



APPLIE-com

Purchase Order Change Request

(ORDCHG) Version 2

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

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1.0 Contacts

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

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

EAN Australia
 2 Kingston Town Close, Oakleigh
 Victoria, 3166, Australia
 Telephone: 1300 366 066
 Facsimile: (03) 9569 1525
 E-mail address: enaust@ean.com.au
 Internet Web Site: www.ean.com.au

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	PIA segment	Open PIA segment to be in alignment to ORDER and ORDRSP messages.	PIA alignment
	QTY segment	Open DE 6411, unit of measure in QTY segment	Alignment with ORDERS and ORDRSP messages
	NAD segment (SG2)	Added code IV=Invoicee to list of party qualifiers	Agreed at MIG working group meeting 17-19 July 2002.

4.0 Purchase Order Change Request Data Mapping Table

Purchase Order Change Request (ORDCHG) 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	230=Purchase order change request		
	Order Response Number	Mandatory	BGM / 0020	DE1004		AN..35	Order number assigned by document sender
	Message function	Mandatory	BGM / 0020	DE1225	1=Cancellation 7=Duplication 9=Original 31=Copy		In Applie-com, Code 1 used to indicate that the referenced purchase order is to be cancelled in whole
	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	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.
	Ref Number	Mandatory	RFF / 0090	C506 DE1153	ON=Order Number (purchase)		The ON must be sent as the Order Change Request message is referencing a previously sent Order.
	Reference number	Mandatory	RFF/0090	C506 DE1154		AN..35	
	Reference document date/time qualifier	Mandatory	DTM /0100	C507 DE2005	17=Delivery date/time estimated 171=Reference date/time		This is the delivery date specified in the referenced Purchase Order This is the date of the referenced Purchase Order.

	Date/Time	Mandatory	DTM/0100	C507 DE2380		AN..35	
	Time qualifier	Mandatory	DTM /0100	C507 DE2379	102=CCYYMMDD 203=CCYYMMDDHHMM		
	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		
	Party id	Mandatory	NAD/0150	C082 DE3039		AN..35	Specify the GLN
	Responsible agency after specifying party id.	Conditional	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..
	Additional party information	Conditional	RFF/0190	C506 DE1153	API=Additional party identification (EAN Code) IA=Internal vendor number		
	Reference number	Conditional	RFF/0190	C506 DE1156		AN..35	

Data Type	Business Description	Business Requirements Mandatory Conditional Optional	Where found in EANCOM ORDERS/ Position number	Data Element	Code Value	Business Data Format in UN/EDIFACT A=Alpha N=Numeric ..=variable length	Comments
Detail Information							
	Sequence	Mandatory	LIN / 0970	DE1082		N..6	Application generated number of the count of the order lines.

	line number						
	Action Request	Mandatory	LIN / 0970	DE1229	2=Deleted 3=Changed		Code 2 is used when the whole item is no longer required and there has been none delivered. Code 3 is used when an outstanding quantity of an item is to be cancelled.
	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
	Product id function qualifier	Optional	PIA/0980	DE4347	1=Additional identification 5=Product identification		
	Item number	Optional	PIA/0980	C212 DE7140		AN..35	
	Item number type	Optional	PIA/0980	C212 DE7143	IN=Buyer's item number SA=Supplier's article number		
	Order Quantity	Mandatory	QTY / 1010	C186 DE6063	83=Backorder quantity		Code 83 will refer to an item that has been partially delivered and there is an outstanding quantity, specified in DE6060. In Applie-com this quantity will always be zero, as the sender requires none.
	Quantity	Mandatory	QTY/1010	C186 DE6060		N..15	
	Measure unit qualifier	Conditional	QTY/1010	C186 DE6411	EA=Each		

