Control Message

Message Implementation Guideline

(Based on the EANCOM 1997 Guideline using UN/EDIFACT Directory D.96A)

for the Automotive Aftermarket

Supply Chain Improvement Project

Version 1.0

March 2005

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:

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This EDI MIG has been developed as part of the Automotive Aftermarket Industry Supply Chain Improvement Project (B2B E-Commerce Project).

Input into the content of this document was provided by:

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

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 Supply Chain Improvement Steering Committee 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

Document Revision #	Date	Section Modified	Nature of Change/Comment	Revision Author
V 1.0	30th March 2005	UCI	DE 0083, Removal of Action Code 1	Tania Snioch
V1.0	30th March 2005	UCI	DE 0083, Addition of Action Code 8	Tania Snioch

4. Data Content and Structure

Used to acknowledge and syntactically accept/reject an entire interchange or optionally individual messages within an interchange.

UNH	Message Header
UCI	Interchange response; used to acknowledge and accept/reject the interchange.
Detail Section	
UCM	Message response; used to acknowledge and accept/reject specific messages in an interchange
UNT	Message Trailer

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 at trailer "UNT" segment. In between the message header and trailer are the user segments containing the business data.
Sample below[1]:

```
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[2]
C - Conditional: this segment/element may be sent, see User Status/User Attributes (below)

[1] 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.

[2] 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.

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.

Business descriptor name	**Segment**
Header	
Interchange Sender and Recipient (of original interchange)	UCI
Acknowledgement code	UCI

7. Sample Message

UNB+UNOA:3+9377770001799:14+9377770001 80C:14+020622:1336+INT50'	Interchange Header for the Control message itself.
UNH+1234+CONTRL:2:2:UN:EAN002'	Message Header for the Control Message
UCI+INT1+9377770001799:14+9377770001829:14+7'	Echo of data in UNB segment of interchange INT1 being acknowledged as accepted.
UNT+3+1234'	Message Trailer for the Control Message
UNZ+1+INT50'	Interchange Trailer for the Control message.

CONTRL Control message

Notes:

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Business Rules of the Automotive Aftermarket Industry:

- A CONTROL MESSAGE IS RECOMMENDED TO ACKNOWLEDGE EVERY INTERCHANGE BETWEEN TRADING PARTNERS.

Heading Section:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
2	0010	UNH	Message Header	M	M	1		
3	0020	UCI	INTERCHANGE RESPONSE	M	M	1		

Detail Section:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
	0040		Segment Group 1	C	O		999999	
5	0050	UCM	MESSAGE RESPONSE	M	M	1		

Summary Section:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
6	0100	UNT	Message Trailer	M	M	1		

Segment: **UNH** **Message Header**
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To head, identify and specify a message.

Data Element Summary

Data Element	Component Element	Name	Base Attributes		User Attributes
0062		**MESSAGE REFERENCE NUMBER**	**M**	**an..14**	**M**
		Senders unique message reference. Sequence number of messages in the interchange. DE 0062 in the UNT will have the same value. Generated by the sender.			
S009		**MESSAGE IDENTIFIER**	**M**		**M**
	0065	**Message type identifier**	**M**	**an..6**	**M**
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		CONTRL ***Syntax and service report message***			
	0052	**Message type version number**	**M**	**an..3**	**M**
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		2 ***Version 2***			
	0054	**Message type release number**	**M**	**an..3**	**M**
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		2 ***Release 2***			
	0051	**Controlling agency**	**M**	**an..2**	**M**
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		UN ***UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)***			
	0057	**Association assigned code**	**C**	**an..6**	**O**
		THIS HAS AN EANCOM RESTRICTED CODE LIST			
		EAN002 ***EAN Version Control Number.***			
