



APPLIE-com

Purchase Order Response

(ORDRSP) Version 3 Release

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

<http://www.applie-com.com.au>

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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	Principles	Clarify use of purchase order response message within Applie-com i.e. While the UN/EDIFACT purpose of the Purchase Order Response message may also be proposal of amendment to the Purchase Order, this is NOT the recommended use by Applie-com.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	BGM segment	Add comment against code 4 in DE1225, i.e. Code 4 is not recommended for use by Applie-	Change request agreed at MIG Work Group meeting 1-3 May 2002,

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		com. However it may be used bilaterally.	following industry feedback.
	PAT-DTM segments (SG8)	Open PAT-DTM segments. 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.
	DTM segment	Add comments in segment notes that there is no need to send back delivery dates as these are determined in the order message by the buyer.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	LIN segment (SG26)	Add comments against code 5 in DE1229 that Appie-com does not recommend the use of code 5.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	PRI segment (SG26)	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 (SG26)	Add comment, in effect, Appie-com business rule, price should always be Tax Exclusive.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
	MOA segment	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 indus. f/back.
	NAD segment (SG2)	Added code IV=Invoicee to list of party qualifiers.	Agreed at MIG working group meeting 17-19 July 2002.
Version 3	Section 5.0 of document	Removed QVR example in table showing minimum requirement for order response message.	QVR will not be required if order will be fulfilled in full. CR 04007 approved by MIGs working group 18 May 04
	RFF segment (SG1)	Added code PP in DE1153	CR04008 approved by MIGs working group 18 May 2004. Applicable to CR4013.
	DTM segment (SG26)	Open DTM segment under QTY. Added code 58E in DE2005	CR04009 approved by MIGs working group 18 May 2004. Applicable to CR4012.
	PIA segment (SG26)	Added code 2 and 4 in DE4347	CR04011 approved by MIGs working group 18 May 2004
	QTY segment (SG26)	Open QTY segment in LIN loop. Added codes 113 and 83 in DE6063	CR04015 approved by MIGs working group 18 May 2004. Included code 83 in the CR
	QVR segment (SG26)	Added code AR in DE4295	Approved by MIGs working group 18 May 2004.
	Segment notes in LIN	Added to existing notation.	Approved by MIGs working group 18 May 2004
	RFF segment	RFF segment in header changed from	Email advice 28 May 04

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		Conditional to Mandatory to reflect mandatory requirement to specify the preceding order message as reference	from P.Hunt following draft 3 version release to MIGs wrk group.
	BGM segment notation	Remove "Code 4 is not recommended by Applie-com" in notation, including at DE level.	Email advice 28 May 04 from P.Hunt following draft 3 version release to MIGs wrk group.
	Section 5.0 of Message Implementation Guidelines	Remove PRI from minimum requirement table.	Email advice 28 May 04 from P.Hunt following draft 3 version release to MIGs wrk group.

4.0 Purchase Order Response Data Mapping Table

Purchase Order Response (ORDRSP) data mapping table – Applie-com

Data Type	Business Description	Business Requirement Mandatory Conditional Optional	Where found in EANCOM ORDERS/ EDIFACT Position number	Data Element	Code Value	Business Data Format in UN/EDIFACT A=Alpha N=Numeric ..=variable length	Comments and Examples
Header Information							
	Type of Message	Mandatory	BGM / 0020	C002 DE1001	231 = Purchase order response		
	Order Response Number	Mandatory	BGM / 0020	DE1004		AN..35	Order number assigned by document sender
	Message function	Mandatory	BGM / 0020	DE1225	4=Change 27=Not accepted 29=Accepted without amendment.		
	Date/time of Message	Mandatory	DTM/0030	C507 DE2005	137=Document/message date/time		This is the date/time stamp of the message
	Date/time period	Mandatory	DTM/0030	C507 DE2380		AN..35	
	Time qualifier	Mandatory	DTM /0030	C507 DE2379	203=CCYYMMDDHHMM		Only qualifier 203 is allowed. Therefore the sender must send the hours and minutes.
	Free text	Optional	FTX/0070	DE4451	DEL=Delivery information		
	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
	Ref Number	Mandatory	RFF / 0090	C506 DE1153	ON=Order Number (purchase) VN=Order number (supplier) PP=Purchase order change		The ON must be sent as the Order Response message is referencing a previously sent Order.

					number		
	Reference number	Mandatory	RFF/090	C506 DE1154		AN..35	
	Buying Party	Mandatory	NAD / 0150	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/ 0150	C082 DE3039	SU=Supplier		
	Ship To Party	Conditional	NAD / 0150	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/0150	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 / 0150	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/0150	C080 DE3036		2 x AN..35	For direct to customer deliveries. Second iteration is for "care off" situations.
	Street name	Conditional	NAD/0150	C059 DE3042		3 x AN..35	
	City name	Conditional	NAD/0150	DE3164		AN..35	
	State	Conditional	NAD/0150	DE3229		AN.9	
	Postcode	Conditional	NAD/0150	DE3251		AN..9	
	Country, coded	Conditional	NAD/0150	DE3207		AN..3	
	Currency details qualifier	Conditional	CUX/0320	C504 DE6347	2=Reference currency		For overseas trading only. Not recommended for domestic trade.
	Currency coded	Conditional	CUX/0320	C504 DE6364		AN..3	ISO 4217 three alpha
	Currency qualifier	Conditional	CUX/0320	C504 DE6343	9=Order currency		
	Payment terms type qualifier	Conditional	PAT/0320	DE4279	7=Extended		If payment terms are beyond normal trading terms