Data Type	Business Description	Business Requirement Mandatory	Where found in EANCOM ORDERS/ EDIFACT	Data Element	Code Value	Business Data Format in UN/EDIFACT A=Alpha	Comments
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		Conditional Optional	Position number			N=Numeric ..=variable length	
Summary Informati on							
	Section identifier	Mandatory	UNS/2150	DE0081	S=Detail/Summary section separation		
	Control totals	Mandatory	CNT / 2170	C270 DE6069	1= Algebraic total of quantity values in line items in a message 2=Number of line items in message		Code 1 is allowed for alignment reasons with the Aust.Retail Industry. Code 2 is preferred by Applie-com.
	Control value	Mandatory	CNT/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		
Document/message name	BGM	AN..3
Message number	BGM	AN..35
Message function (e.g. original, copy, etc)	BGM	AN..3
Message date/time	DTM	AN..35
Order number reference number	RFF	AN..35
Buyer and Seller identification	NAD	AN..35
Detail		
Line item number	LIN	N..6
Action requested (deleted, change)	LIN	AN..3
Item number (EAN GTIN format N..14)	LIN	AN..35
Item number (non-EAN GTIN)	PIA	AN..35
Backorder 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.

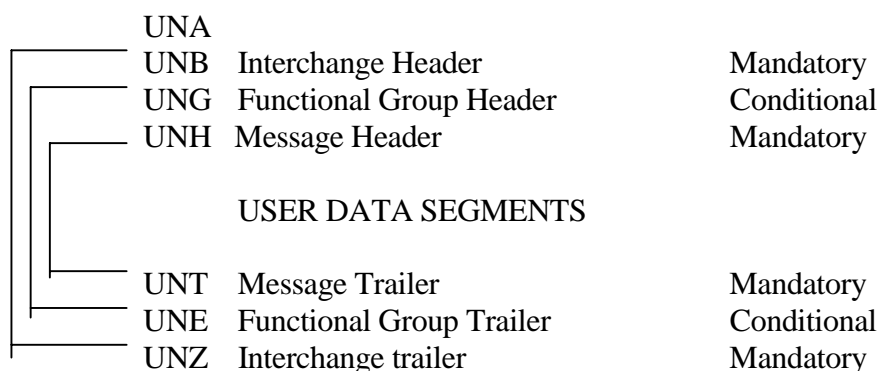
6.2 UN/EDIFACT syntax overview

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 Amendment 1 of 1992.

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

6.2.1 Structure of an interchange

An interchange may consist of the following segments:



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

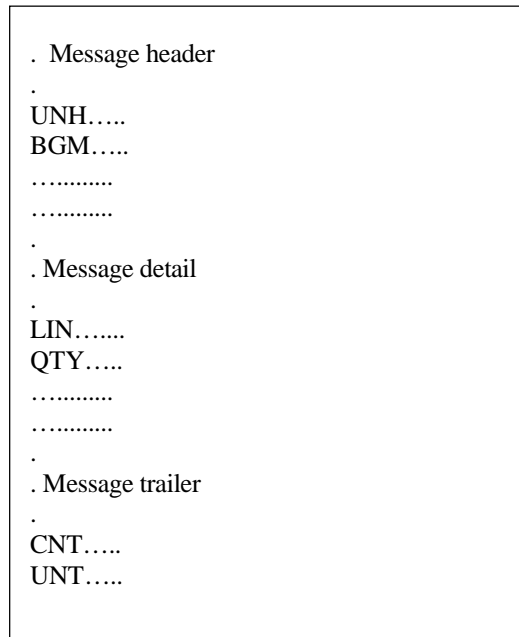
User data segments contain the information itself, in a format specific to each message type.

6.2.2 Structure of a message

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

- 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®;

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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.

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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

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n..3 up to 3 numeric characters
an..3 up to 3 alpha-numeric characters

7.2 Status indicators

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

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

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

Code values have two status's in EANCOM®:

