MESSAGE IMPLEMENTATION GUIDE

Chemist Warehouse

CONTRL D.01B MIG

Control Message

Contents

Introduction

The purpose of this guide is to provide suppliers with the necessary information to enable the implementation of Syntax and Service Report (CONTRL) messages with CW Management (CWM). This guide is to be used by CWM suppliers to prepare for the implementation of Electronic Data Interchange (EDI) and to assist with applications integration, to ensure successful electronic trading.

Change history

Document version	Date	Nature of amendment
V2.0	19th of June 2024	Updated format

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EDIFACT specifications

UN/EDIFACT specifications

Definition of UN/EDIFACT

United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport comprise a set of internationally agreed standards, directories, and guidelines for the electronic interchange of structured data, between independent computerized information systems.

UN/EDIFACT syntax

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

Structure of an interchange

An interchange may consist of the following segments:

Segment ID	Segment name	Status
UNA	Service String Advice	Conditional
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 EDIFACT messages. User data segments contain the information itself, in a format specific to each message type.

Separators

Service characters have a special meaning and act as the default separators for EANCOM.

Segment terminator	' (Apostrophe)
Decimal Point	.
Segment tag and data element separator	+ (Plus sign)
Component data element separator	: (Colon)
Release character	? (question mark) 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 ??

Format and picture of data elements

The following conventions apply in the documentation:

Character type

A	Alphabetic characters
N	Numeric characters
An	Alpha-numeric characters

Size

Fixed	all positions must be used
Variable	positions may be used up to a specified maximum

Examples

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

Numeric formats

Z	Single-digit which may or may not be present
9	Single-digit which will be present
Example	ZZZ9.99

Status indicators

There are five types of status used in the following pages, whether for simple, component or composite data elements. They are listed below and can be identified when relevant by the abbreviations.

M	Specified within the Standards as Mandatory, used as a trigger element
Must Use	Required by CWM for specific implementation or business rules
D	Dependent on a mutual agreement between the sender and receiver of the message, governed by Business rules and / or a special arrangement, i.e. Primary Freight, etc
O	Data that can be omitted based on an agreement between the sender and receiver
Not Used	Segment/data elements defined as optional by standard specification and are not required for this Implementation. Data elements or composite elements not used preceding those indicated otherwise are shown for additional clarity. Unused trailing elements will not be shown in this document.

CONTRL Syntax and Control message

A Syntax and Service Report (CONTRL) message is a message syntactically acknowledging a received interchange.

Notes:	This section describes how the CONTRL (Syntax and Service Report) message is to be used in trading electronically with CWM.
	You need to send an automated Syntax and Control Message (CONTRL) at interchange level for all B2B documents exchanged with CWM.
	Only acknowledgment is required for receipt of an interchange for all messages. Any errors found in any message must be communicated with personnel responsible for the transaction.
	The following message flow illustrates the relevance of the CONTRL message to the messages exchanged between CWM and suppliers.
	1. CWM to Supplier: ORDERS (Purchase Order)
	2. Supplier to CWM: CONTRL
	3. Supplier to CWM: ORDRSP (Purchase Order Acknowledgment)
	4. CWM to Supplier: CONTRL
	5. Supplier to CWM: DESADV (Despatch Advice Message)
	6. CWM to Supplier: CONTRL
	7. Supplier to CWM: INVOIC (Invoice Message)
	8. CWM to Supplier: CONTRL
	All messages will be exchanged via the following Identifiers from/to CWM:
	Production EDI Identifier: **9377779369906**
	Testing & Certification EDI Identifier: **TST1CWM**
	Example: Control message from CWM to supplier:
	The example below shows an acknowledgement returned to the supplier from CWM production EDI identifier, indicating that CWM has received interchange 72. The acknowledgment does not imply that the message is accepted without errors, just an indicator of the interchange received.

```
UNA:+.? '
UNB+UNOC:3+9377779369906:14+SUPPLIER_GLN:14+240716:1430+99898'
UNH+0001+CONTRL:D:3:UN:EAN004'
UCI+72+SUPPLIER_GLN:14+9377779369906:14+8'
UNT+3+0001'
UNZ+1+99898'
```

Heading Section

	Pos no.	Seg. ID	Name	Req. des.	Max. use	Group repeat	Notes and comments
Must Use		UNA	Service String Advice	C	1		
M	0005	UNB	Interchange Header	M	1		
M	0010	UNH	Message Header	M	1		

Detail Section

	Pos no.	Seg. ID	Name	Req. des.	Max. use	Group repeat	Notes and comments
M	002	UCI	Interchange Response	M	1		

Summary Section

	Pos no.	Seg. ID	Name	Req. des.	Max. use	Group repeat	Notes and comments
M	2400	UNT	Message Trailer	M	1		
M	2420	UNZ	Interchange Trailer	M	1		

Control - Details

Segment:	**UNA** **Service String Advice**
Position:	
Group:	
Level:	0
Usage:	Conditional (required)
Max use:	1
Purpose:	

To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows. The specifications in the Service string advice take precedence over the specifications for delimiter etc. in UNB segment. When transmitted, the Service string advice must appear immediately before the Interchange Header (UNB) segment.

