



**APPLIE-com**

**Inventory Report**

**(INVRPT) Version 3**

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



**Table of Contents**

**1.0 Contacts ..... 4**

**2.0 Disclaimer..... 4**

**3.0 Change Control..... 4**

**4.0 Inventory Report Data Mapping Table ..... 7**

**5.0 Minimum (Mandatory) Data Requirement..... 11**

**6.0 UN/EDIFACT ..... 13**

**6.1 Definition of UN/EDIFACT..... 13**

**6.2 UN/EDIFACT syntax overview ..... 13**

        6.2.1 Structure of an interchange..... 13

        6.2.2 Structure of a message ..... 13

        6.2.3 Segment structure ..... 14

        6.2.4 Separators ..... 15

        6.2.5 Representation of numeric values..... 15

        6.2.6 Character set ..... 16

**7.0 Documentation conventions ..... 17**

    7.1 Format and picture of data elements ..... 17

    7.2 Status indicators..... 17

**8.0 Interchange structure and service segments..... 17**

**9.0 Segment Layout - UNA segment ..... 19**

**10.0 Segment Layout - UNB segment. .... 20**

**11.0 Segment Layout - UNG segment. .... 22**

**12.0 Segment Layout - UNE segment. .... 23**

**13.0 INVRPT Inventory Report Message..... 24**

    13.1 The INVRPT Message..... 24

**14.0 Sample Applie-com INVENTORY Message ..... 47**

## 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](http://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 v 2	Section 1	Described background of Applie-com	
	CUX segment (SG5)	Add CUX segment for trading with other countries. It is not recommended for domestic transactions.	Change request agreed at MIG Work Group meeting 1-3 May 2002, following industry feedback.
Draft v 3		GS1 name change	





## 4.0 Inventory Report Data Mapping Table

Inventory Report (INVRPT) data mapping table – Applicom

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	35=Inventory report		
	Document Number	Mandatory	BGM / 0020	DE1004		AN..35	Document reference number assigned by document sender
	Message function	Mandatory	BGM / 0020	DE1225	7=Duplicate 9=Original 31=Copy		
	Date/time of Message	Mandatory	DTM/0030	C507 DE2005	137=Document/message date/time 194=Start date/time 206=End date/time 366=Inventory report date		This is the date/time stamp of the message  The business rule requires codes 194 and 206 to be paired, to indicate the period for information exchange
	Date/Time/Period	Mandatory	DTM/0030	C507 DE2380		AN..35	
	Date/Time qualifier	Mandatory	DTM /0030	C507 DE2379	102=CCYYMMDD 203=CCYYMMDDHHMM		
	Buying Party	Mandatory	NAD / 0080	DE3035	WH=Warehouse keeper  ST=Ship To		Party taking responsibility for goods entered into a warehouse. In Applicom this will be buyer requesting for information e.g. stock on hand. Identification of the party to where goods will be or have been shipped. In Applicom this code is used to indicate the store.
	Supplier id	Mandatory	NAD/ 0080	DE3035	SU=Supplier		

	Party id identification	Mandatory	NAN/0080	C082 DE3039		AN..35	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..
	Responsible agency after specifying party id.	Mandatory	NAD / 0080	C082 DE3055	9=EAN 91=Assigned by seller 92=Assigned by buyer		
	Currency details qualifier	Conditional	CUX/0170	C504 DE6347	2=Reference currency		For overseas trading only. Not recommended for domestic trade.
	Currency coded	Conditional	CUX/0170	C504 DE6345		AN..3	ISO 4217, 3 alpha code
	Currency qualifier	Conditional	CUX/0170	C504 DE6343	10=pricing currency		

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
<b>Detail Information</b>							
	Sequence line number	Mandatory	LIN / 0290	DE1082		N..6	Application generated number of the count of the lines.
	GTIN number	Mandatory	LIN / 0290	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 / 0290	C212 DE7143	EN=International Article Numbering association		Use PIA segment if the item number is a non-EAN number
	Additional product id	Conditional	PIA / 0300	DE4347	1=Additional identification 5=Product identification		Code 1 is to assist in trouble shooting e.g. buyer's key code number Code 5 is used where a non-EAN number is to be referenced.

