message date/time</i>
				Code 137 is used to specify the date of the Purchase Order Message.
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		<i>102</i>		<i>CCYYMMDD</i>
		<i>203</i>		<i>CCYYMMDDHHMM</i>

Segment: **FTX** Free Text
Position: 0070
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Notes: This segment is used to provide free form or coded text information for the entire purchase order.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Order. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example :

FTX+DEL+++PHONE 0416 999 999 BEFORE DELIVERY'

Dependency Notes :

DE C108: This composite is only used if coded text cannot be used.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4451		TEXT SUBJECT QUALIFIER	M an..3	M
		<i>DEL</i> Delivery information		
		Qualifier DEL is used when specific delivery instructions, not explicit in the Orders message is required.		
		<i>PUR</i> Purchasing information		
4453		TEXT FUNCTION, CODED	C an..3	X
C107		TEXT REFERENCE	C	X
		References to a standard text.		
	4441	Free text, coded	M an..3	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C108		TEXT LITERAL	C	R
		This composite must be used if the FTX segment is used.		
	4440	Free text	M an..70	M
		Free text used to describe some aspect of the delivery. This text will be reproduced on the invoice and warehouse picking slip. It is recommended to use character set level A. i.e. UPPER CASE CHARACTERS. For more details about character set A refer to the EANCOM guidelines.		
	4440	Free text	C an..70	X
	4440	Free text	C an..70	X
	4440	Free text	C an..70	X
	4440	Free text	C an..70	X
3453		LANGUAGE, CODED	C an..3	X

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

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	0090	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0090 (Trigger Segment)
Group: SG1
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.
Notes: This segment is used to specify other references which relate to the transmission, for example, promotional deal number. Any references given at this point are valid for the whole document unless superseded by references at line level.
 Example :
 RFF+PD+ABC123'

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>BO</i>		<i>Blanket order number</i>
Code BO is required as a reference, when a call-off order is being processed. A call-off order must be in reference to a blanket order.				
		<i>CT</i>		<i>Contract number</i>
		<i>PD</i>		<i>Promotion deal number</i>
		<i>SD</i>		<i>Sales department number</i>
	1154	Reference number	C an..35	R
A reference number is mandatory.				
	1156	Line number	C an..6	X
	4000	Reference version number	C an..35	X

Group: **NAD** Segment Group 2: Name and Address
Position: 0110
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99
Purpose: A group of segments identifying the parties with associated information.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0120	NAD	Name and Address	M	1	
O	0130	LOC	Place/Location Identification	C	25	
	0150		Segment Group 3: Reference	C		10
	0210		Segment Group 5: Contact Information	C		5

Segment: **NAD** Name and Address
Position: 0120 (Trigger Segment)
Group: SG2
Level: 1
Usage: Mandatory
Max Use: 1

Purpose: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the order. Identification of the seller and buyer parties is mandatory for the order message. 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, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

Notes: The NAD segment is used to identify the trading partners involved in the Order process. Identification of the buyer and supplier of goods and services is mandatory in the Order using DE's 3035 and C082.

The delivery address given in NAD at header level is the main delivery address for all line items.

If coded address information can not be used it is recommended to use a structured address (C080 through 3207). This would apply to the situation where a delivery-to ultimate customer address is specified.

It is an Applie-com business rule that a delivery location **MUST** be specified. It can be an EAN Global Location Number (GLN) or an actual street address. If the billing and shipping address has the same GLN, then use code BS in DE3035. If GLNs are different, with its own GLN, then use BY and ST in DE3035. If a GLN is not available for the delivery address then second occurrence of NAD should have code UD, to specify the ultimate delivery customer.

Example :

The identification of the buyer and supplier of goods and services is mandatory

```
NAD+BY+1234567890128::9'
NAD+ST+2224567890128::9'
NAD+SU+2234567890127::9'
```

The buyer has GLN 12234567890128, the ship to GLN is 2224567890128 and the supplier GLN is 2234567890127.

```
NAD+BS+3234567890126::9'
NAD+SU+2234567890127::9'
```

The bill and ship to GLN is 3234567890126 and the supplier GLN is 2234567890127.

```
NAD+BY+1234567890128::9'
NAD+SU+2234567890127::9'
NAD+UD+++F SMITH+CITY TOWERS:123 WEST TCE+ADELAIDE+SA+5001'
```

The buyer has GLN 12234567890128 and the supplier GLN is 2234567890127. The ultimate customer where the goods are to be delivered is F Smith at City Towers, 123 West Tce, in Adelaide, SA, 5001.

