

# CONTRL Syntax and Service Report Message

According to UN/EDIFACT documentation, the CONTRL message may be used in one of two ways. The first, and simplest way to use CONTRL is to simply confirm delivery of an interchange to the intended recipient. If this is the case, the CONTRL message should only consist of the UNH, UCI, and UNT segments.

The second way to use CONTRL is to report errors at any level of the interchange, including the functional group, if used, message segment and data element level.

If functional groups are used, segment groups 3,4, and 5 shall be used, and segment groups 1 and 2 shall not be used to convey information about the interchange to the sender of the original interchange. If functional groups are not used, segment groups 1 and 2 shall be used, and segment groups 3, 4, and 5 shall not be used to convey information about the interchange to the sender of the original interchange.

## Header

OCEAN REQ. DES.	PAGE #	SEG. ID	NAME	EDIFACT REQ. DES.	MAX USE	GROUP REPEAT
M	408	UNH	Message header	M	1	
M	409	UCI	Interchange Response	M	1	
C		<b>SEGMENT GROUP - 1 - UCM</b>			C	999999
M	415	UCM	Message Response	M	1	
C		<b>SEGMENT GROUP - 2 - UCM/UCS</b>			C	999
M	421	UCS	Segment Error Indication	M	1	
C	422	UCD	Data Element Error Indication	C	99	
C		<b>SEGMENT GROUP - 3 - UCF</b>			C	999999
M	427	UCF	Functional Group Response	M	1	
X		<b>SEGMENT GROUP - 4 - UCF/UCM</b>			C	999999
X		UCM	Message Response	M	1	
X		<b>SEGMENT GROUP - 5 - UCF/UCM/UCS</b>			C	999
X		UCS	Segment Error Indication	M	1	
X		UCD	Data Element Error Indication	C	99	
M	433	UNT	Message trailer	M	1	

SEGMENT: **UNH** Message header

STATUS: Mandatory

REPEAT: 1

FUNCTION: To head, identify and specify a message.

CLARIFICATION: A service segment starting and uniquely identifying the message. The message type code for the Syntax and Service Report Message is CONTRL.

Data Element Summary

REFERENCE DES.	TAG - NAME	ST.	REPR.
UNH01	<b>0062 MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M	an..14
UNH02	<b>S009 MESSAGE IDENTIFIER</b> Identification of the type, version etc. of the message being interchanged.	M	
UNH02 - 1	<b>0065 Message type identifier</b> Code identifying a type of message and assigned by its controlling agency. <b>CONTRL</b> Syntax and service report message <i>Message syntactically acknowledging or rejecting, with error indication, a received interchange, functional group or message.</i>	M	an..6
UNH02 - 2	<b>0052 Message type version number</b> Version number of a message type. <b>D95</b>	M	an..3
UNH02 - 3	<b>0054 Message type release number</b> Release number within the current message type version number (0052). <b>B</b>	M	an..3
UNH02 - 4	<b>0051 Controlling agency</b> Code identifying the agency controlling the specification, maintenance and publication of the message type. <b>UN</b> <b>UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</b> <i>UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).</i>	M	an..2
UNH02 - 5	<b>0057 Association assigned code</b> Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. Note: Use codes defined by association given in 0051. <b>AVNT</b>	C	an..6
Not Used	<b>UNH03 0068 COMMON ACCESS REFERENCE</b> Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	C	an..35
Not Used	<b>UNH04 S010 STATUS OF THE TRANSFER</b> Statement that the message is one of a sequence of transfers relating to the same topic.	C	

**SEGMENT: UCI Interchange Response**

**STATUS:** Mandatory

**REPEAT:** 1

**FUNCTION:** To identify the subject interchange and to indicate acknowledgment 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.

**CLARIFICATION:** A segment identifying the interchange being responded to (the subject interchange). It also indicates acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and 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**

REFERENCE DES.	TAG - NAME	ST.	REPR.
<b>UCI01</b>	<b>0020 INTERCHANGE CONTROL REFERENCE</b> Unique reference assigned by the sender to an interchange.	<b>M</b>	<b>an..14</b>
<b>UCI02</b>	<b>S002 INTERCHANGE SENDER</b> Identification of the sender of the interchange.	<b>M</b>	
<b>UCI02 - 1</b>	<b>0004 Sender identification</b> Name or coded representation of the sender of a data interchange.	<b>M</b>	<b>an..35</b>
<b>UCI02 - 2</b>	<b>0007 Identification qualifier</b> Qualifier referring to the source of codes for the identifiers of interchanging partners.	<b>C</b>	<b>an..4</b>
<b>UCI02 - 3</b>	<b>0008 Address for reverse party</b> Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.	<b>C</b>	<b>an..14</b>
<b>UCI03</b>	<b>S003 INTERCHANGE RECIPIENT</b> Identification of the recipient of the interchange.	<b>M</b>	
<b>UCI03 - 1</b>	<b>0010 Recipient identification</b> Name or coded representation of the recipient of a data interchange.	<b>M</b>	<b>an..35</b>
<b>UCI03 - 2</b>	<b>0007 Identification qualifier</b> Qualifier referring to the source of codes for the identifiers of interchanging partners.	<b>C</b>	<b>an..4</b>
<b>UCI03 - 3</b>	<b>0014 Routing address</b> Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization.	<b>C</b>	<b>an..14</b>
<b>UCI04</b>	<b>0083 ACTION, CODED</b> A code which in acknowledgement service message states the action taken.	<b>M</b>	<b>an..3</b>

Action code 4, 7, and 8 are defined for the Action code. As noted in the beginning paragraph of this implementation guide, the CONTRL message can be used in one of two ways. The first way is to acknowledge receipt of an interchange along with any errors associated with the messages contained from the functional group, message, segment and/or data element level. The second way that the CONTRL message can be used is simply to acknowledge receipt of an interchange. Action code 4 and 7 are used when the complete syntactic check of the interchange is done prior to preparation of the CONTRL message. Action code 8 is only to be used when only acknowledging receipt of an interchange. The complete code list for Data Element 0085 is found in UN/EDIFACT R.1010 documentation.