	Item number	Conditional	PIA/0300	C212 DE7140		AN..35	
	Item number type code	Conditional	PIA / 0300	C212 DE7143	IN=Buyer's item number SA=Supplier's article number		
	Item Description type code	Optional	IMD/0310	DE7077	F=Free form		Item description is not mandatory and is considered optional.
	Item description identification	Optional	IMD/0310	C273 DE7009	CU=Consumer unit (EAN code)		
	Code list responsible agency, coded	Conditional	IMD/0310	C273 DE3055	9=EAN		
	Item Description	Optional	IMD/0310	C273 DE7008		AN..35 x 2	Item description is not mandatory and is considered optional. A total of 70 characters is allowed.
	Quantity qualifier	Mandatory	QTY /0400	C186 DE6063	47=Invoiced quantity 113=Quantity to be delivered 145=Actual stock 153=Statistical sales quantity 38E=Forecast sales quantity (EAN Code)		
	Quantity	Mandatory	QTY/0400	C186 DE6060		N..15	
	Location	Conditional	LOC/0430	DE3227	18=Warehouse 162=Place or location of sale		Use this when required to specify the actual site/location relating to the quantity information provided.
	Place/location identification	Conditional	LOC/0430	C517 DE3225		AN..25	
	Responsible agency after specifying party id.	Conditional	LOC / 0430	C517 DE3055	9=EAN 91=Assigned by seller 92=Assigned by buyer		Applie-com recommends to use of the EAN Global Location Number for party identification. However if no EAN GLN is available or for migration purposes, then use code 91 or 92, dependent on business arrangements..
	Unit price qualifier	Optional	PRI / 0500	C509 DE5125	AAA=Calculation net.		The price stated is the net price including allowances/charges and excluding taxes. This is the net invoice for the item (Price excluding GST)

	Price	Optional	PRI/0500	C509 DE5118		N..5	For Applie-com, the price stated is the average price related to the quantity stated.

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
<b>Summary Information</b>							
	Message Trailer	Mandatory	UNT/0670	DE0074		N..6	Number of segments in a message
	Message reference number	Mandatory	UNT/670	DE0062		AN..14	

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
<b>Header</b>		
Message type (35=Inventory report)	BGM	AN..3
Message number	BGM	AN..35
Message function (e.g. original, duplicate, copy)	BGM	AN..3
Message date/time	DTM	AN..35
Ship to, supplier and/or warehousekeeper identification	NAD	AN..35
<b>Detail</b>		
Line item identification 9GTIN)	LIN	AN..35
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:

	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.

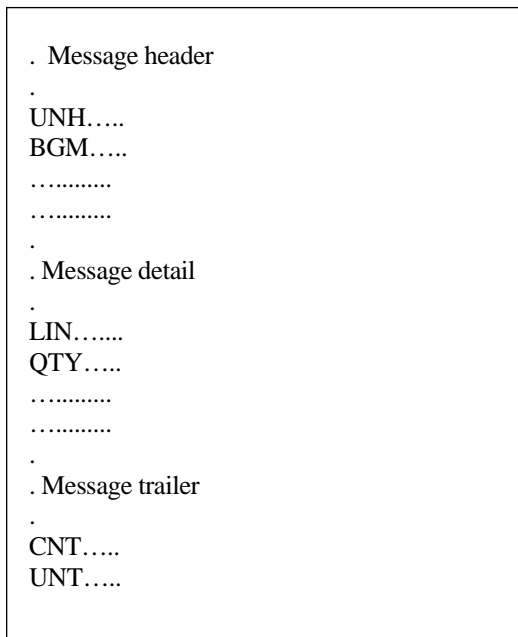
User data segments contain the information itself, in a format specific to each message type.

#### 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:

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

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



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

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

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

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

### 6.2.3 Segment structure

A segment consists of:

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

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

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

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

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

### 6.2.4 Separators

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

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

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

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

### 6.2.5 Representation of numeric values

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

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

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

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

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

### 6.2.6 Character set

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

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

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

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

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

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

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

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

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

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

## 7.0 Documentation conventions

### 7.1 Format and picture of data elements

The following conventions apply in the present documentation:

a	alphabetic characters
n	numeric characters
an	alpha-numeric characters
a3	3 alphabetic characters, fixed length
n3	3 numeric characters, fixed length
an3	3 alpha-numeric characters, fixed length
a..3	up to 3 alphabetic characters
n..3	up to 3 numeric characters
an..3	up to 3 alpha-numeric characters

### 7.2 Status indicators

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

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

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

Code values have two status's in EANCOM®:

-	<b>Restricted (*)</b>	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.
-	<b>Open.</b>	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.



