



CONTRL Message - EANCOM 2002

Version: 1.4

Author: Robin Anson

Metcash Trading Ltd

**Syntax & Service Report
Message Implementation
Guideline**

**EANCOM 2002
(Based on UN/EDIFACT Directory D.01B)**

Introduction

This document contains the Message Implementation Guidelines (MIG) for Metcash Syntax and Service Report Message.

These MIGs are based on EANCOM 2002 Guideline using UN/EDIFACT Directory D.01B.

Further information can be obtained from:

Nathan Aylett
Metcash Trading Limited
Phone: (02) 9741-3591
Email: nathan.aylett@metcash.com

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

Acknowledgement:

This Message Implementation Guide (MIG) is based on the EANCOM® 2002 Australian Retail Industry Implementation Guidelines for the Syntax & Service Report Message derived from the international UN/EDIFACT directory D.01B. Visit the GS1 Australia website at

http://www.gs1au.org/information_library/message_implementation_guidelines.asp

or contact GS1 Help Desk for more information or to download all other standard guidelines used by the Australian Retail Industry.

This MIG is GS1 Australia compliant, see certification below.



www.gs1au.org
1300 366 033

The following message implementation guideline (MIG) has been reviewed by GS1 Australia and is deemed to be both structurally and syntactically compliant with EANCOM2002 (based on UN/EDIFACT D.01B). This review does not include the alignment of segment, data element and code usage with other industries or other trading hubs.

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Change Control

Date	Version	Comments
Jun-13	1.4	Corrected example Qualifiers to show ZZ in UNB & UCI segments
		Sample Files - Updated to reflect all of the above changes
Apr-13	1.3	Qualifier ZZ vs 14 (UNB) - Re-word to define that whatever Qualifier is received on Metcash PO is the Qualifier required on all subsequent docs
		Reverse Routing (UNB) - Changed requirement for Reverse Routing on all Inbound documents to be Optional (O) as it is not required by Metcash
		Sample Files - Updated to reflect all of the above changes
		Contact Details - Correction to the Metcash eBusiness Team email address
Feb-13	1.2	Updated MIG example EDI Control Messages with samples from Metcash CMT environment - Control Inbound & Control Outbound
Dec-12	1.1	MIG document reviewed prior to Metcash eTrade project implementation
		Contact details updated
Nov-08	1.0	Release version with corrected compliance statement
		Code set qualifier in Sample 1 & Note regarding ZZ usage.
Nov-08	Draft 0.2	Added condition to UNB note restricting allowed character set.
Oct-08	Draft 0.1	Initial Release of separate MIG, based on Australian Retail Industry MIG - EANCOM 2002 using UN/EDIFACT Directories D.01B EAN010 Dec 2002

Business Rules

This section describes how the CONTRL (Syntax and Service Report) message is to be used in trading electronically with Metcash Trading Ltd.

Functional Acknowledgements

1. An automated Functional Acknowledgement (FA) at interchange level is expected for all B2B documents exchanged between Metcash and Suppliers.
2. Only acknowledgment of receipt of an interchange for all messages is required. Any errors found in any message must be communicated promptly with personnel responsible for the transaction.
3. On receipt of a Functional Acknowledgment document for a message, Metcash will assume that the trading partner has successfully received the message. Internal systems will be updated to reflect this.

Summary: Data Content

This section contains an overview of the content and structure of the Syntax and Service Report message as an aid to understanding. It should be noted that while this is indicative of the content and structure of a CONTRL message, the detailed implementation guideline that forms the majority of the document is the only authoritative source of content and structure. In the event of a discrepancy between the information in this section and the information in the detailed implementation guideline, the detailed implementation guideline should prevail.

Message Content				
Segment	Element	Format	Usage	Field Name / Description
UCI	0020	an..14	R	<i>Interchange Control Reference</i>
	0004	an..35	R	<i>Sender Identification</i>
	0008	an..14	R	<i>Address for Reverse Routing</i>
	0010	an..35	R	<i>Recipient Identification</i>
	0083	code list	R	<i>Interchange received (code 7 or 8)</i>