**4 This level and all lower levels rejected**  
*The corresponding referenced-level and all its lower referenced-levels are rejected. One or more errors are reported at this reporting-level or a lower reporting-level.*

**7 This level acknowledged, next lower level acknowledged if explicitly rejected**  
*The corresponding referenced-level is acknowledged. All messages or functional groups at the next lower referenced-level are acknowledged except those explicitly reported as rejected at the next lower reporting-level in this CONTRL message.*

**8 Interchange received**  
*The subject interchange has been received. UNB, UNZ and UNA if present, is acknowledged. The other parts of the interchange will be acknowledged or rejected in a subsequent CONTRL message.*

UCI05      **0085 ERROR TYPE, CODED**      **C an..3**  
A code indicating a type of error in an interchange.

**1 UNA not supported**  
*Notification that the UNA character string cannot be understood or complied with.*

**10 Data element attribute error**  
*Indication that a data element does not conform to the relevant message or segment specification.*

**11 Password invalid**  
*Indication that the password in segment UNB is invalid.*

**12 Invalid value**  
*Notification that the value of a simple data element, composite data element or component data element does not conform to the relevant specifications for the value.*

13	<b>Missing</b> <i>Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing</i>
14	<b>Value not supported in this position</b> <i>Notification that the recipient does not support use of the specific value of an identified simple data element, composite data element or component data element in the position where it is used. The value may be valid according to the relevant specifications and may be supported if it is used in another position.</i>
15	<b>Not supported in this position</b> <i>Notification that the recipient does not support use of the segment type, simple data element type, composite data element type or component data element type in the specific in the identified position.</i>
16	<b>Too many constituents</b> <i>Notification that the identified segment contained too many data elements or that the identified composite data element contained too many component data elements.</i>
17	<b>No agreement</b> <i>No agreement exist that allows receipt of an interchange, functional group or message with the value of the identified simple data element, composite data element or component data element.</i>
18	<b>Unspecified error</b> <i>Notification that an error has been identified, but the nature of the error is not reported.</i>
19	<b>Invalid decimal notation</b> <i>Notification that the character indicated as decimal notation in UNA is invalid, or the decimal notation used in a data element is not consistent with the one indicated in UNA.</i>
2	<b>Syntax version or level not supported</b> <i>Notification that the syntax version and/or level is not supported by the recipient.</i>
20	<b>Character invalid as service character</b> <i>Notification that a character advised in UNA is invalid as service character.</i>

21	<b>Invalid character(s)</b> <i>Notification that one or more character(s) used in the interchange is not a valid character as defined by the syntax level indicated in UNB. The invalid character is part of the referenced-level, or followed immediately after the identified part of the interchange.</i>
22	<b>Invalid service character(s)</b> <i>Notification that the service character(s) used in the interchange is not a valid service character as advised in UNA or not one of the service characters in the syntax level indicated in UNB or defined in an interchange agreement. If the code is used in UCS or UCD, the invalid character followed immediately after the identified part of the interchange.</i>
23	<b>Unknown Interchange sender</b> <i>Notification that the Interchange sender (S002) is unknown.</i>
24	<b>Too old</b> <i>Notification that the received interchange or functional group is older than a limit specified in an IA or determined by the recipient.</i>
25	<b>Test indicator not supported</b> <i>Notification that a test processing could not be performed for the identified interchange, functional group or message.</i>
26	<b>Duplicate detected</b> <i>Notification that a possible duplication of a previously received interchange, functional group or message has been detected. The earlier transmission may have been rejected.</i>
27	<b>Security function not supported</b> <i>Notification that a security function related to the referenced-level or data element is not supported.</i>
28	<b>References do not match</b> <i>Notification that the control reference in UNB/UNG/UNH does not match the one in UNZ/UNE/UNT.</i>
29	<b>Control count does not match number of instances received</b> <i>Notification that the number of functional groups/messages/segments does not match the number given in UNZ/UNE/UNT.</i>
3	<b>Message version/release not supported</b> <i>Notification that the message type, version number and/or release number in the UNG and/or UNH segments are not supported by the recipient.</i>