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

8.0 Interchange structure and service segments

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

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

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

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

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

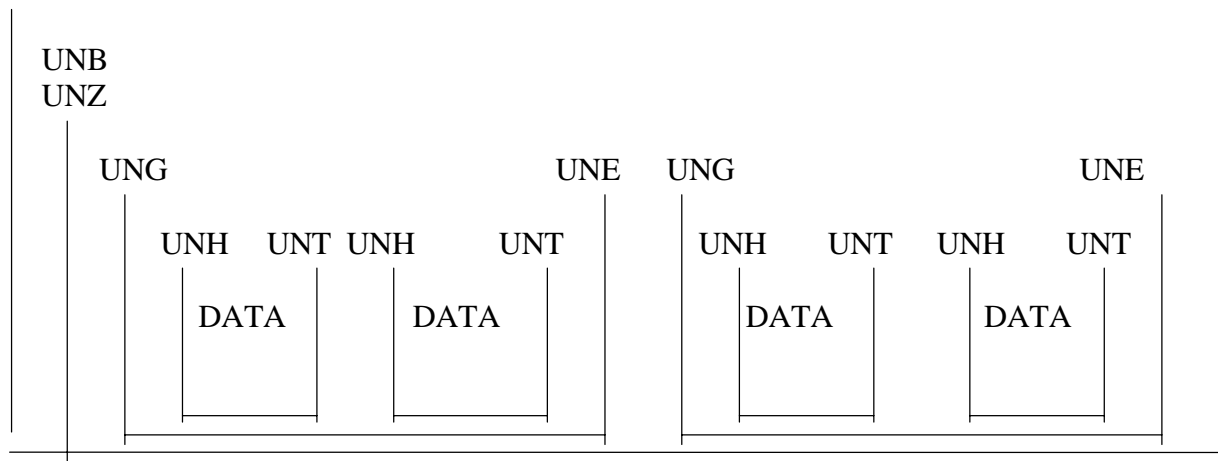
To each beginning service segment corresponds an ending service segment (note, UNA is not a beginning segment).

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

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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, Appie-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 Appie-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

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Segment Notes.

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

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

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

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

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

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

11.0 Segment Layout - UNG segment.

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

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

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

12.0 Segment Layout - UNE segment.

As a business rule, Appie-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 ORDCHG Purchase Order Change Request Message

* Definition

A message from the buyer to the seller, specifying details of the buyer's request to change a Purchase Order.

* Principles

A buyer may request to change, or possibly cancel one or more goods items or services.

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

Description of the message

For guidance, the following principles serve to remove ambiguity in the application of an EDI Purchase Order Change Request.

1. The content of a Purchase Order Change Request is assumed to affect:
 - The modification of a previous Purchase Order as requested by the buyer,
 - The modification of a previous Purchase Order in confirmation or response to the amendments proposed by the seller in a Purchase Order Response.

2. A change may not be requested on:
 - the Purchase Order number,
 - the identification of buyer and seller,
 - the line item number.

These changes may only be made by cancelling the previous Purchase Order and re-ordering.

13.1 The ORDCHG Message

Notes:

AS AN APPLIE-COM BUSINESS RULE, THE USE OF THE PURCHASE ORDER CHANGE REQUEST MESSAGE WILL BE AGREED ON A BI-LATERAL BASIS BETWEEN THE BUYER AND SELLER. NOT ALL SELLERS WILL QUALIFY TO RECEIVE AN ORDCHG MESSAGE.

THE GENERAL UNDERSTANDING IS THAT AN ORDCHG MESSAGE IS INAPPROPRIATE IF THE LIFE CYCLE OF THE ORDER HAS ALREADY COMMENCED (IN THE APPLIE-COM SCENARIO, THE LIFE CYCLE OF AN ORDER IS WHEN IT HAS BEEN ACCEPTED IN THE SUPPLIER'S SYSTEM).

APPLIE-COM RECOMMENDS THAT THE ORDER CHANGE MESSAGE WILL OPERATE UNDER THE FOLLOWING CONDITIONS:-

- THE UNDELIVERED QUANTITY OF AN ITEM
- THE UNDELIVERED ITEMS OR THE TOTAL ORDER

1st draft of the Electrical Appliances Industry (Applie-com) Message Implementation Guidelines.

2nd draft of Applie-com ORDCHG message. Changes made to pre-amble of MIG. Including opening of segment

Applicom Message Implementation Guidelines

PIA to co-occur with PIA in Orders Message and Unit of Measure DE in QTY segment.