Dependency Notes :

The following composites and data elements are only used when a coded name and address can not be used or there is a requirement to furnish the full name and address for the trading party. The affected composites and data elements are as follows:

C080 - C059 - 3164 - 3229 - 3251 - 3207

Data Element Summary

Data Component

Base

User

<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
3035		PARTY QUALIFIER	M an..3	M
		<i>BS</i>		<i>Bill and ship to</i>
		<i>BY</i>		<i>Buyer</i>
		<i>IV</i>		<i>Invoicee</i>
				IV is the party to whom the invoice is issued or sent to. Use IV if the party is different to the Buyer.
		<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 for 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	D
				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	C an..35	D
				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	D
				THIS HAS AN EANCOM RESTRICTED CODE LIST
		<i>9</i>		<i>EAN (International Article Numbering association)</i>
				Use Code 9 when an EAN Global Location Number is used as the party identification.
		<i>91</i>		<i>Assigned by seller or seller's agent</i>
				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.
		<i>92</i>		<i>Assigned by buyer or buyer's agent</i>
				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		D
		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. Eg. 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		D
	3042	Street and number/p.o. box	M	an..35	M
		Building Name/Number and Street. Eg. CITY TOWERS			
	3042	Street and number/p.o. box	C	an..35	O
		Use this line for the second iteration of the street and number. Eg. 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. Eg. 123 WEST TERRACE			
	3042	Street and number/p.o. box	C	an..35	X
3164		CITY NAME	C	an..35	D
		City/Town name, clear text Eg. ADELAIDE			
3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	D
		County/State in clear text. Eg. SA			
3251		POSTCODE IDENTIFICATION	C	an..9	D
		Postal Code Eg. 5001			
3207		COUNTRY, CODED	C	an..3	D
		For overseas use only.			

Segment: **LOC** Place/Location Identification
Position: 0130
Group: SG2
Level: 2
Usage: Conditional (Optional)
Max Use: 25

Purpose: A segment giving more specific location information of the party specified in the NAD segment e.g. internal site/building number.

Notes: This segment is used to indicate any location related to the party specified in the NAD segment.

It is recommended that EAN GLN be used for the identification of all locations.

Example :

LOC+7+9312345678907::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>		
		DE3227 may not be used for DSD orders		
C517		LOCATION IDENTIFICATION	C	Re
	3225	Place/location identification	C an..25	Rec
		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 DE3225.		
	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>		
		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	<i>Assigned by buyer or buyer's agent</i>		
		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.		
	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: 0150
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references only relevant to the specified party rather than the whole order.

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	0160	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0160 (Trigger Segment)
Group: SG2-SG3
Level: 2
Usage: Mandatory
Max Use: 1

Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.

Notes: This RFF segment is used to specify reference numbers related to the party specified in the previous NAD segment.

Example :

RFF+IA:01557'

The example indicates that the internal vendor number used by the buyer for the supplier is 01557.

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: **CTA** Segment Group 5: Contact Information
Position: 0210
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

Notes: *** THE USE OF THE CTA-COM SEGMENT IS NOT MANDATORY UNDER APPLIE-COM. ITS USAGE IS DEPENDENT ON BILATERAL AGREEMENT***

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	0220	CTA	Contact Information	M	1	
O	0230	COM	Communication Contact	C	5	

Segment: **CTA Contact Information**
Position: 0220 (Trigger Segment)
Group: SG2-SG5
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department, and their function, to whom communications should be directed.
Notes: ***THIS SEGMENT IS OPTIONAL AND WILL BE DEPENDENT ON BILATERAL AGREEMENT***
 This segment is used to identify contact names within the company specified in the previous NAD segment. The EAN location code is particularly suitable for this purpose.
 Example :
 CTA+OC+:P FORGET'

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>GR</i>	<i>Goods receiving contact</i>	
			This is the person receiving the goods	
		<i>OC</i>	<i>Order contact</i>	
			For Applie-Com the code OC is used to specify the name of the employee who placed the order, usually the actual buyer, and who is the person to answer relevant questions about the order placed.	
C056		DEPARTMENT OR EMPLOYEE DETAILS	C	O
	3413	Department or employee identification	C an..17	O
			Specify the department where the contact person is working or the contact person's internal identification number, if known. It is not a requirement to specify anything in DE3413, if DE3139 is used.	
	3412	Department or employee	C an..35	R
			Specify the name of the contact person e.g. PETER SMITH contact name must be present when DE3139 is used.	

Segment: **COM** Communication Contact
Position: 0230
Group: SG2-SG5
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment to identify a communications type and number for the contact specified in the CTA segment.