30	<b>Functional groups and messages mixed</b> <i>Notification that individual messages and functional groups have been mixed at the same level in the interchange.</i>
31	<b>More than one message type in group</b> <i>Notification that different message types are contained in a functional group.</i>
32	<b>Lower level empty</b> <i>Notification that the interchange did not contain any messages or functional groups, or a functional group did not contain any messages.</i>
33	<b>Invalid occurrence outside message or functional group</b> <i>Notification that an invalid segment or data element occurred in the interchange, between messages or between functional groups. Rejection is reported at the level above.</i>
34	<b>Nesting indicator not allowed</b> <i>Notification that explicit nesting has been used in a message where it shall not be used.</i>
35	<b>Too many segment repetitions</b> <i>Notification that a segment was repeated too many times.</i>
36	<b>Too many segment group repetitions</b> <i>Notification that a segment group is repeated too many times.</i>
37	<b>Invalid type of character(s)</b> <i>Notification that one or more numeric characters were used in an alphabetic (component) data element or that one or more alphabetic characters were used in a numeric (component) data element.</i>
38	<b>Missing digit in front of decimal sign</b> <i>Notification that a decimal sign is not preceded by one or more digits.</i>
39	<b>Data element too long</b> <i>Notification that the length of the data element received exceeded the maximum length specified in the data element description.</i>
4	<b>Service segment missing/invalid</b> <i>Notification that a service segment is missing, contains invalid data or cannot be processed for any reason.</i>
40	<b>Data element too short</b> <i>Notification that the length of the data element received is shorter than the minimum length specified in the data element description.</i>

<b>41</b>	<b>Permanent communication network error</b> <i>Notification that a permanent error was reported by the communication network used for transfer of the interchange. Re-transmission of an identical interchange with the same parameters at network level will not succeed.</i>
<b>42</b>	<b>Temporary communication network error</b> <i>Notification that a temporary error was reported by the communication network used for transfer of the interchange. Re-transmissions of an identical interchange may succeed.</i>
<b>43</b>	<b>Unknown interchange recipient</b> <i>Notification that the interchange recipient is not known by a network provider.</i>
<b>5</b>	<b>Trailer check in error</b> <i>Notification that data contained in the trailer does not agree with data in the header and/or that the functional group or message or segment count is incorrect.</i>
<b>6</b>	<b>Data segment missing/invalid</b> <i>Notification that a data segment is missing, contains invalid data or cannot be processed for any reason.</i>
<b>7</b>	<b>Interchange recipient not actual recipient</b> <i>Notification that the Interchange recipient (S003) is different from the actual recipient.</i>
<b>8</b>	<b>Too many data elements in segment</b> <i>Indication that a data segment contains too many data elements.</i>
<b>9</b>	<b>Mandatory data element missing</b> <i>Indication that a mandatory data element is missing in a service or data segment.</i>

<b>UCI06</b>	<b>0013</b>	<b>SEGMENT TAG</b> Code identifying a segment.	<b>C</b>	<b>a..3</b>
<b>UCI07</b>	<b>S011</b>	<b>DATA ELEMENT IDENTIFICATION</b> 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 component data element in the definition a composite data element.	<b>C</b>	
<b>UCI07 - 1</b>	<b>0098</b>	<b>Erroneous data element position in segment</b> The numerical count position of the simple or composite data element in error. The segment code and each following simple or composite data element defined in the segment description shall cause the count to be incremented. The segment tag has position number 1.	<b>M</b>	<b>n..3</b>
<b>UCI07 - 2</b>	<b>0104</b>	<b>Erroneous component data element position</b> The numerical count position of the component data element in error. Each component data element position defined in the composite data element description shall cause the count to be incremented. The count starts at 1.	<b>C</b>	<b>n..3</b>

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**GROUP: 1 UCM**

STATUS: Conditional

REPEAT: 123456

FUNCTION: A group of segments sent in response to a message in the subject interchange identified in the UCI segment. This segment group is only used if the subject interchange does not contain functional groups.

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**SEGMENT: UCM Message Response**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To identify a message in the subject interchange, and to indicate that message's acknowledgment or rejection (action taken), and to identify any error related to the UNH and UNT segments.

CLARIFICATION: A segment identifying a message in the subject interchange, indicating that message's acknowledgement or rejection (action taken), and identifying any error related to the UNH and UNT segments.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UCM01	<b>0062 MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M	an..14
UCM02	<b>S009 MESSAGE IDENTIFIER</b> Identification of the type, version etc. of the message being interchanged.	M	
UCM02 - 1	<b>0065 Message type identifier</b> Code identifying a type of message and assigned by its controlling agency.	M	an..6
UCM02 - 2	<b>0052 Message type version number</b> Version number of a message type.	M	an..3
UCM02 - 3	<b>0054 Message type release number</b> Release number within the current message type version number (0052).	M	an..3
UCM02 - 4	<b>0051 Controlling agency</b> Code identifying the agency controlling the specification, maintenance and publication of the message type.	M	an..2
UCM02 - 5	<b>0057 Association assigned code</b> Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. Note: Use codes defined by association given in 0051.	C	an..6
UCM03	<b>0083 ACTION, CODED</b> A code which in acknowledgement service message states the action taken.	M	an..3

Action code 4, 7, and 8 are defined for the Action code. As noted in the beginning paragraph of this implementation guide, the CONTRL message can be used in one of two ways. The first way is to acknowledge receipt of an interchange along with any errors associated with the messages contained from the functional group, message, segment and/or data element level. The second way that the CONTRL message can be used is simply to acknowledge receipt of an interchange. Action code 4 and 7 are used when the complete syntactic check of the interchange is done prior to preparation of the CONTRL message. Action code 8 is only to be used when only acknowledging receipt of an interchange. The complete code list for Data Element 0085 is found in UN/EDIFACT R.1010 documentation.