Heading Section:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
23	0010	UNH	Message Header	M	M	1		
24	0020	BGM	Beginning of Message	M	M	1		
26	0030	DTM	Date/Time/Period	M	M	35		
	0080		Segment Group 1	C	O		10	
28	0090	RFF	Reference	M	M	1		
29	0100	DTM	Date/Time/Period	C	O	5		
	0140		Segment Group 3	C	O		99	
31	0150	NAD	Name and Address	M	M	1		
	0180		Segment Group 4	C	O		10	
34	0190	RFF	Reference	M	M	1		

Detail Section:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
	0960		Segment Group 26	C	O		200000	
36	0970	LIN	Line Item	M	M	1		
38	0980	PIA	Additional Product Id	C	O	25		
40	1010	QTY	Quantity	C	O	10		

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>
41	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>
42	2170	CNT	Control Total	C	O	10		
43	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 change request message is ORDCHG.
 Note: Purchase order change request messages conforming to this document must contain the following data in segment UNH, composite S009:
 Data element 0065 ORDCHG 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 Change 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 Change.
 Example :
 UNH+ME000001+ORDCHG:D:96A:UN:EAN005'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
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	0065	MESSAGE IDENTIFIER Message type identifier	M an..6	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST <i>ORDCHG Purchase order change message</i>		
	0052	Message type version number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST <i>D Draft directory</i>		
	0054	Message type release number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST <i>96A Version 96A</i>		
	0051	Controlling agency	M an..2	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST <i>UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</i>		
	0057	Association assigned code	C an..6	O
		Indicates that the message is the EANCOM version 004 of the UNSM Purchase Order Change Request. <i>EAN005 EAN Version control number.</i>		
0068		COMMON ACCESS REFERENCE	C an..35	X
S010		STATUS OF THE TRANSFER	C	X
	0070	Sequence message transfer number	M n..2	X
	0073	First/last sequence message transfer indication	C a1	X

Segment: **BGM** Beginning of Message
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment by which the sender must uniquely identify the order change by means of its number and when necessary its function.
Notes: Segment Notes.

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

DE 1001: The Purchase Order Change Request is transmitted by the buyer in order to change a previous Purchase Order or to respond to seller's Purchase Order Response.

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

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

DE 1225: The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. The following definitions apply for the restricted codes:

1= Cancellation. Message cancelling a previous transmission for a given transaction.

7 = Duplicate - A retransmission involving the same parties, on the specific request of the receiver.

9 = Original - An original transmission of a purchase order change.

31 = Copy - A copy of an order for a third party for information purposes.

Example :

BGM+230+ORCH5125+9'

Dependency Notes :

DE 4343: This DE is used if the buyer wishes to explicitly indicate whether an acknowledgement is required or not.

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
C002	1001	DOCUMENT/MESSAGE NAME	C	R
		Document/message name, coded	C an..3	R
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
1004	1000	Document/message name	C an..35	X
	DOCUMENT/MESSAGE NUMBER	C an..35	R	
1225		Order change number assigned by document sender.		
		MESSAGE FUNCTION, CODED	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		The message function, coded, is a critical element in this segment. The restricted codes detailed in DE 1225 have the following definitions: (see notes for codes)		
		1 Cancellation		

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		In Applicom, code 1 is used only when the whole order is to be cancelled and the Despatch Advice has not been received. The RFF segment will indicate the Purchase Order number to be cancelled. All mandatory segments in the message will be transmitted.
	<i>7</i>	Duplicate A retransmission involving the same parties, on the specific request of the receiver.
	<i>9</i>	Original Code 9 is used when individual lines in an order that are outstanding are to be cancelled and the Despatch Advice for the outstanding quantities has not been received.
	<i>31</i>	Copy A copy for a third party for information purposes.
4343	RESPONSE TYPE, CODED	C an..3 X

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Mandatory
Max Use: 35
Purpose: A segment specifying general dates and, when relevant, times related to the whole order or order change message. The segment must be specified at least once to identify the order change date.
 Examples of the use of this DTM segment are: Lead times that apply to the whole of the order and, if no schedule is to be specified, the delivery date.
 The Date/time/period segment within other Segment group should be used whenever the date/time/period requires to be logically related to another specified data item. e.g. schedule dates are specified within Segment group 47.

Notes: Segment Notes.

This segment is used to specify the date of the order change request or to provide a change or clarification to the delivery or pick-up date/time instructions provided in a previous purchase order or purchase order response.

