MESSAGE IMPLEMENTATION GUIDE

Endeavour Group

CONTRL D.01B MIG

Syntax and Control Message

Contents

Introduction

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

Change history

Document version	Date	Nature of amendment
V1.0	11th of July 2025	First version

Copyright

CONTRL Syntax and Control Message

Notes

For all implementations with Endeavour (EGL), a CONTRL message must reference the messages being acknowledged. The following message flow illustrates the relevance of the CONTRL message to the messages exchanged between Endeavour and Trade Partners:

1. Endeavour to Trade Partner: ORDERS (Purchase Order)
2. Trade Partner to Endeavour: CONTRL

3. Trade Partner to Endeavour: ORDRSP (Purchase Order Acknowledgment)
4. Endeavour to Trade Partner: CONTRL

5. Trade Partner to Endeavour: INVOIC (Invoice)
6. Endeavour to Trade Partner: CONTRL

7. Trade Partner to Endeavour: DESADV (ASN)
8. Endeavour to Trade Partner: CONTRL

All EANCOM® 2002 messages will be exchanged via the following interchange (mailbox) addresses:

- 9377779500941 for Endeavour Group production
- 9377779500941T for Endeavour Group test

Usage notes

M	Specified within the Standards as Mandatory, used as a trigger element.
R	Required by EGL 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 Connect, etc.
O	Data that can be omitted based on an agreement between the sender and receiver.
X	Segment/data element defined as optional by standard specification and are not required for this Implementation. Data elements or composite elements that are not used preceding those indicated otherwise are shown for additional clarity. Trailing elements that are not used will not be shown in this document.

- "EGL" is Endeavour Group Limited.
- "Attribute" is the EDI standards definition.
- "User Attribute" is EGL EDI usage.

Heading section

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and comments
R		UNA	Service String Advice	M	1		
M	005	UNB	Interchange Header	M	1		
M	010	UNH	Message Header	M	1		

Detail Section

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and comments
M	002	UCI	Interchange Response	M	1		

Summary Section

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and comments
M	2400	UNT	Message Trailer	M	1		
	2420	UNZ	Interchange Trailer	C	1		

CONTRL - Details

Segment: **UNA** **Service String Advice**

Position:

Group:

Level: 0

Usage: 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 and begin with the upper-case characters UNA immediately followed by the six characters selected by the sender to indicate, in the following sequence:

Notes: Example:
UNA:+.? '

Endeavour preferred character set level and service characters are :+.? '

Vendor can use the allowable character sets and service characters defined by UNOC by negotiation with Endeavour. This allowable character sets and service characters can be obtained from Endeavour on request.

Data Element summary

User Attribute	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**	**M**	**an..1**

		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	**0050**	**RESERVED FOR FUTURE USE** Not used. White space (blank)	**M**	**an..1**
M	**0060**	**SEGMENT TERMINATOR** Used to delimit the end of the current segment and start a new segment. ' Apostrophe	**M**	**an..1**

Segment:	**UNB** **Interchange Header**
Position:	005
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	To start, identify and specify an interchange
Dependency Notes:	Note that the following elements will not be included in the UNB segment for the CONTRL message: • DE0031: Acknowledgement request
Notes:	All messages implemented based on EANCOM(r) 2002 will use syntax level C, version 3 as indicated in DE 0001 and DE 0002 as UNOC:3. This supports all characters defined in ISO 8859-1: Information processing - Part 1: Latin alphabet No. 1 Example: **UNB+UNOC:3+9377779500941:14+9999999999999:ZZZ+090103:0730+1001'**

Data Element summary

User Attribute	Data element	Component element	Name	Attributes	
M	**S001**		**SYNTAX IDENTIFIER** Identification of the agency controlling the syntax and indication of syntax level.	**M**	**1**
M		**0001**	**Syntax identifier** Coded identification of the agency controlling a syntax and syntax level used in an interchange. UNOC UN/ECE level C	**M**	**a4**
M		**0002**	**Syntax version number** Version number of the syntax identified in the syntax identifier (0001). 3 Version 3	**M**	**n1**
M	**S002**		**INTERCHANGE SENDER** Identification of the sender of the interchange.	**M**	**1**
M		**0004**	**Sender identification**	**M**	**an..35**

			Name or coded representation of the sender of a data interchange.			
R		**0007**	**Partner identification code qualifier**	**C**		**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners. 14 EAN (European Article Numbering Association). ZZZ Mutually defined Mutually defined between trading partners.			
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.			
R		**0007**	**Partner identification code qualifier**	**C**		**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners. 14 EAN (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. March 7th, 2025 is presented as 250307			
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 formats, i.e. 3:30 PM is presented as 1530			
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 EGL implementations, only numbers are accepted as interchange control. All numbers used in this data element will be treated as significant numbers including those with zero prefix. For			