	Payment time reference, coded	Conditional	PAT/0320	C112 DE2475	66=Specified date		
	Date/time/period qualifier	Conditional	DTM/0320	C507 DE2005	13=Terms net due date		
	Date/time/period	Conditional	DTM/0320	C507 DE2380		AN..35	Specify the date
	Date/time/period format	Conditional	DTM/0320	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 / 0970	DE1082		N..6	Application generated number of the count of the order lines.
	Action Request	Mandatory	LIN / 0970	DE1229	3=Changed 5=Accepted without amendment 7 = Not accepted		Code to inform the buyer that there is a discrepancy with a particular field of the line identified. Only the field with the variant is specified.
	GTIN number	Mandatory	LIN / 0970	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 / 0970	C212 DE7143	EN=International Article Numbering association		Use PIA segment if the item number is a non-EAN number
	Additional product id	Conditional	PIA / 0980	DE4347	1=Additional identification 2=Identification for potential substitution		Code 1 is to assist in trouble shooting e.g. buyer's key code number Code 2 is not in the EANCOM restrictive code list. An

					4=Substitute for 5=Product identification		EANCOM CR will be raised. Code 5 is used where a non-EAN number is to be referenced.
	Item number	Conditional	PIA/0980	C212 DE7140		AN..35	
	Item number type code	Conditional	PIA / 0980	DE7143	IN=Buyer's item number SA=Supplier's article number		
	Order Quantity	Mandatory	QTY / 1010	C186 DE6063	21=Ordered quantity 83=Backorder quantity 113=Quantity to be delivered		
	Quantity	Mandatory	QTY/1010	C186 DE6060		N15	Specify quantity
	Measure unit qualifier	Conditional	QTY/0101	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 qualifier	Conditional	DTM/1040	C507 DE2005	58E=Back order delivery date/time (EAN code)		
	Date/time	Conditional	DTM/1040	DE2380		AN..35	
	Date/time format	Conditional	DTM/1040	DE2379	102=CCYYMMDD		
	Quantity Variances	Conditional	QVR / 1080	C279 DE6064		N..15	Specify the actual variant amount
	Quantity Variances qualifier	Conditional	QVR / 1080	C279 DE6063	21 =Ordered quantity		The variant quantity relates to the ordered quantity.
	Discrepancy coded	Conditional	QVR / 1080	DE4221	BP=Shipment partial – back order to follow CP=Shipment partial – considered complete, no backorder		
	Change Reason	Conditional	QVR / 1080	C960 DE4295	AR=Article out of assortment for a particular company AU=No delivery due to outstanding payments AUE=Article code unknown (EAN Code)		Specify the actual variant amount

					AV=Out of inventory AW=Article withdrawn (EAN code) PC=Pack difference QT=Quantity price break SL=Sale location different		
	Unit price	Mandatory	PRI / 1250	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/1250	C509 DE5118		N..15	
	Price type qualifier	Mandatory	PRI / 1250	C509 DE5387	INV=Invoice price AP=Advice Price		Applie-com requires that code INV be specified to qualify the monetary value specified in DE5118. Sent by the supplier for information only.
	Number of packages	Conditional	PAC/1340	DE7224		N..8	
	Package information	Conditional	PAC / 1340	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 / 1470	DE3227	7=Place of delivery		
	Location id	Conditional	LOC / 1470	C517 DE3225		AN..25	Applie-com recommends the use the EAN Global Location Number for place/location identification. However if no EAN GLN is available or for migration purposes an internal location number is acceptable.
	Responsible agency after specifying party id.	Conditional	LOC / 1470	C517 DE3055	9=EAN 91=Assigned by seller or seller's agent 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.
	Tax qualifier	Mandatory	TAX/1510	DE5283	7=Tax		
	Tax type	Mandatory	TAX /	C241	GST=Goods and Services tax		

	code		1510	DE5153			
	Tax rate	Mandatory	TAX / 1510	C243 DE5278		AN..17	Tax rate
	Ultimate Destination	Conditional	NAD / 1550	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 / 1550	C080 DE3036		2 x AN..35	
	Street and number	Conditional	NAD / 1550	C059 DE3042		3 x AN.35	
	Suburb name	Conditional	NAD / 1550	DE3164		AN..35	
	State	Conditional	NAD / 1550	DE3229		AN..9	
	Post Code	Conditional	NAD / 1550	DE3251		AN..9	

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/2150	DE0081	S=Detail/summary section separation		
	Monetary type qualifier	Mandatory	MOA / 2160	C516 DE5025	86=Message total monetary amount		
	Monetary amount	Mandatory	MOA / 2160	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 / 2170	C270 DE6069	1= Algebraic total of quantity values in line items in a message		Code 1 is allowed for alignment reasons with the Aust.Retail Industry. Code 2 is preferred by Applie-com.