**4**      **This level and all lower levels rejected**  
*The corresponding referenced-level and all its lower referenced-levels are rejected. One or more errors are reported at this reporting-level or a lower reporting-level.*

**7**      **This level acknowledged, next lower level acknowledged if explicitly rejected**  
*The corresponding referenced-level is acknowledged. All messages or functional groups at the next lower referenced-level are acknowledged except those explicitly reported as rejected at the next lower reporting-level in this CONTRL message.*

**8**      **Interchange received**  
*The subject interchange has been received. UNB, UNZ and UNA if present, is acknowledged. The other parts of the interchange will be acknowledged or rejected in a subsequent CONTRL message.*

**UCM04**      **0085 ERROR TYPE, CODED**      **C an..3**  
A code indicating a type of error in an interchange.

**1**      **UNA not supported**  
*Notification that the UNA character string cannot be understood or complied with.*

**10**      **Data element attribute error**  
*Indication that a data element does not conform to the relevant message or segment specification.*

**11**      **Password invalid**  
*Indication that the password in segment UNB is invalid.*

**12**      **Invalid value**  
*Notification that the value of a simple data element, composite data element or component data element does not conform to the relevant specifications for the value.*

13	<b>Missing</b> <i>Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing</i>
14	<b>Value not supported in this position</b> <i>Notification that the recipient does not support use of the specific value of an identified simple data element, composite data element or component data element in the position where it is used. The value may be valid according to the relevant specifications and may be supported if it is used in another position.</i>
15	<b>Not supported in this position</b> <i>Notification that the recipient does not support use of the segment type, simple data element type, composite data element type or component data element type in the specific in the identified position.</i>
16	<b>Too many constituents</b> <i>Notification that the identified segment contained too many data elements or that the identified composite data element contained too many component data elements.</i>
17	<b>No agreement</b> <i>No agreement exist that allows receipt of an interchange, functional group or message with the value of the identified simple data element, composite data element or component data element.</i>
18	<b>Unspecified error</b> <i>Notification that an error has been identified, but the nature of the error is not reported.</i>
19	<b>Invalid decimal notation</b> <i>Notification that the character indicated as decimal notation in UNA is invalid, or the decimal notation used in a data element is not consistent with the one indicated in UNA.</i>
2	<b>Syntax version or level not supported</b> <i>Notification that the syntax version and/or level is not supported by the recipient.</i>
20	<b>Character invalid as service character</b> <i>Notification that a character advised in UNA is invalid as service character.</i>

21	<b>Invalid character(s)</b> <i>Notification that one or more character(s) used in the interchange is not a valid character as defined by the syntax level indicated in UNB. The invalid character is part of the referenced-level, or followed immediately after the identified part of the interchange.</i>
22	<b>Invalid service character(s)</b> <i>Notification that the service character(s) used in the interchange is not a valid service character as advised in UNA or not one of the service characters in the syntax level indicated in UNB or defined in an interchange agreement. If the code is used in UCS or UCD, the invalid character followed immediately after the identified part of the interchange.</i>
23	<b>Unknown Interchange sender</b> <i>Notification that the Interchange sender (S002) is unknown.</i>
24	<b>Too old</b> <i>Notification that the received interchange or functional group is older than a limit specified in an IA or determined by the recipient.</i>
25	<b>Test indicator not supported</b> <i>Notification that a test processing could not be performed for the identified interchange, functional group or message.</i>
26	<b>Duplicate detected</b> <i>Notification that a possible duplication of a previously received interchange, functional group or message has been detected. The earlier transmission may have been rejected.</i>
27	<b>Security function not supported</b> <i>Notification that a security function related to the referenced-level or data element is not supported.</i>
28	<b>References do not match</b> <i>Notification that the control reference in UNB/UNG/UNH does not match the one in UNZ/UNE/UNT.</i>
29	<b>Control count does not match number of instances received</b> <i>Notification that the number of functional groups/messages/segments does not match the number given in UNZ/UNE/UNT.</i>
3	<b>Message version/release not supported</b> <i>Notification that the message type, version number and/or release number in the UNG and/or UNH segments are not supported by the recipient.</i>

30	<b>Functional groups and messages mixed</b> <i>Notification that individual messages and functional groups have been mixed at the same level in the interchange.</i>
31	<b>More than one message type in group</b> <i>Notification that different message types are contained in a functional group.</i>
32	<b>Lower level empty</b> <i>Notification that the interchange did not contain any messages or functional groups, or a functional group did not contain any messages.</i>
33	<b>Invalid occurrence outside message or functional group</b> <i>Notification that an invalid segment or data element occurred in the interchange, between messages or between functional groups. Rejection is reported at the level above.</i>
34	<b>Nesting indicator not allowed</b> <i>Notification that explicit nesting has been used in a message where it shall not be used.</i>
35	<b>Too many segment repetitions</b> <i>Notification that a segment was repeated too many times.</i>
36	<b>Too many segment group repetitions</b> <i>Notification that a segment group is repeated too many times.</i>
37	<b>Invalid type of character(s)</b> <i>Notification that one or more numeric characters were used in an alphabetic (component) data element or that one or more alphabetic characters were used in a numeric (component) data element.</i>
38	<b>Missing digit in front of decimal sign</b> <i>Notification that a decimal sign is not preceded by one or more digits.</i>
39	<b>Data element too long</b> <i>Notification that the length of the data element received exceeded the maximum length specified in the data element description.</i>
4	<b>Service segment missing/invalid</b> <i>Notification that a service segment is missing, contains invalid data or cannot be processed for any reason.</i>
40	<b>Data element too short</b> <i>Notification that the length of the data element received is shorter than the minimum length specified in the data element description.</i>