		example, if an interchange was sent to EGL as '000101', it will be acknowledged with '000101' in the CONTRL message. The value presented here must match the value presented in DE 0020 in segment UNZ.			
X	**S005**	**RECIPIENTS REFERENCE PASSWORD** Reference or password as agreed between the communicating partners.	**C**	**1**	
X	**0026**	**APPLICATION REFERENCE** Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type.	**C**	**1**	**an..14**
X	**0029**	**PROCESSING PRIORITY CODE** Code determined by the sender requesting processing priority for the interchange.	**C**	**1**	**a1**
X	**0031**	**ACKNOWLEDGEMENT REQUEST** Code determined by the sender for acknowledgement of the interchange.	**C**	**1**	**n1**
X	**0032**	**COMMUNICATIONS AGREEMENT ID**	**C**	**1**	**an..35**
D	**0035**	**TEST INDICATOR** Indication that the Interchange is a test 1 Interchange is a test	**C**		**n1**

Segment:	**UNH Message Header**
Position:	010
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	To head, identify and specify a message
Dependency notes:	
Semantic notes:	
Comments:	
Notes:	Example: **UNH+0001+CONTRL:D:3:UN:EAN004'**

Data Element summary

User Attribute	Data Element	Component Element	Name	Attributes		
M	**0062**		**MESSAGE REFERENCE NUMBER** Unique message reference assigned by the sender. Sequence number of the message in the interchange. DE 0062 in the UNH segment will be exactly the same as in the UNT segment. Sender generated commencing at 0001 for the first message in an interchange.	**M**	**1**	**an..14**
M	**S009**		**MESSAGE IDENTIFIER** Identification of the type, version etc. of the message being interchanged.	**M**	**1**	
M		**0065**	**Message type identifier** Code identifying a type of message and assigned by its controlling agency. CONTRL Control message	**M**		**an..6**
M		**0052**	**Message type version number** Version number of a message type. D Draft version/UN/EDIFACT Directory	**M**		**an..3**
M		**0054**	**Message type release number** Release number within the current message type version number (0052). 3 Syntax version 3 adopted from the Joint Syntax Working Group	**M**		**an..3**
M		**0051**	**Controlling agency**	**M**		**an..2**

		Code identifying the agency controlling the specification, maintenance and publication of the message type. UN UN/CEFACT			
R	**0057**	**Association assigned code** 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	**C**	**an..6**	

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 9999999999999 to the receiver identified by the EAN location code 9377779500941 has been received.

UCI+72+9999999999999:ZZZ+9377779500941:14+8'

Data Element summary

User Attribute	Data Element	Component Element	Name	Attributes	
M	**0020**		**INTERCHANGE CONTROL REFERENCE** Unique reference assigned by the sender to an interchange.	**M**	**an..14**
M	**S002**		**INTERCHANGE SENDER** Identification of the sender of the interchange.	**M**	
M		**0004**	**Sender identification** 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.	**M**	**an..35**
R		**0007**	**Partner identification code qualifier** Qualifier referring to the source of codes for the identifiers of interchanging partners.	**C**	**an..4**

			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.			
R		**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**				**M**	**an..3**
			8	Interchange received		

Segment:	**UNT Message Trailer**
Position:	010
Group:	
Level:	0
Usage:	Mandatory
Max use:	1
Purpose:	To end and check the completeness of a message..
Dependency notes:	
Semantic notes:	
Comments:	
Notes:	Example: **UNT+4+0001'**

Data Element Summary

User Attribute	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. Sender generated commencing at 0001 for the first message in an interchange.			

Segment:	**UNZ Interchange Trailer**
Position:	020
Group:	
Level:	0
Usage:	Conditional(Optional)
Max use:	1
Purpose:	To end and check the completeness of an interchange
Dependency notes:	
Semantic notes:	
Comments:	
Notes:	Example: **UNZ+1+1001'**

Data Element Summary

User Attribute	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.			

Control Message examples

Example 1: Control message from EGL to Trading Partner

The example below illustrates an acknowledgement to be returned to the Trade Partner at address 9999999999999 from EGL address 9377779500941, indicating that EGL has received interchange 72. The acknowledgment does not imply that the messages are accepted without errors, just an indicator of the interchanges received.

UNA:+.? '
UNB+UNOC:3+9377779500941:14+9999999999999:ZZZ+090102:1029+99101'
UNH+0001+CONTRL:D:3:UN:EAN004'
UCI+72+9999999999999:ZZZ+9377779500941:14+8'
UNT+3+0001'
UNZ+1+99101'

Example 2: Control message from Trade Partner to EGL

The example below illustrates an acknowledgement to be returned to EGL at address 9377779500941 from Trade Partner address 9999999999999, indicating that the Trade Partner has received interchange 145. The acknowledgment does not imply that the messages are accepted without errors, just an indicator of the interchanges received.

UNA:+.? '
UNB+UNOC:3+9999999999999:ZZZ+9377779500941:14+090103:1230+49848'
UNH+0001+CONTRL:D:3:UN:EAN004'
UCI+145+9377779500941:14+9999999999999:ZZZ+8'
UNT+3+0001'
UNZ+1+49848'

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