					2=Number of line items in message		
	Control value	mandatory	CNT/2170	C270 DE6066		N..18	

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

5.0 Minimum (Mandatory) Data Requirement

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

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

Business descriptor name	Segment	Format in UN/EDIFACT A=Alpha, N=Numeric ..=Variable Length
Header		
Message name - Purchase order response	BGM	AN..3
Purchase order response number	BGM	AN..35
Message function (e.g. not accepted, without amendment, etc)	BGM	AN..3
Purchase order response message 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

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 interchange 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:

	UNA		
┌───┐	UNB	Interchange Header	Mandatory
├───┤	UNG	Functional Group Header	Conditional
└───┘	UNH	Message Header	Mandatory
		USER DATA SEGMENTS	
┌───┐	UNT	Message Trailer	Mandatory
├───┤	UNE	Functional Group Trailer	Conditional
└───┘	UNZ	Interchange trailer	Mandatory

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

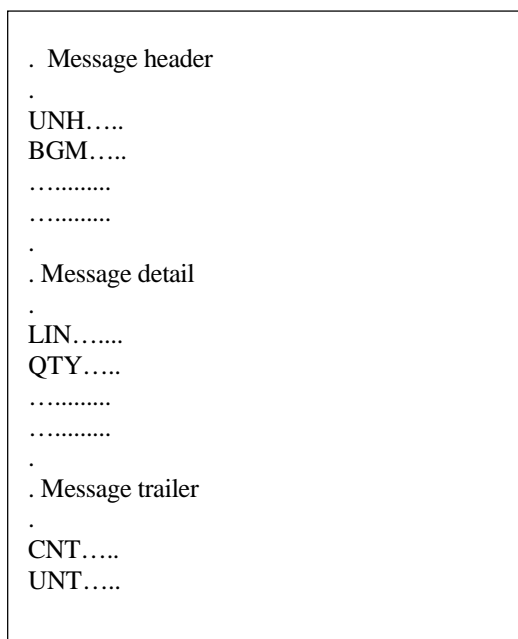
User data segments contain the information itself, in a format specific to each message type.

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:

- Heading section** – A segment occurring in this section relates to the entire message.
- Detail section** – A segment occurring in this section relates to the detail information only.
- 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.

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.

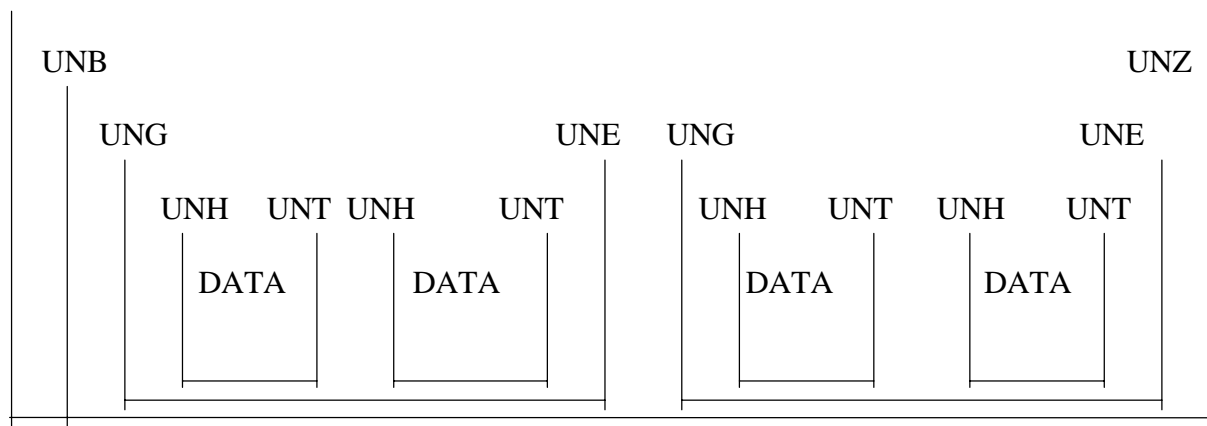
The last service segment, 'UNH', indicates the beginning of a given message.

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

Segment Notes.

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

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

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

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

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

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

11.0 Segment Layout - UNG segment.

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

As a business rule, 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 ORDRSP Purchase Order Response Message

13.1 Definition

A message from a supplier to a buyer, responding to a Purchase Order message or a Purchase Order Change Request message.

13.2 Principles

A supplier may respond for one or more goods items or services.

The response may be:

- an acknowledgement of receipt and understanding of data content of the Purchase Order,
- a confirmation of acceptance of the Purchase Order,
- a notification of non-acceptance for all or part of the Purchase Order.

While the UN/EDIFACT purpose of the Purchase Order Response message may also be proposal of amendment to the Purchase Order, this is NOT the recommended use by Applie-com.

A Purchase Order Response may refer to goods items or services related to one or more delivery schedules, call-offs, etc.

13.3 Order Response message

Notes:

1st draft of the Electrical Appliances Industry (Applie-com) Message Implementation Guidelines.
 2nd draft of Applie-com Order Response 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. CRs approved in meeting 18 May 2004 of MIGs working group. Modifications in notation of LIN segment, PIA, with inclusion of new codes, QTY, DTM and QVR segments. RFF in SG1 Required.