## 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
<b>UNA1 Component data element separator</b>		M an1	M	Is used as a separator between component data elements contained within a composite data element (default value : )
<b>UNA2 Data element separator</b>		M an1	M	Is used to separate two simple or composite data elements (default value : + )
<b>UNA3 Decimal notation</b>		M an1	M	Is used to indicate the character used for decimal notation (default value : . )
<b>UNA4 Release character</b>		M an1	M	Used to restore the separator and the terminator signs to their original specification (default value: ? )
<b>UNA5 Reserved for future use</b>		M an1	M	(default value : space )
<b>UNA6 Segment terminator</b>		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
<b>S001 SYNTAX IDENTIFIER</b>	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
<b>S002 INTERCHANGE SENDER</b>	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
<b>S003 INTERCHANGE RECIPIENT</b>	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
<b>S004 DATE / TIME OF PREPARATION</b>	M	M		Must Use
0017 Date	M n6	M		YYMMDD. Must Use
0019 Time	M n4	M		HHMM. Must Use
<b>0020 Interchange control reference</b>	M an..14	M		Unique reference identifying the interchange. Created by the interchange sender. Must Use
<b>S005 RECIPIENT'S REFERENCE PASSWORD</b>	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
<b>0026 Application reference</b>	C an..14	O		Message identification if the interchange contains only one type of message. Not Used
<b>0029 Processing priority code</b>	C a1	O		Not Used
<b>0031 Acknowledgement request</b>	C n1	O		Not Used
<b>0032 Communications agreement identification</b>	C an..35	O	*	Not Used.
<b>0035 Test indicator</b>	C n1	O		1 = Interchange is a test Use code 1 only if the interchange is a test, otherwise do not send DE0035. Dependent

Segment Notes.

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

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

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

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

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

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

### 11.0 Segment Layout - UNG segment.

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

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

UNG - C 1 - FUNCTIONAL GROUP HEADER				
Function :		To start, identify and specify a functional group.		
Segment number :				
	EDIFACT	EAN	*	Description
<b>0038 FUNCTIONAL GROUP IDENTIFICATION</b>	M an..6	M		Identifies the type of message contained in the functional group, e.g. INVOIC
<b>S006 APPLICATION SENDER'S IDENTIFICATION</b>	M	M		
0040 Sender identification	M an..35	M		EAN location number (n13)
0007 Identification code qualifier	C an..4	R	*	14 = EAN International
<b>S007 INTERCHANGE RECIPIENT</b>	M	M		
0044 Recipient identification	M an..35	M		EAN location number (n13)
0007 Identification code qualifier	C an..4	R	*	14 = EAN International
<b>S004 DATE / TIME OF PREPARATION</b>	M	M		
0017 Date	M n6	M		YYMMDD
0019 Time	M n4	M		HHMM
<b>0048 Functional group reference number</b>	M an..14	M		Unique reference identifying the functional group. Created by the interchange sender.
<b>0051 Controlling agency</b>	M an..2	M	*	EN = EAN International UN = UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)
<b>S008 MESSAGE VERSION</b>	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.
<b>0058 Application password</b>	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
<b>0060</b>	<b>Number of messages</b>	M n..6	M	Number of messages in the group.
<b>0048</b>	<b>Functional group reference number</b>	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
<b>0036</b>	<b>Interchange control count</b>	M n..6	M	Number of messages or functional groups within the interchange.
<b>0020</b>	<b>Interchange control reference</b>	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 INVRPT Inventory Report Message

### \* Definition

A message specifying information related to held inventories and planned or targeted inventories. The Inventory Report message is intended to be used in either direction between trading partners.

### \* Principles

The exchanged information will relate to inventories of raw materials, manufactured articles, returnable containers which are EAN coded and which can be exchanged or returned, or other inventoriable goods.

The information can be exchanged between a manufacturer and a distributor (wholesaler), manufacturer and consignment holder, retailer to wholesaler, headquarters or service provider, etc.

The specified quantities relating to held product can indicate opening stock, actual stock, quality control held stocks, damaged stock, and goods movement (receipts or withdrawals) of held inventory, for a given time frame.

The specified quantities may also relate to planned or targeted inventories and can indicate model or target stock, minimum stock, maximum stock and reordering point stock levels.

The specified quantities can relate directly to a product or package, and may be sub-detailed within different groups or classes, e.g. batch, location, age, etc.

For every specified quantity it is possible to indicate status information (events which have happened and the reasons for the events), and the relative package identifications of the physical units involved.

### 13.1 The INVRPT Message

#### Introduction:

A message specifying information relating to held inventories. The Inventory report message is intended to be used in either direction between trading partners.