Notes: ***THIS SEGMENT IS OPTIONAL AND WILL BE DEPENDENT ON BILATERAL AGREEMENT***

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

Example :

COM+0044715632478:TE'

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	M an..3	M
		<i>EM</i>		<i>Electronic mail</i>
		<i>FX</i>		<i>Telefax</i>
		<i>TE</i>		<i>Telephone</i>
		<i>TL</i>		<i>Telex</i>

IN THE SHORT TERM, APPLIE-COM WILL USE CODE TL TO SPECIFY A MOBILE OR CELL PHONE NUMBER. AN EANCOM CR WILL BE RAISED FOR A SPECIFIC CODE FOR MOBILE/CELL PHONE

Group: **CUX** Segment Group 7: Currencies
Position: 0280
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 5
Purpose: A group of segments specifying the currencies and related dates/periods valid for the whole order. Currency data may be omitted in national applications but will be required for international transactions.

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	0290	CUX	Currencies	M	1	

Segment: **CUX** Currencies
Position: 0290 (Trigger Segment)
Group: SG7
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the currencies required in the order e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.
Notes: *** APPLIE-COM BUSINESS RULE - IT IS RECOMMENDED THAT THE USE OF THIS SEGMENT IS ONLY FOR USE WHEN TRADING WITH OTHER COUNTRIES. IT IS NOT RECOMMENDED FOR AUSTRALIAN DOMESTIC TRANSACTIONS***

This segment is used to specify currency information for the complete order.

The CUX segment may be omitted for national exchanges.
 The CUX segment is mandatory for international exchanges.

This segment is used to specify the currencies for international ordering.

When specifying Reference and Target Currencies for international trade, one occurrence of CUX is all that is required. The reference currency is identified in the first occurrence of composite C504, with the target currency specified in the second occurrence of C504. The rate of exchange between the two is detailed in DE 5402.

The general rule for calculating the rate of exchange is as follows:

Reference Currency multiplied by Rate = Target Currency.

Example :

CUX+2:GBP:9'

Indicates that the order currency is Pounds Sterling.

CUX+2:GBP:9+3:BEF:4+48.50'

Indicates that the order currency is Pounds Sterling and the invoicing currency is Belgian Francs with a rate of exchange of 48.50 Belgian Francs to 1 Pound Sterling.

Dependency Notes :

DE C504: the second occurrence of this composite is only used if a target currency is being specified.

DE 5402: The rate of exchange is only used if a target currency has been identified in the second occurrence of C504.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>	
C504		CURRENCY DETAILS	C	R	
	6347	Currency details qualifier	M an..3	M	
	THIS HAS AN EANCOM RESTRICTED CODE LIST				
		2	Reference currency		
	6345	Currency, coded	C an..3	R	
	ISO 4217 three alpha.				
	6343	Currency qualifier	C an..3	R	
	THIS HAS AN EANCOM RESTRICTED CODE LIST				
		9	Order currency		
	6348	Currency rate base	C n..4	X	

C504		CURRENCY DETAILS	C		X
	6347	Currency details qualifier	M	an..3	X
		TIS HAS AN EANCOM RESTRICTED CODE LIST			
	6345	Currency, coded	C	an..3	X
		ISO 4217 three alpha.			
	6343	Currency qualifier	C	an..3	X
	6348	Currency rate base	C	n..4	X
5402		RATE OF EXCHANGE	C	n..12	X
6341		CURRENCY MARKET EXCHANGE, CODED	C	an..3	X

Group: **PAT** Segment Group 8: Payment Terms Basis
Position: 0320
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying the terms of payment applicable for the whole order.
Notes: ***APPLIE-COM RECOMMENDS THAT THE USE OF SEGMENT PAT-DTM IS ONLY APPLICABLE TO OUTSIDE NORMAL TRADING TERMS I.E. EXTENDED CREDIT***

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	0330	PAT	Payment Terms Basis	M	1	
O	0340	DTM	Date/Time/Period	C	5	

Segment: **PAT** Payment Terms Basis
Position: 0330 (Trigger Segment)
Group: SG8
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the payment terms and date/time basis.
Notes: ***APPLIE-COM RECOMMENDS THAT THE USE OF SEGMENT PAT-DTM IS ONLY APPLICABLE TO OUTSIDE NORMAL TRADING TERMS I.E. EXTENDED CREDIT***

This segment is used by the issuer of the order to request special payments terms for the current order only.

Example :

PAT+22++5:3:D:20'

This example indicates discount payment terms with payment due 20 days after the reference date which in this case is the invoice date.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4279		PAYMENT TERMS TYPE QUALIFIER	M an..3	M
		7 <i>Extended</i>		
C110		PAYMENT TERMS	C	X
	4277	Terms of payment identification	M an..17	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	4276	Terms of payment	C an..35	X
	4276	Terms of payment	C an..35	X
C112		TERMS/TIME INFORMATION	C	O
	2475	Payment time reference, coded	M an..3	M
		66 <i>Specified date</i>		
	2009	Time relation, coded	C an..3	X
	2151	Type of period, coded	C an..3	X
	2152	Number of periods	C n..3	X
		Number of periods for payment.		