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

Example :
 DTM+137:19970830:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>	
C507		DATE/TIME/PERIOD	M	M	
	2005	Date/time/period qualifier	M an..3	M	
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		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				

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

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0090	RFF	Reference	M	1	
O	0100	DTM	Date/Time/Period	C	5	

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 that document.
Notes: Segment Notes.

This segment is used to provide any references applicable to the complete purchase order change message.

This segment should be provided at least once per purchase order change request message in order to identify the purchase order message being changed.

Additionally, further reference can be provided as corrections or clarifications to a previously sent Purchase Order or Purchase Order Response. References should normally be given at this point if they apply to all or a majority of the line items.

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 Order number (purchase)</i>		
	1154	Reference number	C an..35	R
	1156	Line number	C an..6	X
	4000	Reference version number	C an..35	X

Segment: **DTM** Date/Time/Period
Position: 0100
Group: SG1
Level: 2
Usage: Conditional (Optional)
Max Use: 5
Purpose: A segment specifying the date/time related to the reference.

Notes: Segment Notes.

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

Example :

DTM+171:19970825:102'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507		DATE/TIME/PERIOD	M	M
	2005	Date/time/period qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>17</i>	<i>Delivery date/time, estimated</i>	
			This is the delivery date specified in the Purchase Order message referenced in the RFF segment. Applie-com recommends that this code be used when sending the ORDCHG message.	
		<i>171</i>	<i>Reference date/time</i>	
			This is the date pertaining to the Purchase Order Number referenced in the RFF segment. The use of this code is optional.	
	2380	Date/time/period	C an..35	R
	2379	Date/time/period format qualifier	C an..3	R
		<i>102</i>	<i>CCYYMMDD</i>	
		<i>203</i>	<i>CCYYMMDDHHMM</i>	

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0150	NAD	Name and Address	M	1	
	0180		Segment Group 4: Reference	C		10

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 change. Identification of the seller and buyer parties is mandatory for the order change message. It is recommended that where possible only the coded form of the party ID should be specified. i.e. The Buyer and Seller are known to each other, and only the coded format is required. Consignee or Delivery addresses may vary and would have to be completely specified, preferably in structured format.

Notes: Segment Notes.

This segment is used to identify the trading partners involved in the Purchase Order Change Request. 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. It can however be overridden at line level by the use of Segment Group 32 LOC/PTY/DTM to indicate split deliveries.

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

In Applicom the UD=Ultimate Destination code in DE3035 is not relevant as the Purchase Order Change Request will relate to quantities and not delivery destinations. Therefore structure address is not required to be specified.

Example :

NAD+BY+9312345000012::9'
 NAD+SU+9322345500009::9'

Dependency Notes :

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

C080 - C059 - 3164 - 3229 - 3251 - 3207

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3035		PARTY QUALIFIER	M an..3	M
		<i>BS</i>	<i>Bill and ship to</i>	
		<i>BY</i>	<i>Buyer</i>	
		<i>ST</i>	<i>Ship to</i>	
		<i>SU</i>	<i>Supplier</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.		
C082		PARTY IDENTIFICATION DETAILS	C	Re
	3039	Party id. identification	M an..35	M
		EAN Global Location Number - Format n13		
		Applicom recommends the use of the EAN Global Location Number for EANCOM		

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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.

1131	Code list qualifier	C	an..3	X
3055	Code list responsible agency, coded	C	an..3	R
THIS HAS AN EANCOM RESTRICTED CODE LIST				
	9	<i>EAN (International Article Numbering association)</i>		
	91	<i>Assigned by seller or seller's agent</i>		
	92	<i>Assigned by buyer or buyer's agent</i>		
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		X
3036	Party name	M	an..35	X
3036	Party name	C	an..35	X
3036	Party name	C	an..35	X
3036	Party name	C	an..35	X
3045	Party name format, coded	C	an..3	X
C059	STREET	C		X
3042	Street and number/p.o. box	M	an..35	X
3042	Street and number/p.o. box	C	an..35	X
3042	Street and number/p.o. box	C	an..35	X
3042	Street and number/p.o. box	C	an..35	X
3164	CITY NAME	C	an..35	X
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	X
3251	POSTCODE IDENTIFICATION	C	an..9	X
3207	COUNTRY, CODED	C	an..3	X

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Group: **RFF** Segment Group 4: Reference
Position: 0180
Group: Segment Group 3 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 10
Purpose: A group of segments giving references only relevant to the specified party rather than the whole order change.

