

**Inventory Report**  
**Message Implementation Guideline**  
*(Based on the EANCOM 1997 Guideline using  
UN/EDIFACT Directory D.96A)*  
**for the**  
**Automotive Aftermarket**  
**Supply Chain Improvement Project**

***v1.0***

***December 2003***

## Automotive Aftermarket Industry Message Implementation Guidelines

### 1. 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 Automotive Aftermarket Industry.

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

EAN Australia  
2 Kingston Town Close, Oakleigh  
Victoria, 3166, Australia  
Telephone: 1300 366 033  
Facsimile: (03) 9569 1525  
E-mail address: [eanaustr@ean.com.au](mailto:eanaustr@ean.com.au)  
Internet Web Site: [www.ean.com.au](http://www.ean.com.au)

This EDI MIG has been developed as part of the Automotive Aftermarket Industry B2B E-Commerce Project facilitated by EAN Australia and Australian Automotive Aftermarket Association.

Automotive Aftermarket Industry Working Group members included the following organisations:

• Automotive Aftermarket Association Australia (AAAA)	• Repco
• Coventry Group	• GUD
• Robert Bosch	• Auto One
• Super Cheap Auto	• Septone Products
• NGK Spark Plugs	• National Parts
• Marlows	• Autobarn
• Auto Concepts	• Mark IV Automotive
• Burson	

### 2. Disclaimer

Every possible effort has been made to ensure that the information and specifications in this document are correct, however the Automotive Aftermarket Industry Working and EAN Australia 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, omissions or additions.

### **3. Change Control**

**4. Data Content and Structure**

UNH	Message Header
BGM	Inventory report type document, duplicate, original or copy
DTM	Message, report, start and end dates
NAD	Parties & locations: BY – buyer (store or buying group), SU-supplier, ST – (physical location to where goods were shipped), WH (Distribution Centre that has responsibility for the stock being reported on)

Detail Section

<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;">LIN</td> <td></td> </tr> <tr> <td>PIA</td> <td></td> </tr> <tr> <td>IMD</td> <td></td> </tr> <tr> <td></td> <td style="border: 1px solid black; padding: 2px;">QTY</td> </tr> <tr> <td></td> <td style="border: 1px solid black; padding: 2px;">GIN</td> </tr> <tr> <td></td> <td style="border: 1px solid black; padding: 2px;">LOC</td> </tr> <tr> <td></td> <td style="border: 1px solid black; padding: 2px;">DTM</td> </tr> <tr> <td>PRI</td> <td></td> </tr> </table>	LIN		PIA		IMD			QTY		GIN		LOC		DTM	PRI		<p>GTIN identifying item (as per PO)</p> <p>Additional product identification (as per PO)</p> <p>Product Description (as per PO)</p> <p>Quantities: on order, yet to be delivered, actual stock, actual sales, forecast sales</p> <p>Serial #s of stock on hand</p> <p>Warehouse or store location for this item (overrides reporting location in header)</p> <p>Delivery date for ordered stock, and validity period for historical or forecast figures.</p> <p>Retail price</p>
LIN																	
PIA																	
IMD																	
	QTY																
	GIN																
	LOC																
	DTM																
PRI																	

UNT

## 5. Reading this Document

### Introduction to UN/EDIFACT terminology:

A UN/EDIFACT (ISO 9735) file is called an “*interchange*”. This is the EDI terminology. The interchange is made up of *segments*, which is also an EDI term equivalent to the term “record”.

An interchange starts with an interchange header segment called “UNB” and terminates with an interchange trailer segment called “UNZ”. Within the UNB – UNZ envelope are the segments that comprise either functional groups (not being used by Hardware) or the electronic EDI business *messages* themselves. Each business message begins with a header “UNH” segment and terminates with a trailer “UNT” segment. In between the message header and trailer are the user segments containing the business data.

Sample below<sup>1</sup>:

UNB	(start of interchange)
UNH	(start of first business message)
.....user segments	
UNT	(end of first business message)
UNH	(start of second business message)
.....user segments	
UNT	(end of second business message)
UNZ	(end of interchange)

Segments are made up of one or more data *elements*. Each data element in a segment is separated by a plus (+) symbol. A data element can be made up of *components*, which are separated from each other by a colon (:). Segments are terminated by the apostrophe (‘). See data stream examples in sample message and on segments in the MIG.

UN/EDIFACT segments are given a *Base Status*, whilst the segments are given *Base Attributes*.