#### Notes:

1st draft of the Electrical Appliances Industry (Applie-com) Message Implementation Guidelines.  
 2nd draft of Applie-com Inventory Report Message, following input from industry participants. Agreed at MIG Work Group meeting 1-3 May 2002.

#### Heading Section:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
26	0010	UNH	Message Header	M	M	1		
27	0020	BGM	Beginning of Message	M	M	1		
29	0030	DTM	Date/Time/Period	M	M	10		
	0070		Segment Group 2	C	R		20	

31	0080	NAD	Name and Address	M	M	1
	0160		Segment Group 5	C	D	5
34	0170	CUX	Currencies	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>
	0280		Segment Group 9	C	R		9999	
37	0290	LIN	Line Item	M	M	1		
38	0300	PIA	Additional Product Id	C	O	10		
40	0310	IMD	Item Description	C	O	10		
	0390		Segment Group 11	C	O		9999	
42	0400	QTY	Quantity	M	M	1		
43	0430	LOC	Place/Location Identification	C	O	5		
	0490		Segment Group 13	C	O		5	
45	0500	PRI	Price Details	M	M	1		
46	0670	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 Inventory report message is INVRPT.  
 Note: Inventory report messages conforming to this document must contain the following data in segment UNH, composite S009:  
 Data element 0065 INVRPT 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 Inventory Report based on the D.96A directory under the control of the United Nations.  
 DE 0057: Indicates that the message is the EANCOM version 004 of the UNSM Inventory Report.  
 Example :  
 UNH+ME000001+INVRPT:D:96A:UN:EAN004'

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0062		MESSAGE REFERENCE NUMBER	M an..14	M
		Senders unique message reference. Sequencenumber of the messages in the interchange.DE 0062 in the UNT will be identical. Sender generated.		
S009	0065	MESSAGE IDENTIFIER Message type identifier	M M an..6	M M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>INVRPT Inventory report message</i>		
	0052	Message type version number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>D Draft directory</i>		
	0054	Message type release number	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>96A Version 96A</i>		
	0051	Controlling agency	M an..2	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</i>		
	0057	Association assigned code	C an..6	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>EAN004 EAN version control number</i>		
0068		COMMON ACCESS REFERENCE	C an..35	X
S010		STATUS OF THE TRANSFER	C	X
	0070	Sequence message transfer number	M n..2	X
	0073	First/last sequence message transfer indication	C a1	X

**Segment:** **BGM** Beginning of Message  
**Position:** 0020  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment for unique identification of the Inventory Report document, name and its number.  
**Notes:** Segment Notes.

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

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

DE 1001: Code value 35 is used to report on the actual inventory held at the time the report is produced. Code value 78 is used to identify movements to and from inventory during the validity period defined.

DE 1004: It is recommended that the length of the 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 definition apply for the restricted code:

7= Duplicate - The message is duplicate of a previously generated message.

9 = Original - An original transmission of an inventory report.

31= Copy - Indicates that the message is a copy of an original message that has been sent, e.g. for action or information.

Example :

BGM+35+INVR21599+9'

Dependency Notes :

DE 3055: This data element is only used if an EAN code has been used in DE 1001.

### Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C002	1001	DOCUMENT/MESSAGE NAME	C	R
		Document/message name, coded	C an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST		

35

#### *Inventory report*

This code is used when one or all of the following types of data is reported in this message; stock on hand data, sales data or forecast sales data.

This message will cover all the above scenarios for data exchange. If there is to be specific applications e.g. pay-on-scan business practice, then it is recommended that the Sales Data Report be used, as it will be business practice specific.

The Applie-com business rules require that qualifiers for each of the data types, are to be found in the QTY segment below the LIN segment.

	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	D
		9 EAN (International Article Numbering association)			
	1000	Document/message name	C	an..35	X
1004		DOCUMENT/MESSAGE NUMBER	C	an..35	R
		Inventory Report number assigned by the document sender.			
1225		MESSAGE FUNCTION, CODED	C	an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		7 Duplicate			
		9 Original			
		31 Copy			
4343		RESPONSE TYPE, CODED	C	an..3	X

**Segment:** **DTM** Date/Time/Period  
**Position:** 0030  
**Group:**  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 10  
**Purpose:** Date/time/period related to the whole message. The segment must be specified at least once to identify the date at which the inventory report was issued.

**Notes:** Segment Notes.

THE APPLIE-COM GUIDELINES RECOMMEND THAT FOR THIS REPORT TO BE MOST BENEFICIAL, DATA TO BOTH PARTIES SHOULD BE PROVIDED ON A DAILY BASIS.