Heading Section:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
27	0010	UNH	Message Header	M	M	1		
28	0020	BGM	Beginning of Message	M	M	1		
30	0030	DTM	Date/Time/Period	M	M	35		
31	0070	FTX	Free Text	C	O	99		
	0080		Segment Group 1	C	R		10	
33	0090	RFF	Reference	M	M	1		
	0140		Segment Group 3	C	O		99	
35	0150	NAD	Name and Address	M	M	1		
	0310		Segment Group 8	C	O		5	
39	0320	CUX	Currencies	M	M	1		
	0350		Segment Group 9	C	O		10	
42	0360	PAT	Payment Terms Basis	M	M	1		
43	0370	DTM	Date/Time/Period	C	O	5		

Detail Section:

Applie-com Message Implementation Guidelines

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
	0960		Segment Group 26	C	O		200000	
45	0970	LIN	Line Item	M	M	1		
47	0980	PIA	Additional Product Id	C	O	25		
49	1010	QTY	Quantity	C	O	10		
50	1040	DTM	Date/Time/Period	C	O	35		
51	1080	QVR	Quantity Variances	C	O	1		
	1240		Segment Group 30	C	O		25	
53	1250	PRI	Price Details	M	M	1		
	1330		Segment Group 32	C	O		10	
56	1340	PAC	Package	M	M	1		
	1460		Segment Group 35	C	O		9999	
58	1470	LOC	Place/Location Identification	M	M	1		
	1500		Segment Group 36	C	O		10	
60	1510	TAX	Duty/Tax/Fee Details	M	M	1		
	1540		Segment Group 37	C	O		99	
62	1550	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>
64	2150	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>
65	2160	MOA	Monetary Amount	C	O	12		
66	2170	CNT	Control Total	C	O	10		
67	2220	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 response message is **ORDRSP**.
 Note: Purchase order response messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 ORDRSP 0052 D 0054 96A 0051 UN

Notes: Segment Notes.

This segment is used to head, identify and specify a message.

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

DE 0057: Indicates that the message is the EANCOM version 005 of the UNSM Purchase Order Response.

Example :

UNH+MHDR0000000255+ORDRSP:D:96A:UN:EAN005'

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>ORDRSP</i> Purchase order response message		
	0052	Message type version number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>D</i> Draft directory		
	0054	Message type release number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>96A</i> Version 96A		
	0051	Controlling agency	M an..2	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>UN</i> UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)		
	0057	Association assigned code	C an..6	O
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>EAN005</i> EAN Version control number.		
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 response by means of its number and when necessary its function.
Notes: Segment Notes.

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

DE 1001: The Purchase Order Response is transmitted by the supplier in response to a previous Purchase Order or Purchase Order Change Request.

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

DE 1225: The message function, coded is a critical element in this segment. The restricted codes detailed in DE1225 have the following definitions:

4=Change - The supplier accepts to supply the goods or services requested in the Purchase Order or Purchase Order Change Request, but requires changes to one or more of the items. *** CODE 4 MAY BE USED BILATERALLY. HOWEVER THE RECOMMENDATION BY APPLIE-COM, IF CODE 4 IS USED, IS THAT A CANCELLATION MEANS A NEW ORDER WILL BE GENERATED***

27 = Not accepted - The supplier declines to supply the goods detailed in a Purchase Order or Purchase Order Change Request.

29 = Accepted without amendment - The supplier accepts to supply the goods or services requested according to the terms set out in the Purchase Order or Purchase Order Change Request.

Example :

BGM+231+ELX19+29'

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			
		231 Purchase order response		
1004	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	1000	Document/message name	C an..35	X
1225		DOCUMENT/MESSAGE NUMBER	C an..35	R
Order Response Number assigned by document sender.				
		MESSAGE FUNCTION, CODED	C an..3	R
THIS HAS AN EANCOM RESTRICTED CODE LIST				
		4 Change		
		Code 4 may be used bilaterally. The recommendation by Applie-com is that a cancellation means a new order should generated.		
		27 Not accepted		
		If Code 27 is used, then the supplier is advising the buyer that the whole order will not be processed. A new order will need to be sent, without the "offending item".		
		29 Accepted without amendment		

4343

RESPONSE TYPE, CODED

C an..3

X

This DE is used if the seller wishes to explicitly indicate whether an acknowledgement is required or not.

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 response date.

Examples of the use of this DTM segment are: Lead times that apply to the whole of the Order response and, if no schedule is to be specified, the delivery date.

The Date/time/period segment within other Segment groups should be used whenever the date/time/period needs to be logically related to another specified data item. e.g. Payment due date is specified within the PAT Segment group.

Notes: Segment Notes.

*** APPLIE-COM RECOMMENDS THAT THERE IS NO NEED TO SEND BACK DELIVERY DATES AS THESE ARE DETERMINED IN THE ORDER MESSAGE BY THE BUYER***

This segment is used to specify dates/times relating to the Purchase Order Response, or if required, dates relating to the delivery or collection of the goods.

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

Example :

DTM+137:200110251428:203'

This example dates and timestamps the message as 25th October 2001, 2:28PM.

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				
		137 Document/message date/time		
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		203 CCYYMMDDHHMM		
Applie-com recommends the use of code 203 only, for the purpose of capturing the date/time stamp.				

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: Segment Notes.

This segment is used to provide any free text information related to the complete purchase order response message.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Order Response. 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+++NAME OF DRIVER IS ROCCO'

Dependency Notes:

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

DE 3453: This data element is only used when non coded free text has been provided in data element C108.

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 Delivery information</i>		
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 (Required)
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 licence number, reservation number.
Notes: This segment group is made mandatory because it is a requirement to specify the preceding message e.g. the order message

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	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: Segment Notes.