### Base Status/Attributes:

M - Mandatory: this segment/element must always be sent<sup>2</sup>

C- Conditional: this segment/element may be sent, see User Status/User Attributes (below)

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<sup>1</sup> This Message Implementation Guideline (MIG) does not include the specifications for the interchange segments (UNB & UNZ) as typically they are generated automatically and contain the addressing data required to deliver the interchange across the communications medium being used to exchange messages between trading partners. Many users use their EAN company Global Location Number (GLN) for addressing purposes.

<sup>2</sup> Note that a segment with status “M” may occur in a group with status “C” so if the group is not used, then the segment is not used either. However if the group is used the segment must be used. Similarly with data elements.

## Automotive Aftermarket Industry Message Implementation Guidelines

### This Message Implementation Guideline (MIG):

Only those segments in the standard message to be used in this MIG are specified, any segments not used have been omitted for readability. Within the detailed specification of each segment, all data elements are identified, even if they are not used, as placement of data elements within a segment is critical. The *User Status/Attribute* (see below) will indicate whether a particular segment or element is sent or not.

#### User Status/Attributes:

- M - Mandatory: Base Status/Attribute is mandatory so user status must also be mandatory
- R - Required: Base Status/Attribute is Conditional, but for this MIG it must always be sent
- D - Dependent: must or may be sent where stated conditions apply
- O - Optional: may be sent, by agreement between parties
- X - Not Used: never sent

#### **Notation:**

Wherever possible notes have been inserted into the MIG content (shown as shaded) to clarify how the data is to be used as well as any business rules to follow.

Most segments have a shaded block of notes at the beginning of the segment. Much of this is automatically generated text from the EANCOM superset on which this MIG is based. In some cases there are descriptions of data element or code usage that are not available for usage in this MIG.

As such, please use as your primary reference, the data element specification, which begins in each segment immediately below the heading “Data Element Summary”.

### **6. Required (Mandatory) Data**

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.

<b>Business descriptor name</b>	<b>Segment</b>
Header	
Inventory Report flag	BGM
Inventory Report number	BGM
Message Function (e.g. Original, copy etc.)	BGM
Inventory Report message date	DTM (header)
Buyer & Supplier identification (reporting location if not at detail)	NAD, grp2
Line Item	
Product identifier (EAN GTIN or proprietary) and type	LIN or PIA, grp9
Reporting location if not in header	LOC, grp 11
Reported quantity; at least one of - on order OR to be delivered OR stock on hand OR historical sales OR forecast sales quantity	QTY, grp11

7. Sample Messages

UNB+UNOA:3+9377770001799:14+937777000180C:14+020622:1336+INT5'	Interchange Header segment for interchange INT5, includes trading partner addressing
UNH+10+INVRPT:D:96A:UN:EAN004'	Message Header with UN/EDIFACT message type and directory version
BGM+35+INV-10+9'	Original inventory report # INV-10
DTM+137:20030113:102'	Date of message is 13 <sup>th</sup> Jan 2003
DTM+194:20030106:102'	For period starting 6 <sup>th</sup> Jan 2003
DTM+206:20030113:102'	Until the 13 <sup>th</sup> Jan 2003
NAD+BY+STORE-1::92'	Buyer is STORE-1
NAD+ST+STORE-1::92'	Reporting ship-to location is STORE-1
NAD+SU+937777000182C::9'	Supplier identified by EAN Global Location Number
LIN+1++931234567890C:EN'	1 <sup>st</sup> line item, identified by EAN Global Trade Item Number (GTIN)
IMD++++::SPORTS SEATS'	Item description
QTY+145:2'	Actual stock on hand quantity is 2
LIN+2++931234567891C:EN'	2 <sup>nd</sup> line item , identified by EAN Global Trade Item Number (GTIN)
IMD++++::STEERING WHEEL, LEATHER, 23CM'	Item description
QTY+145:2'	Actual stock on hand quantity is 2
QTY+153:6'	Quantity sold over reporting period is 6
QTY+21:4'	Quantity currently on order, yet to be delivered is 4
LIN+3++931234567892C:EN'	3 <sup>rd</sup> line item, identified by EAN Global Trade Item Number (GTIN)
IMD++++::CAR RADIO, BRAND X'	Item description
QTY+145:2'	Actual stock on hand quantity is 2
QTY+21:1'	Quantity currently on order, yet to be delivered is 1
GIN+BN+SERIAL NUMBER1:SERIAL NUMBER2'	Serial #s of the two in stock
LOC+18+934545454321C::9'	Reporting location (overrides reporting location in header) is the warehouse
DTM+2:20030117:102'	The requested delivery date for the stock on order is 17 <sup>th</sup> Jan 2003.
UNT+23+10'	Message trailer, segment count and control field
UNZ+1+INT5'	Interchange trailer and control fields

## **8. Implementation Notes:**

### Retail Basis for Automotive Aftermarket MIGs:

Note that each Automotive Aftermarket Industry MIG has been based on existing Retail (grocery and general merchandise) MIGs. This is because the retail industry has had experience in implementation and are common customers with many Automotive Aftermarket Industry suppliers.