<b>41</b>	<b>Permanent communication network error</b> <i>Notification that a permanent error was reported by the communication network used for transfer of the interchange. Re-transmission of an identical interchange with the same parameters at network level will not succeed.</i>
<b>42</b>	<b>Temporary communication network error</b> <i>Notification that a temporary error was reported by the communication network used for transfer of the interchange. Re-transmissions of an identical interchange may succeed.</i>
<b>43</b>	<b>Unknown interchange recipient</b> <i>Notification that the interchange recipient is not known by a network provider.</i>
<b>5</b>	<b>Trailer check in error</b> <i>Notification that data contained in the trailer does not agree with data in the header and/or that the functional group or message or segment count is incorrect.</i>
<b>6</b>	<b>Data segment missing/invalid</b> <i>Notification that a data segment is missing, contains invalid data or cannot be processed for any reason.</i>
<b>7</b>	<b>Interchange recipient not actual recipient</b> <i>Notification that the Interchange recipient (S003) is different from the actual recipient.</i>
<b>8</b>	<b>Too many data elements in segment</b> <i>Indication that a data segment contains too many data elements.</i>
<b>9</b>	<b>Mandatory data element missing</b> <i>Indication that a mandatory data element is missing in a service or data segment.</i>

<b>UCM05</b>	<b>0013</b>	<b>SEGMENT TAG</b> Code identifying a segment.	<b>C</b>	<b>a..3</b>
<b>UCM06</b>	<b>S011</b>	<b>DATA ELEMENT IDENTIFICATION</b> 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 component data element in the definition a composite data element.	<b>C</b>	
<b>UCM06 - 1</b>	<b>0098</b>	<b>Erroneous data element position in segment</b> The numerical count position of the simple or composite data element in error. The segment code and each following simple or composite data element defined in the segment description shall cause the count to be incremented. The segment tag has position number 1.	<b>M</b>	<b>n..3</b>
<b>UCM06 - 2</b>	<b>0104</b>	<b>Erroneous component data element position</b> The numerical count position of the component data element in error. Each component data element position defined in the composite data element description shall cause the count to be incremented. The count starts at 1.	<b>C</b>	<b>n..3</b>

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**GROUP: 2 UCM/UCS**

STATUS: Conditional

REPEAT: 999

FUNCTION: A group of segments sent in response to a segment containing one or more errors, and which was part of the message identified by the UCM segment in segment group 1.

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**SEGMENT: UCS Segment Error Indication**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To identify either a segment containing an error or a missed segment, and to identify any error related to the complete segment.

CLARIFICATION: A segment identifying a segment in the message, indicating that this segment contains an error, and identifying any error related to the complete segment.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UCS01	<b>0096 SEGMENT POSITION IN MESSAGE</b> The numerical count position of a specific segment that is within the actual received message. The numbering starts with, and includes, the UNH segment as segment number 1. To identify a segment that contains an error, this is the numerical count position of that segment. To report that a segment is missing, this is the numerical count position of the last segment that was processed before the position where the missing segment was expected to be. A missing segment group is denoted by identifying the first segment in the group as missing.	<b>M</b>	<b>n..6</b>
UCS02	<b>0085 ERROR TYPE, CODED</b> A code indicating a type of error in an interchange. <b>See code list in R.1010 for DE0085.</b>	<b>C</b>	<b>an..3</b>

SEGMENT: **UCD**    **Data Element Error Indication**

GROUP: 2-UCM/UCS

STATUS: Conditional

REPEAT: 99

FUNCTION: To identify an erroneous simple, composite or component data element, and to identify the nature of the error.

CLARIFICATION: A segment identifying an erroneous simple, composite or component data element in the segment identified by the UCS segment in segment group 2, and identifying the nature of the error.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UCD01	<b>0085 ERROR TYPE, CODED</b>	<b>M</b>	<b>an..3</b>
	A code indicating a type of error in an interchange.		
	<b>1</b>	<b>UNA not supported</b>	<i>Notification that the UNA character string cannot be understood or complied with.</i>
	<b>10</b>	<b>Data element attribute error</b>	<i>Indication that a data element does not conform to the relevant message or segment specification.</i>
	<b>11</b>	<b>Password invalid</b>	<i>Indication that the password in segment UNB is invalid.</i>
	<b>12</b>	<b>Invalid value</b>	<i>Notification that the value of a simple data element, composite data element or component data element does not conform to the relevant specifications for the value.</i>
	<b>13</b>	<b>Missing</b>	<i>Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing</i>
	<b>14</b>	<b>Value not supported in this position</b>	<i>Notification that the recipient does not support use of the specific value of an identified simple data element, composite data element or component data element in the position where it is used. The value may be valid according to the relevant specifications and may be supported if it is used in another position.</i>
	<b>15</b>	<b>Not supported in this position</b>	<i>Notification that the recipient does not support use of the segment type, simple data element type, composite data element type or component data element type in the specific in the identified position.</i>