This segment is used to specify any dates relevant to the complete Inventory Report.

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

Example :

DTM+137:19971101:102'

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C507	2005	DATE/TIME/PERIOD	M	M
		Date/time/period qualifier	M an..3	M
		Identification of the 'Document/message date/time' (code value 137) is mandatory in the inventory report.		
		137	<i>Document/message date/time</i>	
		194	<i>Start date/time</i>	
		The business rules requires sodes 194 and 206 to be paired, to indicate the period for information exchange.		
		206	<i>End date/time</i>	
		The business rules requires sodes 194 and 206 to be paired, to indicate the period for information exchange.		
		366	<i>Inventory report date</i>	
2380		Date/time/period	C an..35	R
2379		Date/time/period format qualifier	C an..3	R
		102	<i>CCYYMMDD</i>	
		203	<i>CCYYMMDDHHMM</i>	

**Group:** **NAD** Segment Group 2: Name and Address  
**Position:** 0070  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 20  
**Purpose:** A group of segments identifying names, addresses and locations relevant to the whole message.

**Segment Summary**

	<b>Pos.</b>	<b>Seg.</b>		<b>Req.</b>	<b>Max.</b>	<b>Group:</b>
	<b><u>No.</u></b>	<b><u>ID</u></b>	<b><u>Name</u></b>	<b><u>Des.</u></b>	<b><u>Use</u></b>	<b><u>Repeat</u></b>
M	0080	NAD	Name and Address	M	1	

**Segment:** **NAD** Name and Address  
**Position:** 0080 (Trigger Segment)  
**Group:** SG2  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment for identifying names and addresses and their functions relevant for the whole Inventory Report. Indications of the parties involved is recommended for the Inventory Report message. They are to be given in the NAD segment. It is recommended that where possible only the coded form of the party ID should be specified.

**Notes:** Segment Notes.

This segment is used to identify the trading partners involved in the Inventory Report message. Identification of the parties exchanging the message is mandatory in EANCOM.

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

DE 3039: For identification of parties it is recommended to use EAN Global Location Numbers.

Example:  
 NAD+ST+9312345000012:::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		<b>PARTY QUALIFIER</b>	<b>M an..3</b>	<b>M</b>
		<i>ST</i>	<i>Ship to</i>	
			In Applie-com, this code is used to indicate the store.	
		<i>SU</i>	<i>Supplier</i>	
		<i>WH</i>	<i>Warehouse keeper</i>	
			In Applie-com, this code refers to the Buyer's warehouse.	
C082		<b>PARTY IDENTIFICATION DETAILS</b>	<b>C</b>	<b>Re</b>
	3039	<b>Party id. identification</b>	<b>M an..35</b>	<b>M</b>
		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.		

	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
		Party Name in clear text.			
	3036	Party name	C	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
		Building Name/Number and Street			
	3042	Street and number/p.o. box	C	an..35	X
		Name and/or P.O. Box			
	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
		City/Town, clear text.			
3229		COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	X
		County/State in clear text.			
3251		POSTCODE IDENTIFICATION	C	an..9	X
		Postal Code			
3207		COUNTRY, CODED	C	an..3	X
		ISO 3166 two alpha code.			

**Group:** **CUX** Segment Group 5: Currencies  
**Position:** 0160  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Dependent)  
**Max Use:** 5  
**Purpose:** A group of segments to indicate currencies used for financial evaluation.

**Segment Summary**

	<b>Pos.</b>	<b>Seg.</b>		<b>Req.</b>	<b>Max.</b>	<b>Group:</b>
	<b><u>No.</u></b>	<b><u>ID</u></b>	<b><u>Name</u></b>	<b><u>Des.</u></b>	<b><u>Use</u></b>	<b><u>Repeat</u></b>
M	0170	CUX	Currencies	M	1	

**Segment:** **CUX Currencies**  
**Position:** 0170 (Trigger Segment)  
**Group:** SG5  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment specifying currencies, and, if required, rates of exchange for the whole message, e.g., evaluation currency.  
**Notes:** Segment Notes.

\*\*\*APPLIE-COM BUSINESS RULE - IT IS RECOMMENDED THAT THE USE OF THIS SEGMENT IS ONLY FOR USE WHEN TRADING WITH OTHRE COUNTRIES. IT IS NOT RECOMMENDED FOR AUSTRALIAN DOMESTIC TRANSACTIONS

THE USE OF THE CUX SEGMENT IS DEPENDENT OF THE USE OF THE PRI SEGMENT AT ITEM LEVEL \*\*\*

This segment is used to specify the currencies in which prices in the Inventory Report are quoted.

