GENERAL MOTORS IMPLEMENTATION GUIDELINES

FOR

CONTRL MESSAGE

ACKNOWLEDGEMENT/REJECTION ADVICE MESSAGE

CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION

CONTRL Development Committee Members

Name	Division
Bruce D Wolfe	Delco Electronics
Gary Majer	Global Material Systems (GMS)
Susan McClean	Global Material Systems (GMS)
Kathleen Doherty	GM SPO
Brenda Morgan	GM SPO
Ralf Lehmann	GME Trading Partner Communications
Molly Anderson	Global Partner Communications
Scott Cline	Saturn
Bob Warner	Saturn
Melanie McCarthy	Information Systems & Services
Irvin Chmielewski	EDS/ECSD
Jess Pringle	EDS/ECSD
Marjorie Ballou	EDS/SPO

TABLE OF CONTENTS

GENERAL INFORMATION

PURPOSE

This Implementation Guideline details how General Motors intends to exchange information using the Acknowledgement/Rejection Advice message. The same interpretation of the data elements should used by both trading partners, whether they are the sender or receiver of the message. This message is commonly referred to as the CONTRL Message. CONTRL is a message syntactically acknowledging or rejecting, an interchange. Within the interchange it might also be used to notify the trading partners of an acknowledgement or rejection of any of its functional groups or messages. Explanations for the rejection are also clarified and communicated within the message.

APPLICATION

General Motors plans to send the EDIFACT CONTRL message when either a business situation indicates the need to acknowledge each interchange received, or to notify trading partners of a syntactically problem received in a previous interchange. Plans to migrate from the ANSI ASC X12 997 or other proprietary standards will be communicated as business plans dictate the need to change.

The typical business practice with most GM applications will be to send a separate application communication (envelops) for each interchange. Thus, the use of functional groups will not be widely used. The effect of this on the CONTRL Guideline will be to limit the message to the use of the header, the UCI Segment, Segment Group 1, Segment Group 2 and the trailer.

Occasionally there may be a need for the use of functional groups. Responses to message with functional groups should only use the header, the UCI Segment, Segment Group 3, Segment Group 4, Segment Group 5 and the trailer.

A single CONTRL Message should never include both Segment Group 1 and Segment Group 3.

STRUCTURE OF THE GM IMPLEMENTATION GUIDELINE

The GM Implementation Guideline appearing on the following pages, include the EDIFACT Boilerplate, the Segment Table, Segment explanations and various examples of the CONTRL Message. The Segment Table is a summary of the entire EDIFACT Message, in the left-hand column GM has identified when/if each Segment Group/ Segment is used. Each segment is defined as “Must Use”, Not Used or a blank denotes that the segment may be used by some GM entities. User documentation may also be available for the GM Application using the data provided from the message.

In the next portion of the document, the Segment information requirements for data element usage are also defined. GM will use the following symbols in the left column:

>>	GM requires that information is provided
X	GM does not expect to receive this information
(blank)	Some GM locations may expect to receive this data.

The Attributes column, located on the right side of the Segment information, provides the EDIFACT status and element size. GM plans to conform to the EDIFACT field parameters.

VERSION

The CONTRL message has been developed based on version 2/release 2 of the EDIFACT Standard.

RESPONSIBILITY

This document was developed by the General Motors EDIFACT Guideline Development group with the approval of the GM Electronic Commerce Business Process Team (ECBPT) and distributed internally to all General Motors EDI and CISCO Coordinators.

MAINTENANCE

Changes to this document will be reviewed by one of the General Motors Maintenance Work Group and will be subject to corporate approval through the ECBPT. The change process can only be initiated by individuals/ organizations within the General Motors Corporation.

SEGMENT DIRECTORY

CONTRL Syntax and Service Report Message

Introduction:

CONTRL is a message syntactically acknowledging or rejecting, with error indication, a received interchange, functional group or message. A CONTRL message can be used to acknowledge or reject a received interchange, functional group or message and list any errors contained therein.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
Must Use	010	UNH	Message Header	M	1		
Must Use	020	UCI	Interchange Response	M	1		
			Segment Group 1: UCM-SG2	C		999999	Messages without Functional Groups
	030	UCM	Message Response	M	1		
			Segment Group 2: UCS-UCD	C		999	
	040	UCS	Segment Error Indication	M	1		
	050	UCD	Data Element Error Indication	C	1		
			Segment Group 3: UCF-SG4	C		999999	Messages with Functional Groups
	060	UCF	Functional Group Response	M	1		
			Segment Group 4: UCM-SG5	C		999999	
	070	UCM	Message Response	M	1		
			Segment Group 5: UCS-UCD	C		999	
	080	UCS	Segment Error Indication	M	1		
	090	UCD	Data Element Error Indication	C	99		
Must Use	100	UNT	Message Trailer	M	1		