When trading with Retail industry customers, it may be necessary to either send extra data as required by the retailer, or it may be that as a Automotive Aftermarket supplier you require extra data to be sent to you by the retailer.

For suppliers, all data required to be sent to the general merchandise retailers has been included in these MIGs to comply with their data receipt requirements. On the receiving side, there is very little data that has been added to these MIGs that is not currently supported in the Retail MIGs.

# INVRPT Inventory Report Message

## Notes:

1st draft of The Automotive Aftermarket Industry Message Implementation Guidelines March 2003

## 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>
10	0010	UNH	Message Header	M	M	1		
11	0020	BGM	Beginning of Message	M	M	1		
13	0030	DTM	Date/Time/Period	M	M	10		
	0070		Segment Group 2	C	R		20	
15	0080	NAD	Name and Address	M	M	1		
	0160		Segment Group 5	C	D		5	
18	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	
21	0290	LIN	Line Item	M	M	1		
22	0300	PIA	Additional Product Id	C	O	10		
24	0310	IMD	Item Description	C	O	10		
	0390		Segment Group 11	C	O		9999	
26	0400	QTY	Quantity	M	M	1		
27	0430	LOC	Place/Location Identification	C	O	5		
	0490		Segment Group 13	C	O		5	
29	0500	PRI	Price Details	M	M	1		
30	0670	UNT	Message Trailer	M	M	1		

Automotive Aftermarket Industry Message Implementation Guidelines

**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

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

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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		
		<i>Inventory report</i>		
		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 The Automotive Aftermarket Industry's business rules require that qualifiers for each of the data types, are to be found in the QTY segment below the LIN segment.		

**Automotive Aftermarket Industry Message Implementation Guidelines**

	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	D
		9 <i>EAN (International Article Numbering association)</i>			
	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 <i>Duplicate</i>			
		9 <i>Original</i>			
		31 <i>Copy</i>			
4343		RESPONSE TYPE, CODED	C	an..3	X

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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 AUTOMOTIVE AFTERMARKET INDUSTRY 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
2379	Date/time/period format qualifier		C an..3	R	
	102	<i>CCYYMMDD</i>			
	203	<i>CCYYMMDDHHMM</i>			

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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	

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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>	
			The Automotive Aftermarket Industry recommends the use of this code, to indicate the store.	
		<i>SU</i>	<i>Supplier</i>	
		<i>WH</i>	<i>Warehouse keeper</i>	
			The Automotive Aftermarket recommends, this code to refer 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>c</b>
		EAN Global Location Number - Format n13		
		The Automotive Aftermarket Industry 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.		
		The Automotive Aftermarket Industry 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.		

**Automotive Aftermarket Industry Message Implementation Guidelines**

		For new participants to electronic data exchange, it is recommended that if non-GLNs are the only option, then use RFF in LOC to specify the non-EAN party id.		
	1131	<b>Code list qualifier</b>	C an..3	X
	3055	<b>Code list responsible agency, coded</b>	C an..3	R
		<b>THIS HAS AN EANCOM RESTRICTED CODE LIST</b>		
		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		<b>NAME AND ADDRESS</b>	C	X
	3124	<b>Name and address line</b>	M an..35	X
	3124	<b>Name and address line</b>	C an..35	X
	3124	<b>Name and address line</b>	C an..35	X
	3124	<b>Name and address line</b>	C an..35	X
	3124	<b>Name and address line</b>	C an..35	X
C080		<b>PARTY NAME</b>	C	X
	3036	<b>Party name</b>	M an..35	X
		Party Name in clear text.		
	3036	<b>Party name</b>	C an..35	X
	3036	<b>Party name</b>	C an..35	X
	3036	<b>Party name</b>	C an..35	X
	3036	<b>Party name</b>	C an..35	X
	3045	<b>Party name format, coded</b>	C an..3	X
C059		<b>STREET</b>	C	X
	3042	<b>Street and number/p.o. box</b>	M an..35	X
		Building Name/Number and Street		
	3042	<b>Street and number/p.o. box</b>	C an..35	X
		Name and/or P.O. Box		
	3042	<b>Street and number/p.o. box</b>	C an..35	X
	3042	<b>Street and number/p.o. box</b>	C an..35	X
3164		<b>CITY NAME</b>	C an..35	X
		City/Town, clear text.		
3229		<b>COUNTRY SUB-ENTITY IDENTIFICATION</b>	C an..9	X
		County/State in clear text.		
3251		<b>POSTCODE IDENTIFICATION</b>	C an..9	X
		Postal Code		
3207		<b>COUNTRY, CODED</b>	C an..3	X
		ISO 3166 two alpha code.		