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

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 the composite C504, with the target currency specified in the second occurrence of C504. The rate of exchange between the two is detailed in DE 5402.

The general rule for calculating the rate of exchange is as follows:  
 Reference Currency multiplied by Rate of Exchange = Target Currency.

Example :

- Where only the pricing currency needs to be identified for national trade.  
 CUX+2:BEF:10'
- For international trade, the pricing currency is identified as Pounds Sterling but the payment currency is to be Belgian Francs. The rate of exchange between the two is 48.50 Belgian Francs to 1 Pound Sterling.  
 CUX+2:GBP:10+3:BEF:11+48.50'

Dependency Notes :

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

5402: This 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	6347	CURRENCY DETAILS Currency details qualifier	C M an..3	R M
THIS HAS AN EANCOM RESTRICTED CODE LIST				

		2	<i>Reference currency</i>		
	6345	Currency, coded	C	an..3	R
		ISO 4217 3 alpha			
	6343	Currency qualifier	C	an..3	R
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		10	<i>Pricing currency</i>		
	6348	Currency rate base	C	n..4	X
C504		CURRENCY DETAILS	C		X
	6347	Currency details qualifier	M	an..3	X
		TIS HAS AN EANCOM RESTRICTED CODE LIST			
	6345	Currency, coded	C	an..3	X
		ISO 4217 3 alpha			
	6343	Currency qualifier	C	an..3	X
	6348	Currency rate base	C	n..4	X
5402		RATE OF EXCHANGE	C	n..12	X
		The rate of exchange which applies to the currency.			
	6341	CURRENCY MARKET EXCHANGE, CODED	C	an..3	X

**Group:** **LIN** Segment Group 9: Line Item  
**Position:** 0280  
**Group:**  
**Level:** 1  
**Usage:** Conditional (Required)  
**Max Use:** 9999  
**Purpose:** A group of segments providing detailed information on each line of the inventory report.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0290	LIN	Line Item	M	1	
O	0300	PIA	Additional Product Id	C	10	
O	0310	IMD	Item Description	C	10	
	0390		Segment Group 11: Quantity	C		9999

**Segment:** **LIN** Line Item  
**Position:** 0290 (Trigger Segment)  
**Group:** SG9  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment identifying a specific line item in the inventory report. All other segments in the detail section refer to the line item.  
**Notes:** Segment Notes.

This segment is used to identify a specific line item in the inventory report.

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

In a simple Inventory Report covering one location, the LIN segment will contain the product identification with related stock quantities specified using only the QTY and LOC segments in segment group 11.

In an extended Inventory Report covering multiple locations, an available option is to provide total stock quantities for all locations using the QTY and LOC segments in segment group 11, with the quantities per location further broken down using the full range of segments available in segment group 11.

Example :

LIN+1++9312345111114:EN'

Dependency Notes :

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

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
1082		<b>LINE ITEM NUMBER</b>	C n..6	O
		Application generated number of the count of the item lines within the Inventory Report.		
1229		<b>ACTION REQUEST/NOTIFICATION, CODED</b>	C an..3	X
C212		<b>ITEM NUMBER IDENTIFICATION</b>	C	R
	7140	<b>Item number</b>	C an..35	R
		Format n..14 EAN/UCC-8, UCC-12, EAN/UCC-13, or EAN/UCC-14 - this is the number of the article being ordered.		
		Applie-com restricts the use of only EAN/UCC numbers in DE7140. If none EAN.UCC numbers are used, then it is recommended that the PIA segment is used.		
	7143	<b>Item number type, coded</b>	C an..3	R
		<i>EN International Article Numbering Association (EAN)</i>		
		Use code EN, for any EAN/UCC number structure.		
	1131	<b>Code list qualifier</b>	C an..3	X
	3055	<b>Code list responsible agency, coded</b>	C an..3	X
C829		<b>SUB-LINE INFORMATION</b>	C	X
	5495	<b>Sub-line indicator, coded</b>	C an..3	X
	1082	<b>Line item number</b>	C n..6	X
1222		<b>CONFIGURATION LEVEL</b>	C n..2	X
7083		<b>CONFIGURATION, CODED</b>	C an..3	X

**Segment:** **PIA** Additional Product Id  
**Position:** 0300  
**Group:** SG9  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment to allow the transmission of additional product identification.  
**Notes:** Segment Notes.

This segment is used to specify additional item identification codes such as a buyer's or supplier's item number.