DATA SEGMENTS

Segment: **UNH** **Message Header**
Position: 010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To head, identify and specify a Message
Notes: UNH+0001+CONTRL:2:2:UN'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
>>	**0062**		**Message reference number** Unique message reference assigned by the sender. Must match the message reference number in the UNT.	**M**	**an..14**
>>	**S009**		**Message Identifier** Identification of the type, version etc. of the message being interchanged.	**M**	
>>		**0065**	**Message type identifier** Code identifying a type of message and assigned by its controlling agency. CONTRL Control message	**M**	**an..6**
>>		**0052**	**Message type version number** Version number of a message type. 2	**M**	**an..3**
>>		**0054**	**Message type release number** Release number within the current message type version number (0052). 2	**M**	**an..3**
>>		**0051**	**Controlling agency** 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)	**M**	**an..3**
X		**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.	**C**	**an..6**
X		**0110**	**Code list directory version number**	**C**	**an..6**
X		**0113**	**Message type sub-function identification**	**C**	**an..6**
X	**0068**		**Common access reference** Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	**C**	**an..35**
X	**S010**		**Status of the Transfer** Statement that the message is one in a sequence of transfers relating to the same topic.	**C**	
X		**0070**	**Sequence message transfer number** Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	**M**	**n..2**
X		**0073**	**First/last sequence message transfer indication**	**C**	**a1**

			Indication used for the first and last message in a sequence of the same type of message relating to the same topic.		
X	**S016**		**Message subset identification**	**C**	
X		**0115**	**Message subset identification**	**M**	**an..14**
X		**0116**	**Message subset version number**	**C**	**an..3**
X		**0118**	**Message subset version release number**	**C**	**an..3**
X		**0051**	**Controlling agency, coded**	**C**	**an..3**
X	**S017**		**Message Implementation Guideline Identification**	**C**	
X		**0121**	**Message implementation guideline identification**	**M**	**an..14**
X		**0122**	**Message implementation guideline version number**	**C**	**an..3**
X		**0124**	**Message implementation guideline release number**	**C**	**an..3**
X		**0051**	**Controlling agency, coded**	**C**	**an..3**
X	**S018**		**Scenario Identification**	**C**	
X		**0127**	**Scenario identification**	**M**	**an..14**
X		**0128**	**Scenario version number**	**C**	**an..3**
X		**0130**	**Scenario release number**	**C**	**an..3**
X		**0051**	**Controlling agency, coded**	**C**	**an..3**

Segment: **UCI** **Interchange Response**
Position: 020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To identify the subject interchange and 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.
Syntax Notes:
Semantic Notes:
Comments:
Notes: UCI+00000000000064+BFT:ZZ+MZ7:ZZ+7'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
>>	**0020**		**Interchange control reference**	**M**	**an..14**
			Unique reference assigned by the sender to an interchange.		
			Reference identification number unique for a calendar year.		
>>	**S002**		**Interchange sender**	**M**	
			Identification of the sender of the interchange.		
>>		**0004**	**Sender identification**	**M**	**an..35**
			Name or coded representation of the sender of a data interchange.		
			Com Code or Mailbox of the sender of the initial interchange.		
		0007	**Identification code qualifier**	**C**	**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
X		**0008**	**Address for reverse routing**	**C**	**an..14**
			Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.		
X		**0042**	**Interchange sender internal sub-identification**	**C**	**an..35**
			Sub-level of sender internal identification, when further sub-level identification is required.		
>>	**S003**		**Interchange recipient**	**M**	
			Identification of the recipient of the interchange.		
>>		**0010**	**Recipient identification**	**M**	**an..35**
			Name or coded representation of the recipient of a data interchange.		
			Com Code or Mailbox of the receiver of the initial interchange.		
		0007	**Identification code qualifier**	**C**	**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
X		**0014**	**Routing address**	**C**	**an..14**
			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.		