<b>16</b>	<b>Too many constituents</b> <i>Notification that the identified segment contained too many data elements or that the identified composite data element contained too many component data elements.</i>
<b>17</b>	<b>No agreement</b> <i>No agreement exist that allows receipt of an interchange, functional group or message with the value of the identified simple data element, composite data element or component data element.</i>
<b>18</b>	<b>Unspecified error</b> <i>Notification that an error has been identified, but the nature of the error is not reported.</i>
<b>19</b>	<b>Invalid decimal notation</b> <i>Notification that the character indicated as decimal notation in UNA is invalid, or the decimal notation used in a data element is not consistent with the one indicated in UNA.</i>
<b>2</b>	<b>Syntax version or level not supported</b> <i>Notification that the syntax version and/or level is not supported by the recipient.</i>
<b>20</b>	<b>Character invalid as service character</b> <i>Notification that a character advised in UNA is invalid as service character.</i>
<b>21</b>	<b>Invalid character(s)</b> <i>Notification that one or more character(s) used in the interchange is not a valid character as defined by the syntax level indicated in UNB. The invalid character is part of the referenced-level, or followed immediately after the identified part of the interchange.</i>
<b>22</b>	<b>Invalid service character(s)</b> <i>Notification that the service character(s) used in the interchange is not a valid service character as advised in UNA or not one of the service characters in the syntax level indicated in UNB or defined in an interchange agreement. If the code is used in UCS or UCD, the invalid character followed immediately after the identified part of the interchange.</i>
<b>23</b>	<b>Unknown Interchange sender</b> <i>Notification that the Interchange sender (S002) is unknown.</i>
<b>24</b>	<b>Too old</b> <i>Notification that the received interchange or functional group is older than a limit specified in an IA or determined by the recipient.</i>

25	<b>Test indicator not supported</b> <i>Notification that a test processing could not be performed for the identified interchange, functional group or message.</i>
26	<b>Duplicate detected</b> <i>Notification that a possible duplication of a previously received interchange, functional group or message has been detected. The earlier transmission may have been rejected.</i>
27	<b>Security function not supported</b> <i>Notification that a security function related to the referenced-level or data element is not supported.</i>
28	<b>References do not match</b> <i>Notification that the control reference in UNB/UNG/UNH does not match the one in UNZ/UNE/UNT.</i>
29	<b>Control count does not match number of instances received</b> <i>Notification that the number of functional groups/messages/segments does not match the number given in UNZ/UNE/UNT.</i>
3	<b>Message version/release not supported</b> <i>Notification that the message type, version number and/or release number in the UNG and/or UNH segments are not supported by the recipient.</i>
30	<b>Functional groups and messages mixed</b> <i>Notification that individual messages and functional groups have been mixed at the same level in the interchange.</i>
31	<b>More than one message type in group</b> <i>Notification that different message types are contained in a functional group.</i>
32	<b>Lower level empty</b> <i>Notification that the interchange did not contain any messages or functional groups, or a functional group did not contain any messages.</i>
33	<b>Invalid occurrence outside message or functional group</b> <i>Notification that an invalid segment or data element occurred in the interchange, between messages or between functional groups. Rejection is reported at the level above.</i>
34	<b>Nesting indicator not allowed</b> <i>Notification that explicit nesting has been used in a message where it shall not be used.</i>
35	<b>Too many segment repetitions</b> <i>Notification that a segment was repeated too many times.</i>

36	<b>Too many segment group repetitions</b> <i>Notification that a segment group is repeated to many times.</i>
37	<b>Invalid type of character(s)</b> <i>Notification that one or more numeric characters were used in an alphabetic (component) data element or that one or more alphabetic characters were used in a numeric (component) data element.</i>
38	<b>Missing digit in front of decimal sign</b> <i>Notification that a decimal sign is not preceded by one or more digits.</i>
39	<b>Data element too long</b> <i>Notification that the length of the data element received exceeded the maximum length specified in the data element description.</i>
4	<b>Service segment missing/invalid</b> <i>Notification that a service segment is missing, contains invalid data or cannot be processed for any reason.</i>
40	<b>Data element too short</b> <i>Notification that the length of the data element received is shorter than the minimum length specified in the data element description.</i>
41	<b>Permanent communication network error</b> <i>Notification that a permanent error was reported by the communication network used for transfer of the interchange. Re-transmission of an identical interchange with the same parameters at network level will not succeed.</i>
42	<b>Temporary communication network error</b> <i>Notification that a temporary error was reported by the communication network used for transfer of the interchange. Re-transmissions of an identical interchange may succeed.</i>
43	<b>Unknown interchange recipient</b> <i>Notification that the interchange recipient is not known by a network provider.</i>
5	<b>Trailer check in error</b> <i>Notification that data contained in the trailer does not agree with data in the header and/or that the functional group or message or segment count is incorrect.</i>
6	<b>Data segment missing/invalid</b> <i>Notification that a data segment is missing, contains invalid data or cannot be processed for any reason.</i>

**7 Interchange recipient not actual recipient**  
*Notification that the Interchange recipient (S003) is different from the actual recipient.*

**8 Too many data elements in segment**  
*Indication that a data segment contains too many data elements.*

**9 Mandatory data element missing**  
*Indication that a mandatory data element is missing in a service or data segment.*

<b>UCD02</b>	<b>S011</b>	<b>DATA ELEMENT IDENTIFICATION</b>	<b>M</b>	
		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 component data element in the definition a composite data element.		
<b>UCD02 - 1</b>		<b>0098 Erroneous data element position in segment</b>	<b>M</b>	<b>n..3</b>
		The numerical count position of the simple or composite data element in error. The segment code and each following simple or composite data element defined in the segment description shall cause the count to be incremented. The segment tag has position number 1.		
<b>UCD02 - 2</b>		<b>0104 Erroneous component data element position</b>	<b>C</b>	<b>n..3</b>
		The numerical count position of the component data element in error. Each component data element position defined in the composite data element description shall cause the count to be incremented. The count starts at 1.		

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**GROUP: 3 UCF**

STATUS: Conditional

REPEAT: 123456

FUNCTION: A group of segments sent in response to a functional group in the subject interchange identified in the UCI segment. This segment group is only used if the subject interchange contains functional groups.