Notes:	Example:
	UNA:+.? '

Data element summary

	Data element	Component element	Name	Attributes	
M	0010		**COMPONENT DATA ELEMENT SEPARATOR** Composite element delimiter : Colon	M	an...1
M	0020		**DATA ELEMENT SEPARATOR** Data element delimiter + Plus sign	M	an...1
M	0030		**DECIMAL NOTATION** The character transferred in this position shall be ignored by the recipient. Retained to maintain upward compatibility with earlier versions of the syntax. . Full stop / Period	M	an..1
M	0040		**RELEASE INDICATOR** Release indicator is used to signify that the following texts contain one of the characters used as composite, data or segment delimiter, hence release its usage convention for that instance. ? Question mark	M	an..1
M	0050		**RESERVED FOR FUTURE USE** Not used.	M	an...1

White space (blank)

M   0060   **SEGMENT TERMINATOR**   **M   an...1**

Used to delimit the end of the current segment and start a
new segment.

' Apostrophe

			Segment:	**UNB** Interchange Header

Segment: **UNB** Interchange Header

Position: 0005

Group:

Level: 0

Usage: Mandatory

Max use: 1

Purpose: To start, identify and specify an interchange

Comments:

Notes: All messages implemented based on EANCOM 2002 will use syntax level C, version 3 as indicated in DE S001.0001 and DE S001.0002 as UNOC:3.

Dependency notes:

Note that the following elements will not be included in the UNB segment for the CONTRL message:

1) DE0031: Acknowledgement request

Example:
UNB+UNOC:3+9377779369906:14+SUPPLIER_GLN:14+240716:1430+99'
UNB+UNOC:3+TST1CWM:ZZZ+SUPPLIER_GLN:14+240716:1430+101'

Data element summary

	Data element	Component element	Name	Attributes	
M	S001		**SYNTAX IDENTIFIER**	**M**	**1**
			Identification of the agency controlling the syntax and indication of syntax level.		
M		0001	**Syntax identifier**	**M**	**a4**
			Coded identification of the agency controlling a syntax and syntax level used in an interchange.		
			UNOC UN/ECE level C		
			As defined in ISO/IEC 8859-1 : Information technology - Part 1: Latin alphabet No. 1.		
M		0002	**Syntax version number**	**M**	**n1**
			Version number of the syntax identified in the syntax identifier (0001).		
			3 Version 3		
			ISO 9735 Amendment 1:1992.		
M	S002		**INTERCHANGE SENDER**	**M**	**1**
			Identification of the sender of the interchange.		

M		0004	**Sender identification**	**M**		**an..35**

Name or coded representation of the sender of a data interchange.

The identifier / GLN of the sending party:

CWM if CONTRL related to ORDRSP, DESADV or INVOIC

Supplier if CONTRL related to ORDERS

CWM will use the following addresses:

Production EDI Identifier	**9377779369906**
Testing & Certification EDI Identifier	**TST1CWM**

M		0007	**Partner identification code qualifier**	**C**	**an..4**	**an..4**

Qualifier referring to the source of codes for the identifiers of interchanging partners.

14   EAN International

Partner identification code assigned by the European Article Numbering Association.

CWM code qualifier used for Production

ZZZ   Mutually defined

CWM code qualifier used for Testing & Certification

M	S003		**INTERCHANGE RECIPIENT**	**M**	**1**	

Identification of the recipient of the interchange.

M		0010	**Recipient identification**	**M**		**an..35**

Name or coded representation of the recipient of a data interchange.

The identifier / GLN of the receiving party:

CWM if CONTRL related to ORDERS

Supplier if CONTRL related to ORDRSP, DESADV or INVOIC

M		0007	**Partner identification code qualifier**	**C**		**an..4**

Qualifier referring to the source of codes for the identifiers of interchanging partners.

14   EAN International

Partner identification code assigned by the European Article Numbering Association.

ZZZ   Mutually defined

Mutually defined between trading partners.

M	S004		**DATE AND TIME OF PREPARATION**	**M**	**1**	

Date and time of preparation of the interchange.

M		0017	**Date of preparation**	**M**		**n6**

Local date when an interchange or a functional group was prepared.

Date in YYMMDD format, i.e. July 16,2024 is presented as 240716.

M		0019	**Time of preparation**	**M**		**n4**

Local time of day when an interchange or a functional group was prepared.

Time in 24 hour-clock format, i.e. 2:30 PM is presented as 1430.

| M | 0020 | **INTERCHANGE CONTROL REFERENCE** | M | 1 | an..14 |

Unique reference assigned by the sender to an interchange.

This data element is specified as alphanumeric and, for all CWM implementations, only numbers are accepted as interchange control.