X		**0046**	**Interchange recipient internal sub-identification**	**C**	**an..35**
			Sub-level of recipient internal identification, when further sub-level identification is required.		
>>	**0083**		**Action, coded**	**M**	**an..3**
			A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange.		
			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 not 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 Indication of interchange receipt		
	0085		**Syntax error, coded**	**C**	**an..3**
			A code indicating the error detected.		
	0135		**Service segment tag, coded**	**C**	**a..3**
			Code identifying a segment		
	S011		**Data Element Identification**	**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 component data element in the definition a composite data element.		
		0098	**Erroneous data element position in segment.**	**M**	**n..3**
			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.		
		0104	**Erroneous component data element position**	**C**	**n..3**
			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.		
		0136	**Erroneous data element occurrence**	**C**	**n..6**
			The numerical occurrence of the repeating stand-alone or composite data element in error. Each occurrence (as indicated by the repetition separator) shall cause the count to be incremented. The count starts at 1.		
X	**0534**		**Security reference number**	**C**	**An..14**
			Unique reference number assigned by the security originator to a pair of security header and security trailer groups.		
X	**0138**		**Security segment position**	**C**	**n..6**
			The numerical count position of a specific security segment that is within the actual received security header/trailer segment group pair, identified by its security reference number. The numbering starts with, and includes, the USH segment as segment number 1. To identify a security segment that contains an error, this is the numerical count position of that security segment. To report that a security segment is missing, this is the numerical count position of the last security segment that was processed before the position where the missing		

security segment was expected to be. A missing security segment group is denoted by identifying the first segment in the security segment group as missing.

Segment: **UCM** **Message Response**
Position: 030
Group: Segment Group 1 Conditional
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.
Syntax Notes:
Semantic Notes:
Comments:
Notes: All elements contained within this Segment were extracted from the UNH Segment of the originating message.

UCM+640001+DELFOR:D:97A:UN+7'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0062**		**Message reference number**	**M an..14**
			Unique message reference assigned by the sender.	
>>	**S009**		**Message Identifier**	**M**
			Identification of the type, version etc. of the message being interchanged.	
>>		**0065**	**Message type identifier**	**M an..6**
			Code identifying a type of message and assigned by its controlling agency.	
>>		**0052**	**Message type version number**	**M an..3**
			Version number of a message type.	
>>		**0054**	**Message type release number**	**M an..3**
			Release number within the current message type version number (0052).	
>>		**0051**	**Controlling agency**	**M an..2**
			Code identifying the agency controlling the specification, maintenance and publication of the message type.	
X		**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.	
X		**0110**	**Code list directory version number**	**C an..6**
			Version number of the code list directory.	
X		**0113**	**Message type sub-function identification**	**C an..6**
			Code identifying a sub-function of a message type.	
>>	**0083**		**Action, coded**	**M an..3**
			A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange.	
			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 not 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.		
X	**0085**		**Syntax error, coded**	**C**	**an..3**
			A code indicating the error detected.		
X	**0135**		**Service segment tag, coded**	**C**	**a..3**
			Code identifying a service segment		
X	**S011**		**Data Element Identification**	**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 component data element in the definition a composite data element.		
X		**0098**	**Erroneous data element position in segment.**	**M**	**n..3**
			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.		
X		**0104**	**Erroneous component data element position**	**C**	**n..3**
			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.		
X		**0136**	**Erroneous data element occurrence**	**C**	**n..6**
			The numerical occurrence of the repeating stand-alone or composite data element in error. Each occurrence (as indicated by the repetition separator) shall cause the count to be incremented. The count starts at 1.		
X	**0800**		**Package reference number**	**C**	**an..35**
			Unique package reference number assigned by the sender.		
X	**S020**		**Reference identification**	**C**	
			Identification of the reference relating to the object.		
X		**0813**	**Reference qualifier**	**C**	**an..3**
			Code giving specific meaning to a reference identification number.		
X		**0802**	**Reference identification number**	**C**	**an..35**
			Reference number to identify a message, message group and/or interchange, which relates to the object.		
X	**0534**		**Security reference number**	**C**	**An..14**
			Unique reference number assigned by the security originator to a pair of security header and security trailer groups.		
X	**0138**		**Security segment position**	**C**	**n..6**
			The numerical count position of a specific security segment that is within the actual received security header/trailer segment group pair, identified by its security reference number. The numbering starts with, and includes, the USH segment as segment number 1. To identify a security segment that contains an error, this is the numerical count position of that security segment. To report that a security segment is missing, this is the numerical count position of the last security segment that was processed before the position where the missing security segment was expected to be. A missing security segment group is denoted by identifying the first segment in the security segment group as missing.		