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

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 buyer's article number, an HIBC code, etc.

5 = Product identification - The given item is a number of equal importance or significance to the code provided in the LIN segment.

Examples :

PIA+1+ABC5343: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/UCC article number 9300862141400 provided in the LIN segment refers to the internal buyer's item number ABC5343.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4347		<b>PRODUCT ID. FUNCTION QUALIFIER</b>	M an..3	M
		THIS HAS AN EANCOM RESTRICTED CODE LIST		
		<i>1 Additional identification</i>		
		<i>5 Product identification</i>		
C212		<b>ITEM NUMBER IDENTIFICATION</b>	M	M
	7140	Item number	C an..35	R
	7143	Item number type, coded	C an..3	R
		<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
C212		<b>ITEM NUMBER IDENTIFICATION</b>	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		<b>ITEM NUMBER IDENTIFICATION</b>	C	X
	7140	Item number	C an..35	X
	7143	Item number type, coded	C an..3	X

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

**Segment:** **IMD** Item Description  
**Position:** 0310  
**Group:** SG9  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 10  
**Purpose:** A segment for describing the item.  
**Notes:** Segment Notes.

This segment is used to describe the current line item.

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

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

Example :

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

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
7077		ITEM DESCRIPTION TYPE, CODED <i>F Free-form</i>	C an..3	O
7081		ITEM CHARACTERISTIC, CODED	C an..3	X
C273		ITEM DESCRIPTION	C	Re c
	7009	Item description identification <i>CU Consumer unit (EAN Code)</i>	C an..17	O
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded <i>9 EAN (International Article Numbering association)</i>	C an..3	O
	7008	Item description Specify the description of the item.	C an..35	O
	7008	Item description Use the second iteration of DE7008 if details cannot be specified in total in the first occurrence of DE7008.	C an..35	O
	3453	Language, coded	C an..3	X
7383		SURFACE/LAYER INDICATOR, CODED	C an..3	X

**Group:** **QTY** Segment Group 11: Quantity  
**Position:** 0390  
**Group:** Segment Group 9 (Line Item) Conditional (Required)  
**Level:** 2  
**Usage:** Conditional (Optional)  
**Max Use:** 9999  
**Purpose:** A group of segments providing quantity, and optionally package details, line item currencies and references.

**Segment Summary**

	<b>Pos.</b>	<b>Seg.</b>	<b>Name</b>	<b>Req.</b>	<b>Max.</b>	<b>Group:</b>
	<b>No.</b>	<b>ID</b>	<b>Name</b>	<b>Des.</b>	<b>Use</b>	<b>Repeat</b>
M	0400	QTY	Quantity	M	1	
O	0430	LOC	Place/Location Identification	C	5	
	0490		Segment Group 13: Price Details	C		5

**Segment:** **QTY** Quantity  
**Position:** 0400 (Trigger Segment)  
**Group:** SG9-SG11  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to provide quantity information, suitably qualified for the product referred to by the LIN segment, e.g., opening quantity, closing quantity, etc.  
**Notes:** Segment Notes.

This segment is used to express the quantities related to the current line item.

Example :

QTY+145:25'

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C186	6063	QUANTITY DETAILS Quantity qualifier	M M an..3	M M
		47 <i>Invoiced quantity</i> The quantity based on invoiced date relevant to the dates specified in the DTM segment.		
		113 <i>Quantity to be delivered</i> This is the quantity at the time the Inventory Report is being generated.		
		145 <i>Actual stock</i>		
		153 <i>Statistical sales quantity</i>		
		38E <i>Forecast sales quantity (EAN Code)</i>		
	6060	Quantity	M n..15	M
	6411	Measure unit qualifier	C an..3	X

**Segment:** **LOC** Place/Location Identification  
**Position:** 0430  
**Group:** SG9-SG11  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A segment indicating details regarding specific place or location of the quantity referred to in QTY.  
**Notes:** Segment Notes.

This segment is used to identify the location of inventoried goods specific to the quantity reported in the QTY segment.

When identifying locations it is recommended to use EAN location numbers.

