CONTRL Syntax and Service Report (CONTRL) message

Introduction

CONTRL is a message syntactically acknowledging or rejecting, with error indication, a received interchange, functional group or message.

Notes

This contains the detailed description of the Syntax and Service Report (CONTRL) message.

It is used to transmit back to the original interchange sender, certain UN/EDIFACT interchange/message errors identified by HMRC's Electronic Data Capture Service (EDCS). This response is to CHIEF interchanges using the EDCS e-mail route only. It is not used to acknowledge receipt of the interchange.

If you need help on the UN/EDIFACT Standard please contact:

HM Revenue & Customs
EDIFACT Helpdesk
Information Management Solutions
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21 Victoria Avenue
Southend-on-Sea
Essex SS99 1AA

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Email: edistandards@hmrc.gsi.gov.uk

Summary of status

Mandatory as per UN/EDIFACT.

C Conditional.
R Required from HMRC (please refer also to group/segment status).
NR Not required from HMRC.

nb Group/segment usage shows the user status. "Conditional (Optional)" means that this is required when a business condition is met.

Explanation of separator representation as used in the examples:

: Separator between components of a compound element
+ Separator between elements in a segment
' Segment terminator.

Format of the elements is specified as:

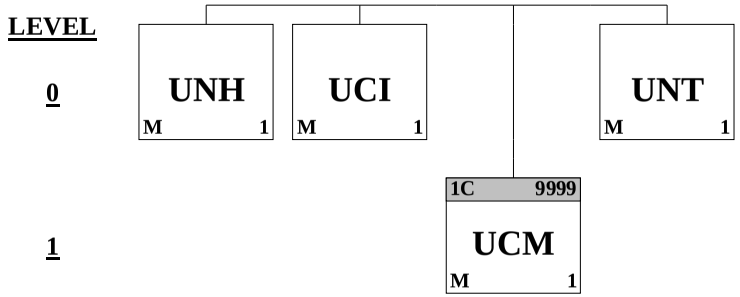
a upper case alphabetic
an upper case alphanumeric
n numeric
id alphabetic, numeric, or alphanumeric identifier
Length of the data item is optionally preceded by ".." if the length is variable.

example 1: a1 is alphabetic 1 character
example 2: an..7 is alphanumeric variable 7 (ie 1 to 7 inclusive) characters
example 3: n4 is numeric 4 characters.

Details of changes implemented in this version

1. New EDI standards contact address.
2. Minor typos.

Pos. No	Seg. ID	Name	Base Guide	User Status	Max. Use	Group: Repeat	Notes and Comments
005	UNH	Message Header	M	M	1		
010	UCI	Interchange Response	M	M	1		
		Segment Group 1: UCM	C	C		9999	
015	UCM	Message Response	M	M	1		
070	UNT	Message Trailer	M	M	1		


LEVEL
0
1
2
3
4
5
6
7
8
UNH
M 1
UCI
M 1
UNT
M 1
1C 9999
UCM
M 1

Segment: UNH Message Header
Position: 005
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To head, identify and specify a Message.
Notes: **eg UNH+00001+CONTRL:2:2:UN'**

Data element summary

Data Element	Component Element	Name	Base Attributes		User Attributes	
0062		**MESSAGE REFERENCE NUMBER (MREF)**	**M**	**an..14**	**M**	
		Unique message reference assigned by the sender.				
		SYS-MRN an..14 A system generated unique Message Reference Number.				
S009		**MESSAGE IDENTIFIER**	**M**		**M**	
		Identification of the type, version etc. of the message being interchanged.				
	0065	**Message type identifier**	**M**	**an..6**	**M**	**an6**
		Code identifying a type of message and assigned by its controlling agency.				
		CONTRL Control message				
	0052	**Message type version number**	**M**	**an..3**	**M**	**an1**
		Version number of a message type.				
		2				
	0054	**Message type release number**	**M**	**an..3**	**M**	**an1**
		Release number within the current message type version number (0052).				

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0051 Controlling agency M an..2 M an2

Code identifying the agency controlling the specification, maintenance and publication of the message type.