Segment: **UCS** **Segment Error Indication**
Position: 040
Group: Segment Group 2 Conditional
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment.
Syntax Notes:
Semantic Notes:
Comments:
Notes: This Segment will only be used when the UCM Segment/data element 0083 is value 4 - rejected.

UCS+3' (Data element error - additional information in UCD Segment)
UCS+3+13 ' (Segment error - syntax error included in this segment)

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0096**		**Segment position in message**	**M n..6**
			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.	
	0085		**Syntax error, coded**	**C an..3**
			A code indicating the error detected.	
			This element will only occur if the error is related to a segment rather than an element.	
			13 Missing Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing.	
			15 Not supported in this position 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.	
			35 Too many segment repetitions Notification that a segment was repeated too many times.	
			36 Too many segment group repetitions Notification that a segment group is repeated to many times.	

Segment: **UCD** **Data Element Error Indication**
Position: 050
Group: Segment Group 2 Conditional
Level: 3
Usage: Conditional
Max Use: 1
Purpose: To identify an erroneous simple, composite or component data element, and to identify the nature of the error.
Syntax Notes:
Semantic Notes:
Comments:
Notes: This segment will only occur if the error is related to an element rather than a segment.

UCD+13+4'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0085**		**Syntax error, coded**	**M an..3**
			A code indicating the error detected.	
			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 Missing	
			Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing.	
			16 Too many constituents	
			Notification that the identified segment contained to many data elements or that the identified composite data element contained too many component data elements.	
			37 Invalid type of character(s)	
			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.	
			39 Data element too long	
			Notification that the length of the data element received exceeded the maximum length specified in the data element description.	
			40 Data element too short	
			Notification that the length of the data element received is shorter than the minimum length specified in the data element description.	
>>	**S011**		**Data Element Identification**	**M**
			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.	

>>	**0098**	**Erroneous data element position in segment.**	**M**	**n..3**
		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.		
	0104	**Erroneous component data element position**	**C**	**n..3**
		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.		
X	**0136**	**Erroneous data element occurrence**	**C**	**n..6**
		The numerical occurrence of the repeating stand-alone or composite data element in error. Each occurrence (as indicated by the repetition separator) shall cause the count to be incremented. The count starts at 1.		

Segment: **UCF** **Functional Group Response**
Position: 060
Group: Segment Group 3 Conditional
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify a functional group in the subject interchange and to indicate acknowledgement 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.
Syntax Notes:
Semantic Notes:
Comments:

Notes: UCF+00000000000004+BFT:ZZ+MZ7:ZZ+7'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
>>	**0048**		**Functional group reference number**	**M**	**an..14**
			Reference number for the functional group assigned by and unique within the sender's division, department etc.		
>>	**S006**		**Application sender's identification**	**M**	
			Identification of the sender's division, department etc. from which a group of messages is sent.		
>>		**0040**	**Application sender's identification**	**M**	**an..35**
			Name or code identifying the originating division, department etc. within the sender's organization.		
		0007	**Partner identification code qualifier**	**C**	**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
>>	**S007**		**Application recipients identification**	**M**	
			Identification of the recipient's division, department etc. for which a group of messages is intended.		
>>		**0044**	**Application recipient's identification**	**M**	**an..35**
			Name or code identifying the division, department etc. within the recipient's organization for which the group of messages is intended.		
		0007	**Partner identification code qualifier**	**C**	**an..4**
			Qualifier referring to the source of codes for the identifiers of interchanging partners.		
>>	**0083**		**Action, coded**	**M**	**an..3**
			A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange.		
			7 This level acknowledged, next lower level acknowledged if not 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.		
X	**0085**		**Syntax error, coded**	**C**	**an..3**
			A code indicating the error detected.		