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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>No.</b>	<b>ID</b>	<b>Name</b>	<b>Des.</b>	<b>Use</b>	<b>Repeat</b>
M	0170	CUX	Currencies	M	1	

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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.

\*\*\*THE AUTOMOTIVE AFTERMARKET INDUSTRY'S 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 :

1. Where only the pricing currency needs to be identified for national trade.

CUX+2:BEF:10'

2. 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				

Automotive Aftermarket Industry Message Implementation Guidelines

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

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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.</b>	<b>Seg.</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	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

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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++931234511114: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> Application generated number of the count of the item lines within the Inventory Report.	C n..6	O
1229		<b>ACTION REQUEST/NOTIFICATION, CODED</b>	C an..3	X
C212		<b>ITEM NUMBER IDENTIFICATION</b>	C	R
	7140	<b>Item number</b> Format n..14 EAN/UCC-8, UCC-12, EAN/UCC-13, or EAN/UCC-14 - this is the number of the article being ordered.  The Automotive Aftermarket Industry restricts the use of only EAN/UCC numbers in DE7140. If none EAN.UCC numbers are used, then it is recommended that the PIA segment is used.	C an..35	R
	7143	<b>Item number type, coded</b> <i>EN International Article Numbering Association (EAN)</i> Use code EN, for any EAN/UCC number structure.	C an..3	R
	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

Automotive Aftermarket Industry Message Implementation Guidelines

**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	<b>Item number</b>	C an..35	R
	7143	<b>Item number type, coded</b>	C an..3	R
		<i>IN Buyer's item number</i>		
		<i>SA Supplier's article number</i>		
	1131	<b>Code list qualifier</b>	C an..3	X
	3055	<b>Code list responsible agency, coded</b>	C an..3	X
C212		<b>ITEM NUMBER IDENTIFICATION</b>	C	X
	7140	<b>Item number</b>	C an..35	X
	7143	<b>Item number type, coded</b>	C an..3	X
	1131	<b>Code list qualifier</b>	C an..3	X
	3055	<b>Code list responsible agency, coded</b>	C an..3	X
C212		<b>ITEM NUMBER IDENTIFICATION</b>	C	X
	7140	<b>Item number</b>	C an..35	X
	7143	<b>Item number type, coded</b>	C an..3	X

**Automotive Aftermarket Industry Message Implementation Guidelines**

	1131	Code list qualifier	C	an..3	X
	3055	Code list responsible agency, coded	C	an..3	X
<b>C212</b>		<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
<b>C212</b>		<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

Automotive Aftermarket Industry Message Implementation Guidelines

**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

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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>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

**Automotive Aftermarket Industry Message Implementation Guidelines**

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

Automotive Aftermarket Industry Message Implementation Guidelines

**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

Data Element	Component Element	Name	Base Attributes	User Attributes
3227		PLACE/LOCATION QUALIFIER	M an..3	M
		<i>18 Warehouse</i>		
		<i>162 Place or location of sale</i>		
C517		LOCATION IDENTIFICATION	C	Rec
	3225	Place/location identification EAN Location Code - Format n13	C an..25	Rec
		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
		<i>9 EAN (International Article Numbering association)</i>		
		<i>91 Assigned by seller or seller's agent</i>		
		<i>92 Assigned by buyer or buyer's agent</i>		
	3224	Place/location	C an..70	X
C519		RELATED LOCATION ONE IDENTIFICATION	C	X
	3223	Related place/location one identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3222	Related place/location one	C an..70	X
C553		RELATED LOCATION TWO IDENTIFICATION	C	X
	3233	Related place/location two identification	C an..25	X
	1131	Code list qualifier	C an..3	X
	3055	Code list responsible agency, coded	C an..3	X
	3232	Related place/location two	C an..70	X
5479		RELATION, CODED	C an..3	X

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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.</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	0500	PRI	Price Details	M	1	

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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	M	M	
		AAA			
			<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.		
			The Automotive Aftermarket recommends two decimal positions when stating the price, however it allows a maximum of four decimal positions or a minimum of zero decimal position.		
		5118	Price	C n..15	R
			For the Automotive Aftermarket industry, 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	
5213		SUB-LINE PRICE CHANGE, CODED	C an..3	X	

**Automotive Aftermarket Industry Message Implementation Guidelines**

**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.		