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**SEGMENT: UCF Functional Group Response**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To identify a functional group in the subject interchange and to indicate acknowledgment or rejection (action taken) of the UNG and UNE 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 within that functional group.

CLARIFICATION: A segment identifying a functional group in the subject interchange. It also indicates acknowledgement or rejection (action taken) of the UNG and UNE segments, and identifies any error related to these segments. Depending on the action code, it may also indicate the action taken on the messages within that functional group.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UCF01	<b>0048 FUNCTIONAL GROUP REFERENCE NUMBER</b> Reference number for the functional group assigned by and unique within the sender's division, department etc.	<b>M</b>	<b>an..14</b>
UCF02	<b>S006 APPLICATION SENDER'S IDENTIFICATION</b> Identification of the sender's division, department etc. from which a group of messages is sent.	<b>M</b>	
UCF02 - 1	<b>0040 Sender identification</b> Name or code identifying the originating division, department etc. within the sender's organization.	<b>M</b>	<b>an..35</b>
UCF02 - 2	<b>0007 Identification qualifier</b> Qualifier referring to the source of codes for the identifiers of interchanging partners.	<b>C</b>	<b>an..4</b>
UCF03	<b>S007 APPLICATION RECIPIENT'S IDENTIFICATION</b> Identification of the recipient's division, department etc. for which a group of messages is intended.	<b>M</b>	
UCF03 - 1	<b>0044 Recipient's identification</b> Name or code identifying the division, department etc. within the recipient's organization for which the group of messages is intended.	<b>M</b>	<b>an..35</b>
UCF03 - 2	<b>0007 Identification qualifier</b> Qualifier referring to the source of codes for the identifiers of interchanging partners.	<b>C</b>	<b>an..4</b>
UCF04	<b>0083 ACTION, CODED</b> A code which in acknowledgement service message states the action taken.	<b>M</b>	<b>an..3</b>

Action code 4, 7, and 8 are defined for the Action code. As noted in the beginning paragraph of this implementation guide, the CONTRL message can be used in one of two ways. The first way is to acknowledge receipt of an interchange along with any errors associated with the messages contained from the functional group, message, segment and/or data element level. The second way that the CONTRL message can be used is simply to acknowledge receipt of an interchange. Action code 4 and 7 are used when the complete syntactic check of the interchange is done prior to preparation of the CONTRL message. Action code 8 is only to be used when only acknowledging receipt of an interchange. The complete code list for Data Element 0085 is found in UN/EDIFACT R.1010 documentation.

**4 This level and all lower levels rejected**  
*The corresponding referenced-level and all its lower referenced-levels are rejected. One or more errors are reported at this reporting-level or a lower reporting-level.*

**7 This level acknowledged, next lower level acknowledged if explicitly rejected**  
*The corresponding referenced-level is acknowledged. All messages or functional groups at the next lower referenced-level are acknowledged except those explicitly reported as rejected at the next lower reporting-level in this CONTRL message.*

**8 Interchange received**  
*The subject interchange has been received. UNB, UNZ and UNA if present, is acknowledged. The other parts of the interchange will be acknowledged or rejected in a subsequent CONTRL message.*

UCF05

0085 ERROR TYPE, CODED

C an..3

A code indicating a type of error in an interchange.

**1 UNA not supported**  
*Notification that the UNA character string cannot be understood or complied with.*

**10 Data element attribute error**  
*Indication that a data element does not conform to the relevant message or segment specification.*

**11 Password invalid**  
*Indication that the password in segment UNB is invalid.*

**12 Invalid value**  
*Notification that the value of a simple data element, composite data element or component data element does not conform to the relevant specifications for the value.*

13	<b>Missing</b> <i>Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing</i>
14	<b>Value not supported in this position</b> <i>Notification that the recipient does not support use of the specific value of an identified simple data element, composite data element or component data element in the position where it is used. The value may be valid according to the relevant specifications and may be supported if it is used in another position.</i>
15	<b>Not supported in this position</b> <i>Notification that the recipient does not support use of the segment type, simple data element type, composite data element type or component data element type in the specific in the identified position.</i>
16	<b>Too many constituents</b> <i>Notification that the identified segment contained too many data elements or that the identified composite data element contained too many component data elements.</i>
17	<b>No agreement</b> <i>No agreement exist that allows receipt of an interchange, functional group or message with the value of the identified simple data element, composite data element or component data element.</i>
18	<b>Unspecified error</b> <i>Notification that an error has been identified, but the nature of the error is not reported.</i>
19	<b>Invalid decimal notation</b> <i>Notification that the character indicated as decimal notation in UNA is invalid, or the decimal notation used in a data element is not consistent with the one indicated in UNA.</i>
2	<b>Syntax version or level not supported</b> <i>Notification that the syntax version and/or level is not supported by the recipient.</i>
20	<b>Character invalid as service character</b> <i>Notification that a character advised in UNA is invalid as service character.</i>