			Refer to 93.1 Data Element Dictionary for acceptable code values.		
X	**0135**		**Service segment tag, coded**	**C**	**An..3**
			Code identifying a service segment		
X	**S011**		**Data Element Identification**	**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 component data element in the definition a composite data element.		
X		**0098**	**Erroneous data element position in segment.**	**M**	**n..3**
			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.		
X		**0104**	**Erroneous component data element position**	**C**	**n..3**
			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.		
		0136	**Erroneous data element occurrence**	**C**	**n..6**
			The numerical occurrence of the repeating stand-alone or composite data element in error. Each occurrence (as indicated by the repetition separator) shall cause the count to be incremented. The count starts at 1.		
X	**0534**		**Security reference number**	**C**	**An..14**
			Unique reference number assigned by the security originator to a pair of security header and security trailer groups.		
X	**0138**		**Security segment position**	**C**	**n..6**
			The numerical count position of a specific security segment that is within the actual received security header/trailer segment group pair, identified by its security reference number. The numbering starts with, and includes, the USH segment as segment number 1. To identify a security segment that contains an error, this is the numerical count position of that security segment. To report that a security segment is missing, this is the numerical count position of the last security segment that was processed before the position where the missing security segment was expected to be. A missing security segment group is denoted by identifying the first segment in the security segment group as missing.		

Segment: **UCM** **Message Response**
Position: 070
Group: Segment Group 4 Conditional
Level: 2
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.
Syntax Notes:
Semantic Notes:
Comments:
Notes: All elements contained within this Segment were extracted from the UNH Segment of the originating message.

UCM+640001+DELFOR:D:97A:UN+7'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0062**		**Message reference number**	**M an..14**
			Unique message reference assigned by the sender.	
>>	**S009**		**Message Identifier**	**M**
			Identification of the type, version etc. of the message being interchanged.	
>>		**0065**	**Message type identifier**	**M an..6**
			Code identifying a type of message and assigned by its controlling agency.	
>>		**0052**	**Message type version number**	**M an..3**
			Version number of a message type.	
>>		**0054**	**Message type release number**	**M an..3**
			Release number within the current message type version number (0052).	
>>		**0051**	**Controlling agency**	**M an..2**
			Code identifying the agency controlling the specification, maintenance and publication of the message type.	
X		**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.	
X		**0110**	**Code list directory version number**	**C an..6**
			Version number of the code list directory.	
X		**0113**	**Message type sub-function identification**	**C an..6**
			Code identifying a sub-function of a message type.	
>>	**0083**		**Action, coded**	**M an..3**
			A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange.	
			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 not 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.		
X	**0085**		**Syntax error, coded**	**C**	**an..3**
			A code indicating the error detected.		
X	**0135**		**Service segment tag, coded**	**C**	**a..3**
			Code identifying a service segment		
X	**S011**		**Data Element Identification**	**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 component data element in the definition a composite data element.		
X		**0098**	**Erroneous data element position in segment.**	**M**	**n..3**
			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.		
X		**0104**	**Erroneous component data element position**	**C**	**n..3**
			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.		

Segment: **UCS** **Segment Error Indication**
Position: 080
Group: Segment Group 5 Conditional
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment.
Syntax Notes:
Semantic Notes:
Comments:
Notes: This Segment will only be used when the UCM Segment/data element 0083 is value 4 - rejected.

UCS+3' (Data element error - additional information in UCD Segment)
UCS+3+13 ' (Segment error - syntax error included in this segment)

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0096**		**Segment position in message**	**M n..6**
			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.	
	0085		**Syntax error, coded**	**C an..3**
			A code indicating the error detected.	
			This element will only occur if the error is related to a segment rather than an element.	
			13 Missing Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing.	
			15 Not supported in this position 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.	
			35 Too many segment repetitions Notification that a segment was repeated too many times.	
			36 Too many segment group repetitions Notification that a segment group is repeated to many times.	

Segment: **UCD** **Data Element Error Indication**
Position: 090
Group: Segment Group 5 Conditional
Level: 4
Usage: Conditional
Max Use: 99
Purpose: To identify an erroneous simple, composite or component data element, and to identify the nature of the error.
Syntax Notes:
Semantic Notes:
Comments:
Notes: This segment will only occur if the error is related to an element rather than a segment.

UCD+13+4'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0085**		**Syntax error, coded**	**M an..3**
			A code indicating the error detected.	
			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 Missing	
			Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing.	
			16 Too many constituents	
			Notification that the identified segment contained to many data elements or that the identified composite data element contained too many component data elements.	
			37 Invalid type of character(s)	
			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.	
			39 Data element too long	
			Notification that the length of the data element received exceeded the maximum length specified in the data element description.	
			40 Data element too short	
			Notification that the length of the data element received is shorter than the minimum length specified in the data element description.	
>>	**S011**		**Data Element Identification**	**M**
			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.	