Segment: **DTM** Date/Time/Period
Position: 0340
Group: SG8
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment giving the specific date/time/period, if needed, of any payments, discounts, installments etc.
Notes: This segment is used to specify any dates associated with the payment terms.

Example :

DTM+13:19940331:102'

Net due date for payment is the 31st March 1994.

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				
		13 <i>Terms net due 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: **LIN** Segment Group 25: Line Item
Position: 0930
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 200000
Purpose: A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0940	LIN	Line Item	M	1	
O	0950	PIA	Additional Product Id	C	25	
O	0960	IMD	Item Description	C	99	
R	0980	QTY	Quantity	C	10	
O	1080	FTX	Free Text	C	99	
	1180		Segment Group 28: Price Details	C		25
	1270		Segment Group 30: Package	C		10
	1400		Segment Group 33: Place/Location Identification	C		9999
	1440		Segment Group 34: Duty/Tax/Fee Details	C		10
	1480		Segment Group 35: Name and Address	C		99

Segment: **LIN** Line Item
Position: 0940 (Trigger Segment)
Group: SG25
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered. Other product identification numbers e.g. Buyer product number, etc. can be specified within the following PIA segment.

Notes: This segment is used to identify the item being ordered.

APPLIE-COM RECOMMENDS THAT EACH LINE ITEM NUMBER IDENTIFIED MUST BE UNIQUE I.E. DE1082. APPLIE-COM RECOMMENDS THAT THE LINE NUMBERS IN DE1082 BE SEQUENTIAL FOR EASE OF TROUBLE SHOOTING AND RECONCILIATION.

The detail section of the Purchase Order is formed by a repeating group of segments, always starting with the LIN segment.

Example :

LIN+1++931234511114:EN'

LIN+2++931234522223:EN'

It is required that the full number, including any significant leading zeros be represented for the item number.

LIN+3'

The example above is where a non-EAN number is used. This would trigger the use of the PIA segment for additional product Id.

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 count of the order lines.		
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 ordered.		
		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
		<i>EN</i>	<i>International Article Numbering Association (EAN)</i>	
		Use code EN, for any EAN/UCC number structure.		
	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: 0950
Group: SG25
Level: 2
Usage: Conditional (Optional)
Max Use: 25
Purpose: A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.

Notes: This segment is used to specify additional or substitutional item identification codes such as a buyers, or sellers item number.

THE APPLIE-COM RULE ASSUMES NO SUBSTITUTION IS ALLOWED UNLESS SPECIFIED BY THE CODE 2 IN DE4347

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, etc.

Code 2 - Identification for potential substitution - The given item number/s describe/s a substituting product if the original product is not available. I.e. the item specified in the PIA is a potential substitution to the item ordered and specified in the LIN

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>2</i>	<i>Identification for potential substitution</i>	
			Code 2 is used by the purchaser advising the seller of allowable item/s which could be substituted for the item/s specified in the LIN segment by the seller.	
		<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
		Eg. Model Number or Model Code		

	7143	Item number type, coded	C	an..3	R
		<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: **IMD** Item Description
Position: 0960
Group: SG25
Level: 2
Usage: Conditional (Optional)
Max Use: 99

Purpose: A segment for describing the product or service being ordered as well as product characteristic. This segment should be used for products or services that cannot be fully identified by a product code or article number.

Notes: This segment is used to describe the current line item.

THIS SEGMENT IS NOT A MANDATORY REQUIREMENT OF USE BY APPLIE-COM

It is recommended that this segment only be used for coded descriptions. Data element 7008 in clear text should only be used when no product code is available or when free-form descriptions are required by trading partners.

If both free-form and coded descriptions are required then the IMD segment must be repeated.

Example :

IMD+F++++:U BEAUTE REFRIGERATOR:TWO DOOR'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
7077		ITEM DESCRIPTION TYPE, CODED	C an..3	O
		<i>F Free-form</i>		
7081		ITEM CHARACTERISTIC, CODED	C an..3	X
C273		ITEM DESCRIPTION	C	R
	7009	Item description identification	C an..17	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	7008	Item description	C an..35	O
		Specify the description of the item.		
	7008	Item description	C an..35	O
		Use the second iteration of DE7008 if details cannot be specified in total in the first occurrence of DE7008.		
	3453	Language, coded	C an..3	X
7383		SURFACE/LAYER INDICATOR, CODED	C an..3	X

Segment: **QTY** Quantity
Position: 0980
Group: SG25
Level: 2
Usage: Conditional (Required)
Max Use: 10
Purpose: A segment identifying the product quantities e.g. ordered quantity.
Notes: This segment is used to specify the total quantity ordered for the current line identified in the LIN segment.