21	<b>Invalid character(s)</b> <i>Notification that one or more character(s) used in the interchange is not a valid character as defined by the syntax level indicated in UNB. The invalid character is part of the referenced-level, or followed immediately after the identified part of the interchange.</i>
22	<b>Invalid service character(s)</b> <i>Notification that the service character(s) used in the interchange is not a valid service character as advised in UNA or not one of the service characters in the syntax level indicated in UNB or defined in an interchange agreement. If the code is used in UCS or UCD, the invalid character followed immediately after the identified part of the interchange.</i>
23	<b>Unknown Interchange sender</b> <i>Notification that the Interchange sender (S002) is unknown.</i>
24	<b>Too old</b> <i>Notification that the received interchange or functional group is older than a limit specified in an IA or determined by the recipient.</i>
25	<b>Test indicator not supported</b> <i>Notification that a test processing could not be performed for the identified interchange, functional group or message.</i>
26	<b>Duplicate detected</b> <i>Notification that a possible duplication of a previously received interchange, functional group or message has been detected. The earlier transmission may have been rejected.</i>
27	<b>Security function not supported</b> <i>Notification that a security function related to the referenced-level or data element is not supported.</i>
28	<b>References do not match</b> <i>Notification that the control reference in UNB/UNG/UNH does not match the one in UNZ/UNE/UNT.</i>
29	<b>Control count does not match number of instances received</b> <i>Notification that the number of functional groups/messages/segments does not match the number given in UNZ/UNE/UNT.</i>
3	<b>Message version/release not supported</b> <i>Notification that the message type, version number and/or release number in the UNG and/or UNH segments are not supported by the recipient.</i>

30	<b>Functional groups and messages mixed</b> <i>Notification that individual messages and functional groups have been mixed at the same level in the interchange.</i>
31	<b>More than one message type in group</b> <i>Notification that different message types are contained in a functional group.</i>
32	<b>Lower level empty</b> <i>Notification that the interchange did not contain any messages or functional groups, or a functional group did not contain any messages.</i>
33	<b>Invalid occurrence outside message or functional group</b> <i>Notification that an invalid segment or data element occurred in the interchange, between messages or between functional groups. Rejection is reported at the level above.</i>
34	<b>Nesting indicator not allowed</b> <i>Notification that explicit nesting has been used in a message where it shall not be used.</i>
35	<b>Too many segment repetitions</b> <i>Notification that a segment was repeated too many times.</i>
36	<b>Too many segment group repetitions</b> <i>Notification that a segment group is repeated too many times.</i>
37	<b>Invalid type of character(s)</b> <i>Notification that one or more numeric characters were used in an alphabetic (component) data element or that one or more alphabetic characters were used in a numeric (component) data element.</i>
38	<b>Missing digit in front of decimal sign</b> <i>Notification that a decimal sign is not preceded by one or more digits.</i>
39	<b>Data element too long</b> <i>Notification that the length of the data element received exceeded the maximum length specified in the data element description.</i>
4	<b>Service segment missing/invalid</b> <i>Notification that a service segment is missing, contains invalid data or cannot be processed for any reason.</i>
40	<b>Data element too short</b> <i>Notification that the length of the data element received is shorter than the minimum length specified in the data element description.</i>

<b>41</b>	<b>Permanent communication network error</b> <i>Notification that a permanent error was reported by the communication network used for transfer of the interchange. Re-transmission of an identical interchange with the same parameters at network level will not succeed.</i>
<b>42</b>	<b>Temporary communication network error</b> <i>Notification that a temporary error was reported by the communication network used for transfer of the interchange. Re-transmissions of an identical interchange may succeed.</i>
<b>43</b>	<b>Unknown interchange recipient</b> <i>Notification that the interchange recipient is not known by a network provider.</i>
<b>5</b>	<b>Trailer check in error</b> <i>Notification that data contained in the trailer does not agree with data in the header and/or that the functional group or message or segment count is incorrect.</i>
<b>6</b>	<b>Data segment missing/invalid</b> <i>Notification that a data segment is missing, contains invalid data or cannot be processed for any reason.</i>
<b>7</b>	<b>Interchange recipient not actual recipient</b> <i>Notification that the Interchange recipient (S003) is different from the actual recipient.</i>
<b>8</b>	<b>Too many data elements in segment</b> <i>Indication that a data segment contains too many data elements.</i>
<b>9</b>	<b>Mandatory data element missing</b> <i>Indication that a mandatory data element is missing in a service or data segment.</i>

<b>UCF06</b>	<b>0013</b>	<b>SEGMENT TAG</b> Code identifying a segment.	<b>C</b>	<b>a..3</b>
<b>UCF07</b>	<b>S011</b>	<b>DATA ELEMENT IDENTIFICATION</b> 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 component data element in the definition a composite data element.	<b>C</b>	
<b>UCF07 - 1</b>	<b>0098</b>	<b>Erroneous data element position in segment</b> The numerical count position of the simple or composite data element in error. The segment code and each following simple or composite data element defined in the segment description shall cause the count to be incremented. The segment tag has position number 1.	<b>M</b>	<b>n..3</b>
<b>UCF07 - 2</b>	<b>0104</b>	<b>Erroneous component data element position</b> The numerical count position of the component data element in error. Each component data element position defined in the composite data element description shall cause the count to be incremented. The count starts at 1.	<b>C</b>	<b>n..3</b>

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SEGMENT: **UNT**      **Message trailer**

STATUS: Mandatory

REPEAT: 1

FUNCTION: To end and check the completeness of a message.

CLARIFICATION: A service segment ending a message, giving the total number of segments in the message and the control reference number.

**Data Element Summary**

REFERENCE DES.	TAG - NAME	ST.	REPR.
UNT01	<b>0074 NUMBER OF SEGMENTS IN A MESSAGE</b> Control count of number of segments in a message.	M	n..6
UNT02	<b>0062 MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M	an..14

**This number must equal the number in UNH01 (DE0062).**