This segment is used to confirm the original Purchase Order number received. Some supplier's can use this message to send it's own assigned number to the original Puchase Order received.

Example :

RFF+ON:ABCDE1234567890'
RFF+VN:12345678'

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>ON</i>	<i>Order number (purchase)</i>	
		<i>PP</i>	<i>Purchase order change number</i>	
USE CODE PP WHERE THE ORDER RESPONSE RELATES TO A PURCHASE ORDER CHANGE MESSAGE.				
		<i>VN</i>	<i>Order number (vendor)</i>	
Used when the supplier has assigned it's own order reference number.				
	1154	Reference number	C an..35	R
	1156	Line number	C an..6	X
	4000	Reference version number	C an..35	X

Group: **NAD** Segment Group 3: Name and Address
Position: 0140
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 99
Purpose: A group of segments identifying the parties with associated information.

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	0150	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0150 (Trigger Segment)
Group: SG3
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 response. Identification of the seller and buyer parties is mandatory for the order response 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: Segment Notes.

This segment is used to identify the trading partners involved in the Purchase Order Response. For EANCOM compliance, identification of the buyer and supplier of goods and services is mandatory using DE's 3035 and C082. Additional parties can be identified as a clarification or correction to a previously sent Purchase Order or Purchase Order Change Request.

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.

The Applie-com business rules requires 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 each have a 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:

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3035		PARTY QUALIFIER	M an..3	M
THIS HAS AN EANCOM RESTRICTED CODE LIST				
		<i>BS</i>	<i>Bill and ship to</i>	
		<i>BY</i>	<i>Buyer</i>	
		<i>IV</i>	<i>Invoicee</i>	
			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	O
			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 is a restricted code list.	
		9	EAN (International Article Numbering association)	
			Use Code 9 when an EAN Global Location Number is used as the party identification.	
		91	Assigned by seller or seller's agent	
			Code 91 is not recommended by Applie-com, however it is only valid for use when the party, already doing data exchange, is using a non-EAN number. Code 91 has been allowed for migration purposes only.	
		92	Assigned by buyer or buyer's agent	
			Code 92 is not recommended by Applie-com, however it is only valid for use when the party, already doing data exchange, is using a non-EAN number. Code 92 has been allowed for migration purposes only.	
C058		NAME AND ADDRESS	C	X

	3124	Name and address line	M	an..35	X
	3124	Name and address line	C	an..35	X
	3124	Name and address line	C	an..35	X
	3124	Name and address line	C	an..35	X
	3124	Name and address line	C	an..35	X
C080		PARTY NAME	C		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 E.g. 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 E.g. ADELAIDE			
3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	D
		County/State in clear text. E.g. SA			
3251		POSTCODE IDENTIFICATION	C	an..9	D
		Postal Code E.g. 5001			
3207		COUNTRY, CODED	C	an..3	D
		For overseas use only.			

Group: **CUX** Segment Group 8: Currencies
Position: 0310
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 response. Currency data maybe omitted in national applications but will be required for international transactions.

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	0320	CUX	Currencies	M	1	

Segment: **CUX** Currencies
Position: 0320 (Trigger Segment)
Group: SG8
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the currencies in the order response, e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.
Notes: Segment 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 purchase order response.

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

This segment is not usually sent in the Purchase Order Response unless it provides a corrections or clarification to the currency information provided in a previous Purchase Order or Purchase Order Change Request.

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.

Example :

CUX+2:GBP:9'

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

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				
C504	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	
		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 9: Payment Terms Basis
Position: 0350
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments specifying the terms of payment applicable for the whole order response.

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	0360	PAT	Payment Terms Basis	M	1	
O	0370	DTM	Date/Time/Period	C	5	

Segment: **PAT** Payment Terms Basis
Position: 0360 (Trigger Segment)
Group: SG9
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the payment terms and date/time basis.
Notes: Segment 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 response to indicate terms of payment which are particular to the currently referenced 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: 0370
Group: SG9
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment giving the specific date/time/period, if needed, of any payments, discounts, instalments etc.
Notes: Segment Notes.

This segment is used to specify any dates associated with the payment terms.

Example :

DTM+13:19970331:102'

Net due date for payment is the 31st of March 1997.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE 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 26: Line Item
Position: 0960
Group:
Level: 1
Usage: Conditional (Optional)
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.
Notes: Segment Group 26 would only be mandatory if details of items are to be specified in the ORDER RESPONSE message

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0970	LIN	Line Item	M	1	
O	0980	PIA	Additional Product Id	C	25	
O	1010	QTY	Quantity	C	10	
O	1040	DTM	Date/Time/Period	C	35	
O	1080	QVR	Quantity Variances	C	1	
	1240		Segment Group 30: Price Details	C		25
	1330		Segment Group 32: Package	C		10
	1460		Segment Group 35: Place/Location Identification	C		9999
	1500		Segment Group 36: Duty/Tax/Fee Details	C		10
	1540		Segment Group 37: Name and Address	C		99

Segment: **LIN** Line Item
Position: 0970 (Trigger Segment)
Group: SG26
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: Segment Notes.

This segment is used to identify the product being responded to by means of an EAN article number. The detail section of the Purchase Order Response is formed by a repeating group of segments, always starting with the LIN segment.