Segment Summary						
	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0190	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0190 (Trigger Segment)
Group: SG3-SG4
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the reference by its number and where appropriate a line number within a document.
Notes: Segment Notes.

This RFF segment is used to identify references related to for the party specified in the previous NAD segment.

Example :

RFF+IA:01557'

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

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C506		REFERENCE	M	M
	1153	Reference qualifier	M an..3	M
THIS HAS AN EANCOM RESTRICTED CODE LIST.				
		<i>API</i>	<i>Additional party identification (EAN Code)</i>	
		<i>IA</i>	<i>Internal vendor number</i>	
	1154	Reference number	C an..35	R
	1156	Line number	C an..6	X
	4000	Reference version number	C an..35	X

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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 line items. This Segment group may be repeated to give sub-line details.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	0970	LIN	Line Item	M	1	
O	0980	PIA	Additional Product Id	C	25	
O	1010	QTY	Quantity	C	10	

Segment: **LIN** Line Item
Position: 0970 (Trigger Segment)
Group: SG26
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment identifying the line item with 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. The D.E. 1229 has to be used.

Notes: Segment Notes.

This segment is used to identify the item being ordered.

The detail section of the Purchase Order Change Request 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:

1 = Addition : The buyer indicates the line item is to be added to the Purchase Order as a new or additional item. All required data must be transmitted.

2 = Deleted : The buyer indicates the line item is to be deleted from the referenced Purchase Order. No other data for the line item needs to be transmitted.

3 = Changed : The buyer indicates that the line item is to be changed. The data transmitted in the LIN segment, and segments below LIN, replaces the previously held information for the order line.

11 = Not Amended : The buyer indicates that the line has not being changed and is being sent for information

Example :

LIN+1+2+541234511115:EN'

Dependency Notes :

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

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

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

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1082		LINE ITEM NUMBER	C n..6	R
		Application generated number of the count of the order change request lines.		
1229		ACTION REQUEST/NOTIFICATION, CODED	C an..3	O
		2	<i>Deleted</i>	
		Code 2 is used when the whole item is no longer required and there has been none delivered.		
		3	<i>Changed</i>	
		Code 3 is used when an outstanding quantity of an item is to be cancelled.		
C212	7140	ITEM NUMBER IDENTIFICATION	C	D
		Item number	C an..35	R
		Format n..14		

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		EAN/UCC-8, UCC-12, EAN/UCC-13, or EAN/UCC-14 - this is the number of the article being changed.		
		Applicom restricts the use of only EAN/UCC numbers in DE7140. If none EAN.UCC numbers are used, then it is recommended that the PIA segment is used.		
	7143	Item number type, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST.		
		<i>EN</i>	<i>International Article Numbering Association (EAN)</i>	
			Use code EN, for any EAN/UCC number structure.	
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C829		SUB-LINE INFORMATION	C	X
	5495	Sub-line indicator, coded	C an..3	X
	1082	Line item number	C n..6	X
1222		CONFIGURATION LEVEL	C n..2	X
7083		CONFIGURATION, CODED	C an..3	X

Segment: **PIA** Additional Product Id
Position: 0980
Group: SG26
Level: 2
Usage: Conditional (Optional)
Max Use: 25

Purpose: A segment providing either additional identification of 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 identity for the product identified in the LIN segment. The additional identification can consist of :

A supplemental identification which provides more information complementary to the main 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 instead of the main article number 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 code 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 9312345111114 provided in the LIN segment refers to the internal buyer's item number.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4347		PRODUCT ID. FUNCTION QUALIFIER	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>1 Additional identification</i>		
		<i>5 Product identification</i>		
C212		ITEM NUMBER IDENTIFICATION	M	M
	7140	Item number	C an..35	R
		E.g. Model Number or Model Code		
	7143	Item number type, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>IN Buyer's item number</i>		
		<i>SA Supplier's article number</i>		
	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.		
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

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	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 a quantity as specified by the Action Code Request.
Notes: Segment Notes.