THE USE OF DE6411 IS DEPENDENT ON THE USE OF THE PIA SEGMENT WHEN A NON-EAN NUMBER IS USED. WHEN USING CODES FOR A UNIT OF MEASURE FROM TRADE DATA ELEMENTS DIRECTORY VOL. III, CODES FOR UNIT OF MEASURE USED FOR INTERNATIONAL TRADE, RECOMMENDATION 20, IT IS IMPLIED THAT THE PRODUCT CODE HAS BEEN SYNCHRONISED BETWEEN THE PARTIES. AND IT IMPLIED BY THE PRODUCT CODE WHAT THE UNIT OF MEASURE IS. THE ONLY CODE ALLOWED IN DE6411 IS EA=EACH

Example :

QTY+21:32'

The quantity of items, specified in the LIN segment, being ordered is 32.

QTY+21:40:EA'

The ordered quantity is 40 and the unit of measure, as referred to in the PIA segment is in eaches.

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		
		21 Ordered quantity		
	6060	Quantity	M n..15	M
		This is the quantity of the item specified in the LIN and/or PIA segment.		
	6411	Measure unit qualifier	C an..3	D
		DE 6411 will only be used when a non-EAN number is specified in the PIA segment. The use of DE6411 is not mandatory.		
		EA Each		
		Code EA is used to reference the unit of measure of the item number specified in the PIA segment in DE 7140.		

Segment: **FTX** Free Text
Position: 1080
Group: SG25
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

Notes: ***APPLIE-COM DOES NOT RECOMMEND THE USE OF THE FTX SEGMENT AS THIS DOES INHIBIT COMPUTER PROCESSING OF DATA. THE FTX SEGMENT IS ONLY TO BE USED FOR INSTRUCTIONS PERTAINING TO THE DELIVERY OF THE LINE ITEM E.G. "PLACE NEXT TO GAS METER IN BACKYARD"
 THE USE OF THE FTX SEGMENT FOR DELIVERY INSTRUCTIONS IS NOT APPROPRIATE FOR MULTIPLE LOCATIONS AND IS ONLY TO APPLY TO A ONE LOCATION RELATIONSHIP WITH THE LINE***

This segment is used to specify any special requirements for the current line item.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Order. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example :

FTX+DIN+1++PLACE NEXT TO GAS METER IN BACK YARD'

Dependency Notes :

DE C107: This composite is only used when trading partners have agreed to use mutually defined code values.

DE C108: This composite is only used if coded text cannot be used.

DE 3453: The language code is only used to indicate the free text language. It is only used if composite C108 is used.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4451		TEXT SUBJECT QUALIFIER	M an..3	M
		<i>DIN Delivery instructions</i>		
4453		TEXT FUNCTION, CODED	C an..3	O
		<i>1 Text for subsequent use</i>		
C107		TEXT REFERENCE	C	X
		References to standard text.		
	4441	Free text, coded	M an..3	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C108		TEXT LITERAL	C	D
	4440	Free text	M an..70	M
		ONLY ONE LINE OF 70 CHARACTERS IS ALLOWED FOR EACH FTX SEGMENT USED		
	4440	Free text	C an..70	X
	4440	Free text	C an..70	X
	4440	Free text	C an..70	X

	4440	Free text	C	an..70	X
3453		LANGUAGE, CODED	C	an..3	X
		ISO 639 two alpha code			

Group: **PRI** Segment Group 28: Price Details
Position: 1180
Group: Segment Group 25 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 25
Purpose: A group of segments identifying the relevant pricing information for the goods or services ordered.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1190	PRI	Price Details	M	1	

Segment: **PRI** Price Details
Position: 1190 (Trigger Segment)
Group: SG25-SG28
Level: 2
Usage: Mandatory
Max Use: 1

Purpose: A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'price'.

Notes: ***THE APPLIE-COM BUSINESS RULE IS THAT, WHERE DIFFERENT PRICES ARE IN THE ONE ORDER FOR THE SAME ITEM, FOR DIFFERENT DATES, THEY (PRICES) ARE TO BE SPECIFIED IN DIFFERENT LINS***

This segment is used to detail the price for the current product identified in the LIN segment.

Example :

PRI+AAA:1299.50:INV'