0068		**COMMON ACCESS REFERENCE**	**C**	**an..35**	**X**
S010		**STATUS OF THE TRANSFER**	**C**		**X**
	0070	**Sequence message transfer number**	**M**	**n..2**	**X**
	0073	**First/last sequence message transfer indication**	**C**	**a1**	**X**

Segment: **UCI** **INTERCHANGE RESPONSE**
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose:
Notes: To identify the subject interchange, to indicate the acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and to identify any error related to these segments. Depending on the action code it may also indicate the action taken on the functional groups and messages within that interchange.

Data Element Summary

Data Element	Component Element	Name	Base Attributes		User Attributes
0020		**INTERCHANGE CONTROL REFERENCE**	**M**	**an..14**	**M**
S002		**INTERCHANGE SENDER**	**M**		**M**
	0004	**Sender identification**	**M**	**an..35**	**M**
		EAN Location and EC Number (EAN-13)			
	0007	**Partner identification code qualifier**	**C**	**an..4**	**O**
		14 ***EAN International***			
	0008	**Address for reverse routing**	**C**	**an..14**	**O**
S003		**INTERCHANGE RECIPIENT**	**M**		**M**
	0010	**Recipient identification**	**M**	**an..35**	**M**
		EAN Location and EC Number (EAN-13)			
	0007	**Partner identification code qualifier**	**C**	**an..4**	**O**
		14 ***EAN International***			
	0014	**Routing address**	**C**	**an..14**	**O**
0083		**ACTION, CODED**	**M**	**an1**	**M**
		4 ***This level and all lower levels rejected***			
		7 ***This level acknowledged, next lower level acknowledged if not explicitly rejected***			
		8 ***Interchange acepted***			
0085		**SYNTAX ERROR, CODED**	**C**	**an1**	**X**
0013		**SEGMENT TAG, CODED**	**C**	**an1**	**X**
S011		**DATA ELEMENT POSITION**	**C**		**X**
	0098	**Erroneous data element position insegment**	**M**	**an1**	**X**
	1004	**Document/message number**	**C**	**an..35**	**X**

Group: **UCM** **Segment Group 1: MESSAGE RESPONSE**
Position: 0040
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 999999
Purpose: A group of segments sent in response to a message in the interchange identified in the UCI segment. This segment group is only used if the subject interchange does not contain functional groups.
Notes: Segment group is optional as it is optional to acknowledge at individual message level within an interchange.

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
M	0050	UCM	MESSAGE RESPONSE	M	1	

Segment: **UCM** **MESSAGE RESPONSE**
Position: 0050 (Trigger Segment)
Group: SG1
Level: 1
Usage: Mandatory
Max Use: 1
Purpose:
Notes: To identify a message in the subject interchange, to indicate that message's acknowledgement or rejection (action taken), and to identify any error related to the UNH and UNT segments.

Data Element Summary

Data Element	Component Element	Name		Base Attributes		User Attributes
0062		**MESSAGE REFERENCE NUMBER**		**M**	**an..14**	**M**
S009		**MESSAGE IDENTIFIER**		**M**		**M**
	0065	**Message type identifier**		**M**	**an..6**	**M**
		For example . . .				
		ORDERS	***Purchase order message***			
		ORDRSP	***Purchase order response message***			
	0052	**Message type version number**		**M**	**an..3**	**M**
		For example . . .				
		D	***Draft directory***			
	0054	**Message type release number**		**M**	**an..3**	**M**
		For example . . .				
		96A	***Version 96A***			
	0051	**Controlling agency**		**M**	**an..2**	**M**
		UN	***UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)***			
	0057	**Association assigned code**		**C**	**an..6**	**R**
		For Example "EAN008"				
0083		**ACTION, CODED**		**M**	**an1**	**M**
		4	***This level and all lower levels rejected***			
		7	***This level acknowledged, next lower level acknowledged if not explicitly rejected***			
0085		**SYNTAX ERROR, CODED**		**C**	**an1**	**X**
0013		**SEGMENT TAG, CODED**		**C**	**an1**	**X**
S011		**DATA ELEMENT POSITION**		**C**		**X**
	0098	**Erroneous data element position in segment**		**M**	**an1**	**X**
	1004	**Document/message number**		**C**	**an..35**	**X**

Segment: **UNT** **Message Trailer**
Position: 0100
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of a message.
Notes: Segment Notes.

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

Example :

UNT+10+ME000001'

Data Element Summary

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