Segment:	
	UNH **Message Header**
Position:	0010
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	A service segment starting and uniquely identifying a message.
Dependency notes:	
Semantic notes:	
Comments:	
Notes:	Example:
	UNH+001+CONTRL:D:3:UN:EAN004'

Data element summary

	Data element	Component element	Name	Attributes		
M	0062		**MESSAGE REFERENCE NUMBER**	M	1	an..14
			Unique message reference assigned by the sender.			
			Sequence number of the message in the interchange generated by sender. DE 0062 in the UNH segment will be exactly the same as in the UNT segment.			
M	S009		**MESSAGE IDENTIFIER**	M	1	
			Identification of the type, version etc. of the message being interchanged.			
M		0065	**Message type identifier**	M		an..6
			Code identifying a type of message and assigned by its controlling agency.			
			CONTRL Control message			
M		0052	**Message type version number**	M		an..3
			Version number of a message type.			
			D Draft version/UN/EDIFACT Directory			
M		0054	**Message type release number**	M		an..3
			Release number within the current message type version number (0052).			
			3 Syntax version 3 adopted from the Joint Syntax Working Group			
M		0051	**Controlling agency**	M		an..2
			Code identifying the agency controlling the specification, maintenance and publication of the message type.			
			UN UN/CEFACT			

United Nations Centre for Trade Facilitation and
Electronic Business (UN/CEFACT).

Must use   0057   Association assigned code   C   an..6

Code, assigned by the association responsible for the design and
maintenance of the message type concerned, which further identifies
the message.

EAN004   EAN version control number

Segment:	**UCI** **Interchange Response**
Position:	002
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	To identify the subject interchange, 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.
Dependency Notes:	
Semantic Notes:	
Comments	

Notes:

This segment is used to identify the interchange being acknowledged. Only qualifier value 8 (interchange received) is used for DE 0083 to acknowledge the receipt of the original message to the sender.

Example:

Interchange number 72 from the sender identified as SUPPLIER_GLN to the receiver identified by 9377779369906 has been received.

UCI+72+SUPPLIER_GLN:14+9377779369906:14+8'

Data Element Summary

	Data element	Component element	Name	Attributes	
M	0020		**INTERCHANGE CONTROL REFERENCE**	M	an..14
			Unique reference assigned by the sender to an interchange. Name of a document.		
M	0020		**INTERCHANGE CONTROL REFERENCE**	M	an..14
			Unique reference assigned by the sender to an interchange. Name of a document.		
M	S002		**INTERCHANGE SENDER**	M	
			Identification of the sender of the interchange.		
M		0004	**Sender identification**	C	an..35
			Name or coded representation of the sender of a data interchange.		

		Interchange address ID of the sender may be an EAN Global Location Number (GLN) or other mutually agreed address		
Must Use	**0007**	**Partner identification code qualifier**	**C**	**an..4**
		Qualifier referring to the source of codes for the identifiers of interchanging partners.		
		14 EAN (International Article Numbering Association)		
		ZZZ Mutually defined		
M	**S003**	**INTERCHANGE RECIPIENT**	**M**	
		Identification of the recipient of the interchange		
M	**0010**	**Recipient identification**	**M**	**an..35**
		Name or coded representation of the recipient of a data interchange.		
		Interchange address ID of the receiver may be an EAN Global Location Number (GLN) or other mutually agreed address.		
Must Use	**0007**	**Partner identification code qualifier**	**C**	**an..4**
		Qualifier referring to the source of codes for the identifiers of interchanging partners.		
		14 EAN (International Article Numbering Association)		
		ZZZ Mutually defined		
M	**0083**	**ACTION, CODED**	**M**	**an..3**
		In a CONTRL message from / to CWM, code 8 will be used.		
		8 Interchange received		

Segment:	
	UNT **Message Trailer**
Position:	2400
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.
Dependency Notes:	
Semantic Notes:	
Comments	
Notes:	This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Example:

There are 3 segments within the UNH-UNT loop inclusively.
UNT+3+1' |

Data Element Summary

	Data element	Component element	Name	Attributes		
M	0074		**NUMBER OF SEGMENTS IN A MESSAGE**	M	1	n..6
			Control count of number of segments in a message.			
M	0062		**MESSAGE REFERENCE NUMBER**	M	1	an..14
			Unique message reference assigned by the sender.			
			Sequence number of the message in the interchange. DE 0062 in the UNT segment will be exactly the same as in the UNH segment.			

Segment:	
	UNZ **Interchange Trailer**
Position:	2420
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	To end and check the completeness of an interchange
Dependency Notes:	
Semantic Notes:	
Comments	

Notes:	The UNZ segment marks the end of the interchange
	Example:
	UNZ+1+1001'

Data Element Summary

	Data element	Component element	Name	Attributes		
M	0036		**INTERCHANGE CONTROL COUNT**	M	1	n..6
			Count either of the number of messages or, if used, of the number of functional groups in an interchange.			
			Total count of UNH-UNT segment loop repeats.			
M	0020		**INTERCHANGE CONTROL REFERENCE**	M	1	an..14
			Unique reference assigned by the sender to an interchange.			
			The value presented here must match with the value presented in DE 0020 in segment UNB.			

Example Control message

```
UNA:+.? '
UNB+UNOC:3+9377779369906:14+SUPPLIER_GLN:14+240716:1430+99898'
UNH+0001+CONTRL:D:3:UN:EAN004'
UCI+72+SUPPLIER_GLN:14+9377779369906:14+8'
UNT+3+0001'
UNZ+1+99898'
```