UN	UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)

Segment: UCI Interchange Response
Position: 010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To identify the subject interchange of rejection (action taken) of the UNB & 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 messages in the interchange.
Notes: **This segment will always occur once per CONTRL. (NB Message related errors will be reported using data element 0085 of the UCM segment). eg UCI+00099+CUK98000DAT::CUK000DAT+EDRCHIEF+4+G52'**

Data element summary

Data Element	Component Element	Name	Base Attributes		User Attributes	
0020		**INTERCHANGE CONTROL REFERENCE (INCR)**	**M**	**an..14**	**M**	
		Unique reference assigned by the sender to an interchange.				
		SYS-ICR (ICR an..14) This is the unique reference assigned by the sender of the UNB segment of the incoming interchange. This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.				
S002		**INTERCHANGE SENDER**	**M**		**M**	
		Identification of the sender of the interchange.				
	0004	**Sender identification (ROLE)**	**M**	**an..35**	**M**	**an..12**
		Name or coded representation of the sender of a data interchange.				
		TRADER-ROLE (ROLE, an..12) Role name from the UNB segment of the incoming interchange. This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.				
	0007	**Partner identification code qualifier**	**C**	**id..4**	**NR**	
		Qualifier referring to the source of codes for the identifiers of interchanging partners.				

	0008	**Address for reverse routing (LOCO)**	**C**	**an..14**	**R**	**an..12**

Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.

TRADER-LOCATION (LOCO, an..12) Location name from the UNB segment of the incoming interchange. This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.

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

Identification of the recipient of the interchange.

	0010	**Recipient identification**	**M**	**an..35**	**M**	**an8**

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

This will have a value of "EDRCHIEF".

0083		ACTION, CODED (ACTN)	M	an..2	M	an..3

INTG-ACTION-CODE (ACTN, an..3). This code indicates the action taken by EDCS.

4	This level and all lower levels rejected

The response interchange contains a single message, ie the CONTRL message identifying that this action has been taken if at interchange level, or may contain other response messages (CUSRES and/or UKCTRL) if at message level.

G48	The rest of the interchange is rejected. The response interchange contains the response messages (CUSRES or UKCTRL) for the messages that have been processed by CHIEF followed by a CONTRL message. It should be noted that all the messages may have been processed if the superfluous data being rejected is at the end of the interchange.
G49	One or more messages have been rejected. The response interchange contains the response messages (CUSRES and/or UKCTRL) for the message(s) that have been processed by CHIEF and the CONTRL message where a message has been rejected by EDCS.

	G53	No action taken but see error code.

0085 SYNTAX ERROR, CODED (EROR) C an..3 C

INTG-ERROR-CODE (EROR, an..3). This code indicates the syntax error detected.

2	
	Syntax version or level not supported.
7	
	Recipient identification (0010) not "EDRCHIEF".
12	Invalid data element value.
13	Missing interchange segment, composite or simple element.
21	Invalid character - in data element (as defined in the syntax level indicated in UNB). If this occurs in an element that is retained in the response interchange, the invalid characters are replaced with "!" (note all returned fields are alphanumeric).
26	Duplicate interchange (as defined by a duplicate Interchange Control Reference for a ROLE). Ensure that the same Interchange Control Reference (ICR) is not used with the same role. If the ICR has previously been used (in live or test mode), then the second message will be rejected.
28	UNB/UNZ interchange references do not match.
29	Number of messages received does not match the Interchange Control Count (0036).
39	Data element too long. If a data element that is returned in the response interchange is too long it is truncated to the expected length.
G44	The Trader Role (Sender identification 0004) is not recognised by CHIEF. This could be due to the sender transposing the ROLE and LOCATION fields in the UNB segment. Another cause could be that the sender is attempting to use the test service (HMUT) instead of the live service (CIES). The ROLE and LOCATION must be sent up independently for each service. For further information on ROLE and LOCATION, contact the CHIEF helpdesk.