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 Metcash) 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:

```
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 sent¹

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

¹ 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. The same applies to data elements.

This Message Implementation Guideline (MIG):

In this MIG only those segments in the standard message that are to be used are specified. Any segments not used have been omitted for readability. However, within the specification of each segment, all data elements are identified, even if they are not used. Where unused data elements appear before data elements that are used, the missing data elements must be indicated as the placement of data elements within a segment is critical.

The following *User Status/Attributes* indicate the usage of particular segments and elements within this MIG.

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.

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

NOTE:

NOTE:

The use of ZZ as a code qualifier has been included for migration purposes due to its current use by Metcash and other Industry participants. However where GLN numbers are used as values it is preferred and recommended that code 14 be used. As the use of GLN codes becomes more common and widespread it is expected ZZ with diminish in use.

CONTRL Syntax and service report message

Notes:

1) An automated Functional Acknowledgement (FA) at interchange level is expected for all B2B documents exchanged between Metcash and Suppliers.

2) Only acknowledgment of receipt of an interchange for all messages is required. Any errors found in any message must be communicated promptly with personnel responsible for the transaction.

3) If the supplier does not receive a Functional Acknowledgment (FA) from Metcash after sending a message, the supplier must follow through with Metcash to resolve the problem.

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
0001	UNA	Una Service String Advice	C	R	1		
0005	UNB	Interchange header	M	M	1		
0010	UNH	Message header	M	M	1		
0020	UCI	Interchange response	M	M	1		
0150	UNT	Message trailer	M	M	1		
0160	UNZ	Interchange trailer	M	M	1		

Segment: **UNA** Una Service String Advice

Position: 0001

Group:

Level: 0

Usage: Conditional (Required)

Max Use: 1

Purpose: The service string advice shall begin with the upper case characters UNA immediately followed by six characters in the order shown below. The space character shall not be used in positions 010, 020, 040, 050 or 060. The same character shall not be used in more than one position of the UNA.

Notes: This UNA segment specifies that the standard UNOA service characters will be used for all Metcash MIGs.

Example:

UNA:+.?'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>			<u>User Attributes</u>
UNA1		COMPONENT DATA ELEMENT SEPARATOR	M	1	an1	M
UNA2		DATA ELEMENT SEPARATOR	M	1	an1	M
UNA3		DECIMAL MARK	M	1	an1	M
UNA4		RELEASE CHARACTER	M	1	an1	M
UNA5		REPETITION SEPARATOR	M	1	an1	M
UNA6		SEGMENT TERMINATOR	M	1	an1	M

Segment: **UNB** Interchange header

Position: 0005

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: To start, identify and specify an interchange.

Notes: All messages implemented based on EANCOM 2002 will use syntax level C, version 3 as indicated in DE 0001 and DE 0002 as UNOC:3.

NB: This syntax level supports all characters defined in ISO 8859-1: Information processing - Part 1: Latin alphabet No. 1. However, in this MIG Metcash will only support the use of the lower range (hex 20 to 7E), which is equivalent to the US variant of ISO 646 (also known as ASCII).

Example:

UNB+UNOC:3+9300614000009:14+9377777130737:ZZ+080412:1015+2340'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
S001	0001	SYNTAX IDENTIFIER	M	M
		Syntax identifier	M a4	M
	UNOC UN/ECE level C			
S002	0002	Syntax version number	M n1	M
	3	Version 3		
	0004	INTERCHANGE SENDER	M	M
S003	0004	Sender identification	M an..35	M
	A CONTRL message from Metcash will include one of the following: 9377777130737 Metcash production sender id 9377777130740 Metcash test sender id			
	0007	Partner identification code qualifier	C an..4	R
	14	EAN International		
ZZ	Mutually defined			
0008	Address for reverse routing	C an..14	X	
S004	0010	INTERCHANGE RECIPIENT	M	M
	0010	Recipient identification	M an..35	M
	A CONTRL message to Metcash will include one of the following: 9377777130737 Metcash production sender id 9377777130740 Metcash test sender id			
0007	Partner identification code qualifier	C an..4	R	
14	EAN International			
ZZ	Mutually defined			
The Partner identification code qualifier sent on the Purchase Order (ORDERS) should match the Partner identification code qualifier returned on the CONTRL				
0014	Routing address	C an..14	O	
S005	0017	DATE/TIME OF PREPARATION	M	M
	0017	Date of preparation	M n6	M
	YYMMDD	Date format		
S005	0019	Time of preparation	M n4	M
	HHMM	Time format		
0020	INTERCHANGE CONTROL REFERENCE	M an..14	M	
S005	0022	RECIPIENT'S REFERENCE, PASSWORD	C	X
	0022	Recipient's reference/password	M an..14	X