DE 1229: Action Request, coded, is the critical DE in this segment. The following code value definitions apply:

***APPLIE-COM RECOMMENDS THAT SUCCESSFUL LINE ORDERS WILL NOT BE RETURNED IN THE ORDER RESPONSE MESSAGE. ONLY LINE ORDERS THAT ARE NOT ACCEPTED OR CHANGED WILL BE RETURNED

THE LIN IN THE ORDER RESPONSE IS ALWAYS THE ITEM THAT IS GOING TO BE DELIVERED.

IF THE LIN IN THE ORDER RESPONSE IS DIFFERENT TO THE ORDER MESSAGE, THEN CODE 4 WILL BE USED IN THE PIA TO IDENTIFY THE ITEM WHICH WAS ORIGINALLY ORDERED***

APPLIE-COM ONLY ACCEPTS THE FOLLOWING CODES:

7 = Not Accepted. The supplier declines the line item in a purchase order or purchase order change request.

3=Change: the supplier accepts to supply the line item in a purchase order or purchase order change request, but requires one or more changes to the terms set out in the referenced message, as indicated by the data in, and following the LIN segment. The buyer must acknowledge these requirements by sending a new purchase order or purchase order change request.

While 5 is not recommended for Applie-com, there are include for alignment with the Aust.Retail industry.

5=Accepted without amendment APPLIE-COM DOES NOT RECOMMEND THE USE OF THIS CODE, DUE TO THE BUSINESS REASONS SPECIFIED.

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 response lines.		
1229		ACTION REQUEST/NOTIFICATION, CODED	C an..3	R
	3	<i>Changed</i>		
	5	<i>Accepted without amendment</i>		
		This code is included to align with the Aust. Retail industry. Applie-com does not recommend the use of this code.		
	7	<i>Not accepted</i>		
		This code is used to inform the buyer that there is a discrepancy with a particular field of the line identified. Only the field with a variant is specified.		

C212	ITEM NUMBER IDENTIFICATION	C	D	
7140	Item number 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.	C	an..35	R
7143	Item number type, coded <i>EN</i> <i>International Article Numbering Association (EAN)</i> Use code EN, for any EAN/UCC number structure.	C	an..3	R
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: 0980
Group: SG26
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: Segment Notes.

This segment is used to specify additional or substitutional item identification codes such as a buyers, or sellers item number. DE 4347: Product Id function coded has the following restricted coded functions:

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

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

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

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

Example:

PIA+1+ABC1234:IN'

In this example the PIA segment is used to provide an additional identification to the article number provided in the LIN segment. The EAN article number 541234511115 provided in the LIN segment refers to the internal buyer's item number ABC1234.

PIA+5+4000862141411:EN'

This example details the EAN article number 4000862141411 which is of equal importance or significance to the EAN article number 541234511115 specified in the LIN segment.

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				
		1 Additional identification		
		2 Identification for potential substitution		
		4 Substituted for		
		5 Product identification		
C212		ITEM NUMBER IDENTIFICATION	M	M

	7140	Item number	C	an..35	R
	7143	Item number type, coded	C	an..3	R
	THIS HAS AN EANCOM RESTRICTED CODE LIST				
		<i>IN</i>		<i>Buyer's item number</i>	
		<i>SA</i>		<i>Supplier's article number</i>	
				Used when the supplier's model number is used as the item number.	
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	X
C212		ITEM NUMBER IDENTIFICATION	C		X
	7140	Item number	C	an..35	X
	7143	Item number type, coded	C	an..3	X
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	X
C212		ITEM NUMBER IDENTIFICATION	C		X
	7140	Item number	C	an..35	X
	7143	Item number type, coded	C	an..3	X
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	X
C212		ITEM NUMBER IDENTIFICATION	C		X
	7140	Item number	C	an..35	X
	7143	Item number type, coded	C	an..3	X
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	X
C212		ITEM NUMBER IDENTIFICATION	C		X
	7140	Item number	C	an..35	X
	7143	Item number type, coded	C	an..3	X
	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	X

Segment: **QTY** Quantity
Position: 1010
Group: SG26
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment identifying the product quantities e.g. ordered quantity.
Notes: Segment Notes.

This segment is used to specify quantity information related to the current line item.

If split deliveries are being used, the quantities for the split delivery are specified in segment group 35. The totals for all quantities expressed in the QTY's at segment group level must equal the value in this QTY segment.

Example :

QTY+21:48'

The order quantity in the purchase order message for the line item was 48.

Dependency Notes :

DE 6411: This DE is only used if the product being responded to 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
		<i>21 Ordered quantity</i>		
		<i>83 Backorder quantity</i>		
		<i>113 Quantity to be delivered</i>		
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	X

DE6411 will only be used when a non-EAN number is specified in the PIA segment. The use of DE6411 is not mandatory.

Segment: **DTM** Date/Time/Period
Position: 1040
Group: SG26
Level: 2
Usage: Conditional (Optional)
Max Use: 35
Purpose: A segment specifying date/time/period details relating to the line item only.
Notes: ***USE THIS SEGMENT IF A BACK ORDER DATE IS TO BE SPECIFIED FOR THE ITEM IN THE LIN SEGMENT***

Segment Notes.

This segment is used to specify any dates related to the current line item.

DE 2005: Code value '44' is used to indicate the date on which a product which is currently not available will again be available.

Example :

DTM+2:19970910:102'

This example requests delivery to be made on the 10th of September 1997.