G45	The Trader Location (Address for reverse routing 0008) is not recognised by CHIEF. As above, this could be due to the sender transposing the ROLE and LOCATION fields in the UNB segment. Another cause could be that the sender is attempting to use the test service (HMUT) instead of the live service (CIES). The ROLE and LOCATION must be sent up independently for each service. For further information on ROLE and LOCATION, contact the CHIEF helpdesk.
G46	A session for the Trader Role, Trader Location and Test Indicator (Purpose 0035) is not permitted via the e-mail route. The sender may not be authorised by CHIEF to use the system. This may be due to the sender not being set up for the CHIEF service required (CIES and/or HMUT). For further information on ROLE and LOCATION, contact the CHIEF helpdesk.
G50	The Application Reference (0026) is not "CHIEFLIVE" or "CHIEFTEST".
G51	Spurious data ignored before UNB or after UNZ segment (as identified by Segment Tag).
G52	UNA segment found.
G54	UNG segment found.
G74	The Trader Role (UNB Sender Identification 0004) and/or Location (UNB Address for reverse routing 0008) do not match those issued for this channel and/or service.
G84	Incorrect eMail Server. A CHIEF Live delaration has been incorrectly sent to the Test [HMUT] eMail address. This declaration has been rejected, please send to the Live service eMail address.
G85	Incorrect eMail Server. A CHIEF Test declaration has been incorrectly sent to the Live [CIES] eMail address. This declaration has been rejected, please send to the Test service eMail address.

0013 **SERVICE SEGMENT TAG, CODED** **C a3 C**

Code identifying a service segment.

UNB	Interchange Header

S011	**DATA ELEMENT IDENTIFICATION**	**C**		**C**
	Identification of the position for an erroneous data element. This can be the position of a simple or composite data element in the definition of a segment or a composite data element in the definition of a composite data element.			
0098	**Erroneous data element position in segment (ELNO)**	**M**	**n..3**	**M**
	ELEMENT-NO (ELNO n..3) The number of the simple or composite data element in the segment identified in the Service Segment Tag, Coded (0013). The segment tag has the position 1. A value of zero indicates the element is indeterminate.			
0104	**Erroneous component data element position (CMNO)**	**C**	**n..3**	**C**
	COMPONENT-NO (CMNO n..3) The number of the component data element in the compound data element identified in ELEMENT-NO (ELNO).			

Group: UCM Segment Group 1
Position: 015
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9999

Segment summary

	Pos. No	Seg. ID	Name	Req. Des	Max. Use	Group: Repeat
M	015	UCM	Message Response	M	1	

Segment: UCM Message Response
Position: 015 (Trigger Segment)
Group: SG1
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify a message in the subject interchange, and to indicate that message's acknowledgement or rejection (action taken), and to identify any error related to the UNH and UNT segments.
Notes: **This segment will only occur if a message error(s) is detected as listed in data element 0085. It will be used once for each error found.**
eg UCM+00001+CUSDEC:2:912:UN:109210+4+G47'

Data element summary

Data Element	Component Element	Name	Base Attributes		User Attributes	
0062		**MESSAGE REFERENCE NUMBER (SMRF)**	**M**	**an..14**	**M**	
		Unique message reference assigned by the sender.				
		MSG-MRN (SMRF an..14) Sender's Message Reference as received in the UNH segment of the incoming message.				
S009		**MESSAGE IDENTIFIER**	**M**		**M**	
		Identification of the type, version etc. of the message being interchanged.				
	0065	**Message type identifier**	**M**	**an..6**	**M**	**an6**
		Code identifying a type of message and assigned by its controlling agency.				
		This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.				
		CUSDEC Customs declaration message				
	0052	**Message type version number**	**M**	**an..3**	**M**	**an1**
		Version number of a message type.				
		This will have a value of "2". This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.				
	0054	**Message type release number**	**M**	**an..3**	**M**	**an3**

Release number within the current message type version number (0052).

This will have a value of "912". This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.

0051 Controlling agency M an..2 M an2

Code identifying the agency controlling the specification, maintenance and publication of the message type.

This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.

UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)

0057 Association assigned code (ASGC) C an..6 R an6

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

MSG-ASG-CODE (ASGC an6) Association assigned code as received in the incoming message. This may be truncated, have non EDIFACT characters replaced by "!", or be a single "!" if the element was missing.

0083 ACTION, CODED M an..2 M an1

ACTION-CODE an..3 Identifies the action taken with the message.

4 This level and all lower levels rejected

0085 SYNTAX ERROR, CODED C an..3 R

MSG-ERROR-CODE an..3 Identifies why the message has been rejected as a whole.