In Applie-com, the QTY segment will only be used when Action Code 3 is used in the LIN segment.

QTY segment will not be used when the Action Code in LIN is Code 2.

This segment is used to specify the total quantity for the line identified in the LIN segment.

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+83:0'

Indicating that the item specified has been partially delivered and while there is an outstanding quantity to be delivered, that quantity is to be cancelled to zero. The buyer does not require the outstanding quantity. (Used only id DE1229 in LIN is showing a Code 3).

Dependency Notes :

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

DE 6063: The use of code value '59, number of consumer unit' is only to be used in this message for confirmation previously agreed and contained in the price or product catalogue.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186		QUANTITY DETAILS	M	M
	6063	Quantity qualifier	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		83	<i>Backorder quantity</i>	
			Code 83 will refer to an item that has been partially delivered and there is an outstanding quantity, specified in DE6060 and qualified with code 83, with a Despatch Advice still to come from the supplier.	
	6060	Quantity	M n..15	M
		In Applie-com, this value will always be zero, being the advise to the supplier that any remaining quantity is to be cancelled to zero.		
	6411	Measure unit qualifier	C an..3	O
		<i>EA</i>	<i>Each</i>	
		Code EA is used to reference the unit of measure of the item number specified in the PIA segment in DE 7140		

Segment: **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 Notes.

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

Example :

UNS+S'

Data Element Summary

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

Segment: **CNT** Control Total
Position: 2170
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 10
Purpose: A segment by which control totals may be provided.

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>
		2		<i>Number of line items in message</i>
	6066	Control value	M n..18	M
	6411	Measure unit qualifier	C an..3	X

Segment: **UNT** Message Trailer
Position: 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: The UNT segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.
 Example :
 UNT+48+ME000001'

Data Element Summary

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

14.0 Sample Applic-com ORDCHG Message

UN/EDIFACT DATA LAYOUT

DESCRIPTION

Scenario: The whole order not previously supplied has been cancelled.

UNH+12345+ORDCHG:D:96A:UN:EAN005'	System generated sequence number for the message 12345
BGM+230+ORDERCHANGE001+1'	The Order Change is numbered ORDERCHANGE001 and has a message function of cancelled.
DTM+137:200110241200:203'	The date/time of the message is 2 nd November 2001, 12noon
RFF+ON:9023512'	Order Number it is referencing is 9023512
DTM+17:20011108:102'	The date of delivery is 8 th November 2001.
DTM+171:200110301130:203'	The date/time of the Order is 30 th October 2001, 11:30am
NAD+BY+9312345678902::9'	Buyer identification is 9312345678902
NAD+SU+1112223334445::9'	Supplier identification is 1112223334445
RFF+IA:55667'	The buyer's internal reference number for the supplier is 55667
UNS+S'	Summary of EDI message
CNT+2:0'	The number of lines in the message is zero
UNT+12+12345'	The number of segments in this message 12345, is 12

Scenario: The undelivered component of an order has been changed to zero. The buyer does not require the outstanding quantity.

UNH+22334+ORDCHG:D:96A:UN:EAN005'	System generated sequence number for the message 22334
BGM+230+ORDERCHANGE002+9'	The Order Change is numbered ORDERCHANGE002 and is an original document
DTM+137:200111200800:203'	The date/time of the message is 20 th November 2001, 8:00am
RFF+ON:99091'	Order Number it is referencing is 99091
DTM+17:200111118:102'	The date of delivery is 18 th November 2001.
NAD+BY+9312345678902::9'	Buyer identification is 9312345678902
NAD+SU+1112223334445::9'	Supplier identification is 1112223334445
RFF+IA:55667'	The buyer's internal reference number for the supplier is 55667
LIN+1+2+1234567890123:EN'	Line 1, 1234567890123 is to be deleted from the abovementioned order.
LIN+2+3+8801234567890:EN'	Line 2, 8801234567890, is to be changed
QTY+83:0'	The outstanding backorder relating to line 2 is to be changed to zero. None is required.
UNS+S'	Summary of EDI message
CNT+2:2'	The number of lines in the message is two
UNT+14+22334'	The number of segments in this message 22334, is 14