DTM+58E:20000112:102'

The example specifies that the backorder delivery date is 12th January 2000.

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				
		58E Back order delivery date/time (EAN Code)		
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		102 CCYYMMDD		

Segment: **QVR** Quantity Variances
Position: 1080
Group: SG26
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment identifying order quantity variances, normally specified by the supplier using an Order Response message.
Notes: Segment Notes.

This segment is used to specify quantity variances and reasons for variances between what was ordered and what is available as specified in the QTY segment at line level.

For negative values (e.g. partial shipments) the variance must be expressed as negative.

Example :

QVR+-20:21+CP+AUE'

20 units of the original ordered quantity are not available because the item identification code (EAN/UPC article number) is unknown. There is no back order and considered the shipment complete.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C279		QUANTITY DIFFERENCE INFORMATION	C	R
	6064	Quantity difference	M n..15	M
		Specify the actual variance amount here.		
	6063	Quantity qualifier	C an..3	R
		21 Ordered quantity		
		This code qualifies that the quantity difference specified relates to the ordered quantity in the referenced Purchase Order..		
4221		DISCREPANCY, CODED	C an..3	O
		BP Shipment partial - back order to follow		
		CP Shipment partial - considered complete, no backorder		
C960		REASON FOR CHANGE	C	O
	4295	Change reason, coded	C an..3	O
		AR Article out of assortment for particular company		
		AU No delivery due to outstanding payments		
		AUE Article code unknown (EAN Code)		
		AV Out of inventory		
		AW Article withdrawn (EAN Code)		
		PC Pack difference		
		QT Quantity price break		
		SL Sale location different		
		SL code is used where the name/address details to the ultimate customer is incomplete or in error. (Refer the the business rule of Applie-com relating to the NAD segment in Segment Group 37.		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	4294	Change reason	C an..35	X

Group: **PRI** Segment Group 30: Price Details
Position: 1240
Group: Segment Group 26 (Line Item) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 25
Purpose: A group of segments identifying the relevant pricing information for the goods or services ordered.

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	1250	PRI	Price Details	M	1	

Segment: **PRI Price Details**
Position: 1250 (Trigger Segment)
Group: SG26-SG30
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 'Unit Price'.
Notes: Segment 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 LINES. THE ORDER RESPONSE MESSAGE WILL ALSO REFLECT THIS

This segment is used to provide price information for the current line item.

The calculation price detailed in the Order Response will always be the Net Unit Price, i.e., Gross Price + Charges - Allowances.

Note 1 : The price stated is the net price including all allowances and charges and excluding taxes. Allowances and charges may be stated for information purposes only.

Example :

PRI+AAA:14.58::INV'

The example below is where the price of the case being ordered is reported at the consumer unit price level, ie, at the each. Therefore the price of the single consumer unit is \$1.99. This segment will follow each LIN.

PRI+AAA:1.99::CU:1:EA'

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	M an..3	M

AAA

Calculation net

If Code AAA is used, then TAX segment is optional.

The price stated is 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.

NTP

Calculation net - including taxes (EAN Code)

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	C	an..3	O
		<i>AP</i>			<i>Advice price</i>
					The price stated is for information only and is an advice by the supplier to the buyer, as being the record in the supplier's database.
		<i>INV</i>			<i>Invoice price</i>
	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 32: Package
Position: 1330
Group: Segment Group 26 (Line Item) Conditional (Optional)
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. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	1340	PAC	Package	M	1	

Segment: **PAC** Package
Position: 1340 (Trigger Segment)
Group: SG26-SG32
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: Segment Notes.

The Applie-com business rule is that the original data and the data as appearing in the supplier's database must be specified.
 Therefore two iteration of this segment must always be transmitted, if the pack segment is transmitted.

This segment is used to indicate the type of packaging for the current line item.

Example :

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> <i>Inner</i>		
			Use code 1 when there are inners and outers and where code 1 refers to the inner configuration.	
		<i>3</i> <i>Outer</i>		
			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 35: Place/Location Identification
Position: 1460
Group: Segment Group 26 (Line Item) Conditional (Optional)
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

	<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	1470	LOC	Place/Location Identification	M	1	

Segment: **LOC** Place/Location Identification
Position: 1470 (Trigger Segment)
Group: SG26-SG35
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment indicating the location to which part of the consignment is to be delivered.
Notes: Segment Notes.

Applie-com requires that the LOC segment is always repeated. Applie-com requires that a null LOC is returned if the location is not known.

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

Example :

LOC+7+931234550000043::9'

LOC+7+3209::92'

(Where the location identification number 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.		
		7 <i>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 locations.		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		9 <i>EAN (International Article Numbering association)</i>		
		91 <i>Assigned by seller or seller's agent</i>		
		92 <i>Assigned by buyer or buyer's agent</i>		
	3224	Place/location	C an..70	X
C519		RELATED LOCATION ONE IDENTIFICATION	C	X
	3223	Related place/location one identification	C an..25	X
		Specifies 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

Group: **TAX** Segment Group 36: Duty/Tax/Fee Details
Position: 1500
Group: Segment Group 26 (Line Item) Conditional (Optional)
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

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	1510	TAX	Duty/Tax/Fee Details	M	1	

Segment: **TAX** Duty/Tax/Fee Details
Position: 1510 (Trigger Segment)
Group: SG26-SG36
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	O
		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 37: Name and Address
Position: 1540
Group: Segment Group 26 (Line Item) Conditional (Optional)
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.	Name	Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	1550	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 1550 (Trigger Segment)
Group: SG26-SG37
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 order. 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: Segment Notes.