The example is where the price of the item being ordered is reported at \$1299.50. This segment will follow each LIN.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C509		PRICE INFORMATION	C	R
	5125	Price qualifier AAA	M an..3	M
		<i>Calculation net</i>		
		If Code AAA is used , then TAX segment is optional.		
		The price stated in the net price including allowances/charges and excluding taxes. This is the net invoice price for the item.		
		The price stated does not include Goods and Services Tax.		
		Applie-com recommends two decimal positions when stating the price, however it allows a maximum of four decimal positions or a minimum of zero decimal positions.		
		In the Australian Electrical Appliances Industry the standard for all reported invoice amounts is to be excluding of GST (Goods and Services Tax). Therefore the price is excluding of GST.		
		<i>Calculation net - including taxes (EAN Code)</i>		
		If Code NTP is used, then TAX segment is mandatory.		
		The price stated is the net price including allowances and charges, AND including taxes.		
		For the Australian Electrical Appliances Industry, Applie-com recommends to use Code AAA. The use of Code NTP is only specified here for migration purposes.		
	5118	Price	C n..15	R
	5375	Price type, coded	C an..3	X
	5387	Price type qualifier INV	C an..3	O
		<i>Invoice price</i>		
		Applie-com requires that code INV be specified to qualify the monetary value specified in DE5118.		
	5284	Unit price basis	C n..9	X
	6411	Measure unit qualifier	C an..3	X
5213		SUB-LINE PRICE CHANGE, CODED	C an..3	X

Group: **PAC** Segment Group 30: Package
Position: 1270
Group: Segment Group 25 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments identifying the packaging, physical dimensions, and marks and numbers for goods referenced in the line item.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	1280	PAC	Package	M	1	

Segment: **PAC** Package
Position: 1280 (Trigger Segment)
Group: SG25-SG30
Level: 2
Usage: Mandatory
Max Use: 1

Purpose: A segment specifying the number of packages and the physical type of packaging for the line item e.g. pallet type.

Notes: This segment is used in those cases where despatch unit coding has not yet been implemented, not allowing direct ordering in LIN, yet requirements exist to define the despatch unit to be delivered.

Example :

PAC+4+3'

There are 4 packages relating to the item ordered and the packages are considered outer packs.

Dependency Notes :

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

*** APPLIE-COM DOES NOT USE THE COMPOSITE C532***

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
C531		PACKAGING DETAILS	C	O
	7075	Packaging level, coded	C an..3	O
		<i>1</i> Inner		
		Use code 1 when there are inners and outers and where code 1 refers to the inner configuration.		
		<i>3</i> Outer		
		Use code 3 when there are inners and outers and code 3 refers to the outer configuration.		
		Also use code 3 when there is only one packaging level.		
	7233	Packaging related information, coded	C an..3	X
	7073	Packaging terms and conditions, coded	C an..3	X
C202		PACKAGE TYPE	C	X
	7065	Type of packages identification	C an..17	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	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

Group: **LOC** Segment Group 33: Place/Location Identification
Position: 1400
Group: Segment Group 25 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9999
Purpose: A group of segments specifying destination and quantity details for consignments involving multi-destination deliveries.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	1410	LOC	Place/Location Identification	M	1	
D	1420	QTY	Quantity	C	1	
O	1430	DTM	Date/Time/Period	C	5	

Segment: **LOC** Place/Location Identification
Position: 1410 (Trigger Segment)
Group: SG25-SG33
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment indicating the location to which part of the consignment is to be delivered.
Notes: *** THE APPLIE-COM BUSINESS RULE IS THAT FOR CROSS DOCKING PURPOSES, THE LOCATION IN THE LIN LOOP WILL BE USED***

This segment is used to identify the location of delivery for a split delivery order.

Example :

LOC+7+93123450000043::9'

LOC+7+3209::92'

Where the location identification is not an EAN Global Location 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.				
		<i>7 Place of delivery</i>		
C517		LOCATION IDENTIFICATION	C	R
	3225	Place/location identification	C an..25	R
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 ids (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
		<i>9 EAN (International Article Numbering association)</i>		
		<i>92 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
Specify ultimate delivery location, e.g. a specific point on a works site.				
	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
Used to further detail the delivery location.				
	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: 1420
Group: SG25-SG33
Level: 3
Usage: Conditional (Dependent)
Max Use: 1
Purpose: A segment specifying the quantity to be delivered to the identified location.
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 33 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 ordered 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		QUANTITY DETAILS	M	M
	6063	Quantity qualifier	M an..3	M
THIS HAS AN EANCOM RESTRICTED CODE LIST				
		<i>11</i> <i>Split quantity</i>		
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	O
DE 6411 will only be used when a non-EAN number is specified in the PIA segment. The use of DE6411 is not mandatory.				
		<i>EA</i> <i>Each</i>		
Code EA is used to reference the unit of measure of the item number specified in the PIA segment in DE 7140.				

Segment: **DTM** Date/Time/Period
Position: 1430
Group: SG25-SG33
Level: 3
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying the dates and/or times that the delivery should be made.

Notes: This DTM segment is used to indicate the date/time on which the split delivery will take place to the location identified in the LOC segment.

Example :

DTM+2:19930915:102'

This example requests delivery on the 15th of September 1993.

DTM+63:199309181730:203'

This example states that the latest delivery date is the 18th of September 1993 at 5:30pm.