13 Missing message segment, composite or simple element

21 Invalid character - in data element (as defined in the syntax level indicated in UNB). If this occurs in an element that is retained in the response interchange, the invalid characters are replaced with "!" (note all returned fields are alphanumeric).

G47 Message too long (i.e. more than 32,000 characters

as defined for the CHIEF interface).

G73 Message contains data that is only acceptable via a level 2 channel

0013 SERVICE SEGMENT TAG, CODED C a3 C

Code identifying a service segment.

UNH Message Header

UNT Message Trailer

Segment: UNT Message Trailer
Position: 070
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of a message.
Notes: **eg UNT+3+00001'**

Data element summary

Data Element	Component Element	Name	Base Attributes	User Attributes
0074		**NUMBER OF SEGMENTS IN A MESSAGE (NSEG)**	**M n..6**	**M**
		Control count of number of segments in a message.		
		SEG-CNT(NSEG n..6) The number of segments in the message including the UNH and UNT segments.		
0062		**MESSAGE REFERENCE NUMBER (MREF)**	**M an..14**	**M**
		Unique message reference assigned by the sender.		
		SYS-MRN (MREF an..14) As per data element 0062 in the UNH segment.		
		Example message no. 1 - wrapped as transmitted: UNB+UNOA:2+EDRCHIEF+CUK98000DAT::CUK000DAT+050731:1140+21++CHIEFLIVE'UNH+CONTRL21+CONTRL:2:2:UN'UCI+13+CUK98000DAT::CUK000DAT+EDRCHIEF+4+G52'UNT+3+CONTRL21'UNZ+1+21' Example message No. 1 - expanded to individual segments: UNB+UNOA:2+EDRCHIEF+CUK98000DAT::CUK000DAT+050731:1140+21++CHIEFLIVE' UNH+CONTRL21+CONTRL:2:2:UN' UCI+13+CUK98000DAT::CUK000DAT+EDRCHIEF+4+G52' UNT+3+CONTRL21' UNZ+1+21' The example above is reporting that the whole interchange received by EDCS was rejected because a UNA segment was		

found.

Example message No. 2 - wrapped as transmitted:

UNB+UNOA:2+EDRCHIEF+CUK!!000DAT::CUK000DAT+05073
1:1357+22++CHIEFLIVE'UNH+CONTRL22+CONTRL:2:2:UN'UC
I+47+CUK!!000DAT::CUK000DAT+EDRCHIEF+4+7+UNB+4:1'U
NT+3+CONTRL22'UNZ+1+22'

Example message No. 2 - expanded to individual segments:

UNB+UNOA:2+EDRCHIEF+CUK!!000DAT::CUK000DAT+05073
1:1357+22++CHIEFLIVE'

UNH+CONTRL22+CONTRL:2:2:UN'

UCI+47+CUK!!000DAT::CUK000DAT+EDRCHIEF+4+7+UNB+4:
1'

UNT+3+CONTRL22'

UNZ+1+22'

The example above is reporting that the whole interchange received by EDCS was rejected because invalid characters were found in the Recipient Id. of the UNB segment.

Example message no. 3 - wrapped as transmitted:

UNB+UNOA:2+EDRCHIEF+CUK98000DAT::CUK000DAT+0507
31:1017+23++CHIEFLIVE'UNH+CONTRL23+CONTRL:2:2:UN'U
CI+77+CUK98000DAT::CUK000DAT+EDRCHIEF+G49'UCM+00
001+CUSDEC:2:2:UN:109210+4+13+UNH'UCM+00005+CUSDE
C:2:2:UN:109210+4+G47'UNT+5+CONTRL23'UNZ+1+23'

Example message No. 3 - expanded to individual segments:

UNB+UNOA:2+EDRCHIEF+CUK98000DAT::CUK000DAT+0507
31:1017+23++CHIEFLIVE'

UNH+CONTRL23+CONTRL:2:2:UN'

UCI+77+CUK98000DAT::CUK000DAT+EDRCHIEF+G49'

UCM+00001+CUSDEC:2:2:UN:109210+4+13+UNH'

UCM+00005+CUSDEC:2:2:UN:109210+4+G47'

UNT+5+CONTRL23'

UNZ+1+23'

The example above is reporting that one or more (2) messages

received by EDCS were rejected because a missing part of a message was found in one, and the other message was found to be greater than 32k.