Example :

LOC+18+9312345000012::9'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3227		PLACE/LOCATION QUALIFIER	M an..3	M
		18 Warehouse		
		162 Place or location of sale		
C517		LOCATION IDENTIFICATION	C	Re c
	3225	Place/location identification	C an..25	Rec
		EAN Location Code - Format n13		
		While it is recommended that EAN Global Location Numbers be used to identify specific locations, due to migration reasons Buyer Assigned and Supplier Assigned ids (as allowed by EANCOM) may be used.		
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	O
		9 EAN (International Article Numbering association)		
		91 Assigned by seller or seller's agent		
		92 Assigned by buyer or buyer's agent		
C519	3224	Place/location	C an..70	X
		RELATED LOCATION ONE IDENTIFICATION	C	X
	3223	Related place/location one identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
C553	3222	Related place/location one	C an..70	X
		RELATED LOCATION TWO IDENTIFICATION	C	X
	3233	Related place/location two identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3232	Related place/location two	C an..70	X
5479		RELATION, CODED	C an..3	X

**Group:** **PRI** Segment Group 13: Price Details  
**Position:** 0490  
**Group:** Segment Group 11 (Quantity) Conditional (Optional)  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 5  
**Purpose:** A group of segments to provide price/cost/value information.

**Segment Summary**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
M	0500	PRI	Price Details	M	1	

**Segment:** **PRI** Price Details  
**Position:** 0500 (Trigger Segment)  
**Group:** SG9-SG11-SG13  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to provide the price/cost/value, suitable qualified.  
**Notes:** Segment Notes.

THIS IS AN OPTIONAL SEGMENT, DEPENDENT ON THE ARRANGEMENTS BETWEEN TRADING PARTNERS.

The segment is used to specify the price information for the current line item.

Example :

PRI+AAA:2450'

Note 1 : The price stated is the gross price excluding all allowances, charges and taxes. Allowances and charges must be stated for net calculation purposes.

Dependency Notes :

Data elements 5284 and 6411 are used when a product is a variable quantity product, e.g. price per 200 kilos, or when the unit of measure for purchasing, delivery, and invoicing are different for a product, e.g. sugar is not a variable quantity product but ordered and delivered in packs, and invoiced in kilos or tonnes.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>	
C509	5125	PRICE INFORMATION	C	R	
		Price qualifier AAA	M an..3	M	
			<i>Calculation net</i>		
			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 included 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 position.		
	5213	5118	Price	C n..15	R
		For Applie-com the price stated is the average price related to the quantity stated.			
5375		Price type, coded	C an..3	X	
5387		Price type qualifier	C an..3	X	
5284		Unit price basis	C n..9	X	
	6411	Measure unit qualifier	C an..3	X	
		SUB-LINE PRICE CHANGE, CODED	C an..3	X	

**Segment:** **UNT** Message Trailer  
**Position:** 0670  
**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+25+ME000001'

**Data Element Summary**

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

## 14.0 Sample Applie-com INVENTORY Message

### UN/EDIFACT DATA LAYOUT

UNH+12345+INVRPT:D:96A:UN:EAN004'  
 BGM+35:+INVDOC1+9'  
 DTM+137:200110241000:203'  
 DTM+366:20011020:102'  
 NAD+WH+1234567890123::9'  
 NAD+SU+9312345678902::9'  
 LIN+1++9311111000012:EN'  
 PIA+1+SKU03:IN'  
 IMD+F++CU::9:U BEAUTE RADIO:HIS MASTERS VOICE'  
 QTY+145:542'  
 LOC+18+BOTANY DEPOT:91'  
 PRI+AAA:35.50'  
 LIN+2++9311111000023:EN'  
 PIA+1+SKU006:IN'  
 IMD+F++CU::9:U BEAUTE WELL DONE TOASTER:FOUR SLICES'  
 QTY+145:4600'  
 LOC+18+BOTANY DEPOT:91'  
 PRI+AAA:45.80'  
 UNT+19+12345'

### DESCRIPTION

System generated sequence number for the message, 12345  
 Report number is INVDOC1 and is an original  
 Date/time of message is 24<sup>th</sup> October 2001, 10:00am  
 Date when inventory “snap-shot” taken 20<sup>th</sup> October 2001  
 Buyer’s warehouse id is 1234567890123  
 Supplier’s id is 9312345678902  
 1<sup>st</sup> item is 9311111000012  
 Buyer’s article number for same item is SKU03  
 Description is U Beaute Radio, His Masters Voice  
 Actual stock quantity in supplier’s location is 542  
 Location of stock is at Botany Depot  
 Unit price, excluding GST is \$35.50  
 2<sup>nd</sup> item is 9311111000023  
 Buyer’s article number for same item is SKU006  
 Description is U Beaute Well Done Toaster, Four Slices  
 Actual stock quantity in supplier’s location is 4600  
 Location of stock is at Botany Depot  
 Unit price, excluding GST is \$45.80  
 Number if segments in message is 19