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				
		2	<i>Delivery date/time, requested</i>	
		10	<i>Shipment date/time, requested</i>	
		61	<i>Cancel if not delivered by this date</i>	
			Code 61 allows a cancelled if not delivered option for backorders in addition to the normal delivery window.	
			Code 61 usage will be dependent on bilateral agreements.	
		63	<i>Delivery date/time, latest</i>	
		64	<i>Delivery date/time, earliest</i>	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102	CCYYMMDD	

Group: **TAX** Segment Group 34: Duty/Tax/Fee Details
Position: 1440
Group: Segment Group 25 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying tax related information, and when necessary, the location(s) to which that tax information relates.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1450	TAX	Duty/Tax/Fee Details	M	1	

Segment: **TAX** Duty/Tax/Fee Details
Position: 1450 (Trigger Segment)
Group: SG25-SG34
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment specifying a tax type, category and rate, or exemption, relating to the line item.

Notes: This segment is used to identify the type and rate of tax that is applicable for the current line item. This segment is only used if the tax rate at line level differs from the rate specified in the header section.

Example :

TAX+7+GST+++:::10'

The tax for the current line item is 10%.

Dependency Notes:

DE C241 and 5305: Tax types and categories will differ from country to country. They are to be defined by national guidelines.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
5283		DUTY/TAX/FEE FUNCTION QUALIFIER	M an..3	M
		7 Tax		
C241		DUTY/TAX/FEE TYPE	C	O
	5153	Duty/tax/fee type, coded	C an..3	O
		GST Goods and services tax		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	5152	Duty/tax/fee type	C an..35	X
C533		DUTY/TAX/FEE ACCOUNT DETAIL	C	X
	5289	Duty/tax/fee account identification	M an..6	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
5286		DUTY/TAX/FEE ASSESSMENT BASIS	C an..15	X
C243		DUTY/TAX/FEE DETAIL	C	O
	5279	Duty/tax/fee rate identification	C an..7	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	5278	Duty/tax/fee rate	C an..17	R
		This is the Goods and Services Tax (GST) rate of the item, specified as a percentage e.g 10 = 10%.		
	5273	Duty/tax/fee rate basis identification	C an..12	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
5305		DUTY/TAX/FEE CATEGORY, CODED	C an..3	X
3446		PARTY TAX IDENTIFICATION NUMBER	C an..20	X

Group: **NAD** Segment Group 35: Name and Address
Position: 1480
Group: Segment Group 25 (Line Item) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments identifying the parties with associated information, relevant to the line item only.

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	1490	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 1490 (Trigger Segment)
Group: SG25-SG35
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the line item . 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, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

Notes: This segment is used to specify the ultimate (end) customer for the current line item, ie. the party sending the order will in turn sell the goods to the party on whose behalf the buyer is acting as an agent.

Example :

NAD+UD+JOHNCITIZEN+65:ANYROAD:ANYSUBURB+ANYCITY++3809'

The delivery is to John Citizen at address 65 Anyroad, Anysuburb, Anycity, with Postcode 3809.

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>UD Ultimate customer</i>		
C082		PARTY IDENTIFICATION DETAILS	C	X
	3039	Party id. identification	M an..35	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
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
For direct to customer deliveries, and if no EAN Global Location Numbers are used.				
	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		D
	3042	Street and number/p.o. box	M	an..35	M
		Building Name/Number and Street E. CITY TOWERS			
	3042	Street and number/p.o. box	C	an..35	O
		Name and/or P.O. Box. Eg. 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. Eg. 123 WEST TERRACE			
	3042	Street and number/p.o. box	C	an..35	X
3164		CITY NAME	C	an..35	D
		City/Town name, clear text Eg. ADELAIDE			
3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	O
		County/State, clear text Eg. SA			
3251		POSTCODE IDENTIFICATION	C	an..9	D
		Postal Code Eg. 5001			
3207		COUNTRY, CODED	C	an..3	X

Segment: **UNS** Section Control
Position: 2090
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment placed at the start of the summary section to avoid segment collision.
Notes: This segment is used to separate the detail and summary sections of the ORDERS message.

 Example :

 UNS+S'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0081		SECTION IDENTIFIER	M a1	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		S		
				<i>Detail/summary section separation</i>

Segment: **MOA** Monetary Amount
Position: 2100
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 12
Purpose: A segment giving the total amounts for the whole order message.
Notes: This segment is used to indicate total amounts for the order.

Example :

MOA+86:41584'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C516		MONETARY AMOUNT	M	M
	5025	Monetary amount type qualifier	M an..3	M
		<i>86 Message total monetary amount</i>		
	5004	Monetary amount	C n..18	R
		This is the total amount for the order. The order will be rejected if the extended totals of all lines do not add up to the value stated.		
		Applie-com recommends two decimal positions when stating the price, however it allows a maximum of four decimal positions or a minimum of zero decimal positions.		
	6345	Currency, coded	C an..3	O
		For overseas use only		
	6343	Currency qualifier	C an..3	X
	4405	Status, coded	C an..3	X

Segment: **CNT** Control Total
Position: 2110
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 10
Purpose: A segment by which control totals may be provided by the sender for checking by the receiver.