Applie-com recommends that if the NAD is incomplete i.e. Street Number , etc is missing, details in the original NAD segment will be retransmitted with an appropriate qualifier in the QVR segment. There will not be two iterations of the NAD segment in this case.

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

Example :

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

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
EAN Location Code = Format n13				
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
THIS HAS AN EANCOM RESTRICTED CODE LIST				
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.g. CITY TOWERS			
	3042	Street and number/p.o. box	C	an..35	O
		Name and/or P.O. Box. E.g. 18TH FLOOR			
	3042	Street and number/p.o. box	C	an..35	O
		Use this line for the third iteration of the street and number. E.g. 123 WEST TERRACE			
	3042	Street and number/p.o. box	C	an..35	X
3164		CITY NAME	C	an..35	D
		City/Town name, clear text E.g. ADELAIDE			
3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	D
		County/State, clear text E.g. SA			
3251		POSTCODE IDENTIFICATION	C	an..9	D
		Postal Code E.g. 5001			
3207		COUNTRY, CODED	C	an..3	X
		ISO 3166 two alpha code			

Segment: **UNS** Section Control
Position: 2150
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: Segment Note.

This segment is used to separate the detail and summary sections.

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: 2160
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 12
Purpose: A segment giving the total amounts for the whole order response message.
Notes: Segment Notes.

This segment is used to indicate total amounts for the order response.

Example :

MOA+86:2480'

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 message 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 minimum of zero decimal position.		
	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: 2170
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment by which control totals may be provided by the sender for checking by the receiver.

Notes: Segment Notes.
 This segment is used to provide message control totals.
 Example :
 CNT+2:157'

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
		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: 2220
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: Segment Notes.

The UNT segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example :

UNT+12+MHDR0000000255'

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 Applie-com ORDRSP Message

Scenario: The whole order has been accepted without amendment.

UN/EDIFACT LAYOUT

DESCRIPTION

UNH+12234+ORDRSP:D:96A:UN:EAN005'	System generated sequence number for the message 12234.
BGM+231+9312345+29'	The Order Response is numbered 9312345 and the referenced order is accepted without amendment.
DTM+137:200106301459:203'	The date/time of Order Response is 30 th July 2001, generated at 2:59PM
RFF+ON:ABCDE1234567890'	The referenced Order Number is ABCDE1234567890.
NAD+BS+ 1234567890128::9'	The Bill and Ship To GLN is 1234567890128
NAD+SU+2234567890127::9'	The Supplier GLN is 2234567890127
UNS+S'	Summary of EDI message
CNT+2:0'	The number of lines is zero
UNT+9+12234'	The number of segments in this message, 12234, is 9.

Scenario: Two items in the Order message has a variance to the original request and therefore the whole order will not be processed. The Buyer is to retransmit the whole order again without the offending items.

UNH+33456+ORDRSP:D:96A:UN:EAN005'	System generated sequence number for the message 33456
BGM+231+9344560+27'	The Order Response is numbered 9344560 and it sent to the retailer advising of "offending items"
DTM+137:2001106301400:203'	The date/time of Order Response is 30 th July 2001, generated at 2:00PM
RFF+ON:ABCDE1001'	The referenced Order Number is ABCDE1001
NAD+BS+ 1234567890128::9'	The Bill and Ship To GLN is 1234567890128
NAD+SU+2234567890127::9'	The Supplier GLN is 2234567890127
LIN+1+7+8800001234567:EN'	Line item 8800001234567 is not accepted by the supplier for supply
PIA+1+AXC:IN'	The key code from the buyer is AXC
QTY+21:63'	The ordered quantity from the order message was 63
QVR+-63:21+CP+AUE'	Off the ordered quantity all 63 will not be supplied, there is no backorder. The item is not known.
PRI+AAA:94.65::INV'	The invoice price which excludes GST, coming from the retailer's system is \$94.65
PAC+63+3'	63 Packages
TAX+7+GST+++::10'	GST Tax is 10%
LIN+2+7+9312345678907:EN'	Line item 9312345678907 is not accepted by the supplier for supply
PIA+1+WWXYZ:IN'	The key code from the buyer is WWXYZ
QTY+21:1'	The ordered quantity from the order message was 1
QVR+-1+BP+AV'	The quantity of 1 will not be supplied, but there will be a back order. It is currently out of inventory
PRI+AAA:250::INV'	The invoice price, excluding GST from the buyer's system is \$250
PRI+AAA:239::AP'	The advice price from the supplier's system is \$239, excluding GST
PAC+1+3'	1 Package
TAX+7+GST+++::10'	GST Tax is 10%
NAD+UD+++MARY CARR:C/O KATHY SMITH+CITY TOWERS:18TH FLOOR:123 WEST TERRACE+ADELAIDE+SA+5001'	STREET ADDRESS OF ULTIMATE CUSTOMER
UNS+S'	Summary of EDI message
MOA+86:5962.95'	Monetary amount of items specified is \$5962.95 (this is the extended amount)
CNT+2:2'	Number of line items is two
UNT+26+33456'	Total number of segments for message 33456