	0025	Recipient's reference/password qualifier	C an2	X
0026	APPLICATION REFERENCE	C an..14	X	
0029	PROCESSING PRIORITY CODE	C a1	X	

0031	ACKNOWLEDGEMENT REQUEST	C	n1	X
0032	COMMUNICATIONS AGREEMENT ID	C	an..35	X
0035	TEST INDICATOR	C	n1	D
	1		Interchange is a test	
			For test message, otherwise blank	

Segment: **UNH** Message header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To head, identify and specify a message.
Notes: Example:
 UNH+1+CONTRL:D:3: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 Senders unique message reference. Sequence number of the message in the interchange. DE 0062 in the UNH segment will be exactly the same as the UNT segment.	M an..14	M
S009		MESSAGE IDENTIFIER	M	M
	0065	Message type CONTRL Syntax and service report message	M an..6	M
	0052	Message version number D Draft version/UN/EDIFACT Directory	M an..3	M
	0054	Message release number 3 Third release, CONTRL message	M an..3	M
	0051	Controlling agency UN UN/CEFACT	M an..2	M
	0057	Association assigned code EAN004 EAN version control number (EAN Code)	C an..6	R
0068		COMMON ACCESS REFERENCE	C an..35	X
S010		STATUS OF THE TRANSFER	C	X
	0070	Sequence of transfers	M n..2	X
	0073	First and last transfer	C a1	X

Segment: **UCI** Interchange response
 Position: 0020
 Group:
 Level: 0
 Usage: Mandatory
 Max Use: 1
 Purpose: To identify the subject interchange, to indicate interchange receipt, to indicate 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.

Notes: This segment is used to identify the interchange being acknowledged.
 DE's 0020, S002 and S003: To identify the interchange being acknowledged, these data elements must contain the same values as were specified in the UNB segment of the original interchange.
 DE 0083: This data element is used to indicate the status of the interchange

Example:
 UCI+64+9377777130737:ZZ:077+9300614000009:14+8'
 The recipient (9300614000009) acknowledges the receipt of interchange 64 from the sender (9377777130737)

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0020		INTERCHANGE CONTROL REFERENCE	M an..14	M
S002		INTERCHANGE SENDER	M	M
	0004	Sender identification	M an..35	M
	0007	Partner identification code qualifier	C an..4	R
		14 EAN International		
		ZZ Mutually defined		
	0008	Address for reverse routing	C an..14	D
		If the CONTRL message is being sent to Metcash, this must be included in the UCI segment for internal reconciliation.		
		If the CONTRL message is being sent by Metcash, this will be included if it was sent in the message being responded to.		
S003		INTERCHANGE RECIPIENT	M	M
	0010	Recipient identification	M an..35	M
	0007	Partner identification code qualifier	C an..4	R
		14 EAN International		
		ZZ Mutually defined		
	0014	Routing address	C an..14	X
0083		ACTION, CODED	M an..3	M
		Due to limitations in the CONTRL message implementations of some trading partners, in a CONTRL message to Metcash code 7 and code 8 will be treated as equivalent and with the meaning that the interchange has been received.		
		In a CONTRL message from Metcash, code 8 will be used.		
		7	This level acknowledged, next lower level acknowledged if not explicitly rejected	
			Code 7 will be considered as equivalent to code 8 in a CONTRL message to Metcash.	
		8	Interchange received	
0085		SYNTAX ERROR, CODED	C an..3	X
0013		SERVICE SEGMENT TAG, CODED	C a3	X
S011		DATA ELEMENT IDENTIFICATION	C	X
	0098	Erroneous data element position in segment	M n..3	X
	0104	Erroneous component data element position	C n..3	X

Segment: **UNT** Message trailer
Position: 0150
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of a message.
Notes: This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example:
 UNT+3+1'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0074		NUMBER OF SEGMENTS IN THE 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.		

Segment: **UNZ** Interchange trailer
Position: 0160
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of an interchange.
Notes: The UNZ segment marks the end of the interchange.

Example:
 UNZ+1+2340'
 Where 2340 is the Interchange control reference from UNB Segment.

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
0036		INTERCHANGE CONTROL COUNT	M n..6	M
0020		INTERCHANGE CONTROL REFERENCE	M an..14	M

Appendix 1- Metcash EDI Profile

Interchange Details

Network Used	GXS Global EDI VAN
EDI Interchange ID	9377777130737 (Production)
EDI Interchange ID	9377777130740 (Test)
Network Used	AS2 Connectivity - Please contact Metcash for details
EDI Interchange ID	9377777130737

Metcash EDI Contacts

Jude McEvoy
National Data Manager
(02) 9741 3096
jude.mcevoy@metcash.com

eBusiness Vendor Engagement Team
1800 991 097
eBusiness@metcash.com

Appendix 2 - Sample Metcash Syntax and Service Report

Sample 1. Control Inbound (to Supplier)

UNA:+.? '
UNB+UNOC:3+9377777130737:ZZ+9311234:ZZ+130131:1005+11++++1'
UNH+11+CONTRL:D:3:UN:EAN004'
UCI+11+9311234:ZZ+9377777130737:ZZ +8'
UNT+3+11'
UNZ+1+11'

Sample 2. Control Outbound (from Supplier)

UNA:+.? '
UNB+UNOC:3+9311234:ZZ+9377777130737:ZZ +130131:1005+12++++1'
UNH+12+CONTRL:D:3:UN:EAN004'
UCI+12+9377777130737:ZZ+9311234:ZZ+8'
UNT+3+12'
UNZ+1+12'