Notes: This segment is used to provide message control totals.

DE 6069: When using '1', the value expressed in data element 6066 will be the addition of all the values of data element 6060 at LIN level.

Example :
 CNT+2:4'
 There are four LIN segments in the current message.

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>	
			While Code 1 is allowed in this MIG to be in alignment with the Australian Retail Industry MIG, Code 2 is the preferred option for Applie-com	
		2	<i>Number of line items in message</i>	
			Code 2 is the preferred qualifier for Applie-com	
	6066	Control value	M n..18	M
	6411	Measure unit qualifier	C an..3	X

Segment: **UNT** Message Trailer
Position: 2160
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+48+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 message reference number detailed here should equal the one specified in the UNH segment.		

14.0 Sample Applic-com ORDER Message

UN/EDIFACT DATA LAYOUT

UNH+12345+ORDERS:D:96A:UN:EAN008'
 BGM+220+ABCDE1234567890+9'
 DTM+137:200106301359:203'
 DTM+2:20010731:102'
 RFF+PD:ABC123'
 NAD+BS+1234567890128::9'
 LOC+7'
 RFF+API:DOCK NUMBER 14'
 NAD+SU+2234567890127::9'
 LIN+1++9312345111114:EN'
 PIA+1+RA141S-R:IN'
 IMD+F+++::U BEAUTE MINI FAN:DUAL CONTROL'
 QTY+21:10'
 PRI+AAA:25.50::INV'
 PAC+10+3'
 TAX+7+GST++++::10'
 LIN+2++9312345222223:EN'
 PIA+1+BOWL-RAS:IN'
 IMD+F+++::SHORT WAVE RADIO:HIS MASTERS VOICE'
 QTY+21:6'
 PRI+AAA:102.70::INV'
 PAC+3+1'
 TAX+7+GST++++::10'
 LIN+3++9312345678907:EN'
 PIA+1+WWXYZ:IN'
 IMD+F+++::U BEAUTE DISH WASHER:WITH MOD CONS'
 QTY+21:1'
 PRI+AAA:250::INV'
 PAC+1+3'
 TAX+7+GST++++::10'
 NAD+UD+++MARY CARR:C/O KATHY SMITH+CITY TOWERS:18TH FLOOR:123 WEST TERRACE+ADELAIDE+SA+5001'
 UNS+S'
 MOA+1121.20'
 CNT+2:3'
 UNT+35+12345'

DESCRIPTION

SYSTEM GENERATE SEQUENCE NUMBER FOR MESSAGE
 ORDER NUMBER IS ABCDE1234567890 AND IS AN ORIGINAL
 ORDER MESSAGE DATE/TIME 30TH JUNE 2001, 1:59PM
 DELIVERY DATE REQUESTED 31ST JULY 2001
 PROMOTIONAL DEAL NUMBER ABC123
 BILL AND SHIP TO 1234567890128
 DELIVERY TO
 DOCK NUMBER 14
 SUPPLIER IS 2234567890127
 1ST LINE ORDERED 9312345111114
 BUYER'S REFERENCE NUMBER RA141S-R
 DESCRIPTION IS U BEAUTE MINI FAN, DUAL CONTROL.
 10 REQUIRED
 INVOICE PRICE OF THE ITEM, EXCLUSIVE OF GST IS \$25.50
 10 PACKAGES
 GST TAX IS 10%
 2ND LINE ORDERED 9312345222223
 BUYER'S REFERENCE NUMBER IS BOWL-RAS
 DESCRIPTION IS SHORT WAVE RADIO, HIS MASTERS VOICE
 6 REQUIRED
 INVOICE PRICE OF THE ITEM, EXCLUSIVE OF GST IS \$102.70
 3 PACKAGES (I.E. IMPLIED 2 PER PACK)
 GST TAX IS 10%
 3RD LINE ORDERED 9312345678907
 BUYER'S REFERENCE NUMBER WWWXYZ
 DESCRIPTION IS U BEAUTE DISH WASKER. WITH MOD CONS
 1 REQUIRED
 INVOICE PRICE OF ITEM, EXCLUSIVE OF GST IS \$250
 1 PACKAGE
 GST TAX IS 10%
 STREET ADDRESS OF ULTIMATE CUSTOMER OF DISHWASHER
 SUMMARY OF EDI MESSAGE
 MONETARY AMOUNT OF ITEMS ORDERED \$1,121.20
 NUMBER OF LINE ITEMS 3
 NUMBER OF SEGMENTS IN MESSAGE 35