>>		0098	**Erroneous data element position in segment.**	**M**	**n..3**
			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.		
X		0104	**Erroneous component data element position**	**C**	**n..3**
			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.		
X		0136	**Erroneous data element occurrence**	**C**	**n..6**
			The numerical occurrence of the repeating stand-alone or composite data element in error. Each occurrence (as indicated by the repetition separator) shall cause the count to be incremented. The count starts at 1.		
X	0800		**Package reference number**	**C**	**an..35**
			Unique package reference number assigned by the sender.		
X	S020		**Reference identification**	**C**	
			Identification of the reference relating to the object.		
X		0813	**Reference qualifier**	**C**	**an..3**
			Code giving specific meaning to a reference identification number.		
X		0802	**Reference identification number**	**C**	**an..35**
			Reference number to identify a message, message group and/or interchange, which relates to the object.		
X	0534		**Security reference number**	**C**	**An..14**
			Unique reference number assigned by the security originator to a pair of security header and security trailer groups.		
X	0138		**Security segment position**	**C**	**n..6**
			The numerical count position of a specific security segment that is within the actual received security header/trailer segment group pair, identified by its security reference number. The numbering starts with, and includes, the USH segment as segment number 1. To identify a security segment that contains an error, this is the numerical count position of that security segment. To report that a security segment is missing, this is the numerical count position of the last security segment that was processed before the position where the missing security segment was expected to be. A missing security segment group is denoted by identifying the first segment in the security segment group as missing.		

Segment: **UNT** **Message Trailer**
Position: 100
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of a Message
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNT+5+0001'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	**0074**		**Number of segments in a message**	**M n..10**
			Control count of number of segments in a message.	
>>	**0062**		**Message reference number**	**M an..14**
			Unique message reference assigned by the sender.	

EXAMPLES

Example #1 – Interchange Acknowledged
(Interchange contained 2 UN/EDIFACT messages)

UNB+UNOA:2+J:ZZ+P:ZZ+980529:1639+00000000000065'
UNH+0001+CONTRL:2:2:UN'
UCI+00000000000064+BFT+MZ7+7'
UCM+640001+DELFOR:D:97A:UN+7'
UCM+640002+DELFOR:D:97A:UN+7'
UNT+5+0001'
UNZ+1+00000000000065'

Example #2 - 4 Message Interchange/ 1 Message Rejected
Segment Error

UNB+UNOA:2+J:ZZ+P:ZZ+980603:1639+00000000000611'
UNH+0002+CONTRL:2:2:UN'
UCI+54321+BFT+MZ7+7'
UCM+5324+DELFOR:D:97A:UN+7'
UCM+5353+DELFOR:D:97A:UN+7'
UCM+1167+DELFOR:D:97A:UN+4'
UCS+3+13'
UCM+53346+DELFOR:D:97A:UN+7'
UNT+7+0002'
UNZ+1+00000000000611'

Example #3 - 3 Message Interchange/ 1 Message Rejected
Data Element Error

UNB+UNOA:2+J:ZZ+P:ZZ+980601:1639+00000000210611'
UNH+0003+CONTRL:2:2:UN'
UCI+12345+BFT:ZZ+MZ7:ZZ+7'
UCM+2224+DELFOR:D:97A:UN+7'
UCM+1168+DELFOR:D:97A:UN+4'
UCS+3'
UCD+13+4'
UCM+3340+DELFOR:D:97A:UN+7'
UNT+7+0003'
UNZ+1+00000000210611'

Example #4 – Functional Group Example

UNB+UNOA:2+BFT:01+MZ7:01+980612:1528+00000000000007'
UNG+CONTRL+BFT:01+MZ7:01+980612:1528+00000000000007+UN+D:97A'
UNH+70001+CONTRL:D:97A:UN'
UCI+00000000000004+BFT:ZZ+MZ7:ZZ+7'
UCF+00000000000004+BFT:ZZ+MZ7:ZZ+7'
UCM+40001+DELFOR:D:97A:UN+7'
UNT+4+70001'
UNE+1+00000000000007'
UNZ+1+00000000000007'

CONTRL Guideline Change Log

Item Number	Segment	Composite Code	Component	Code Values	Detail of Change
98.1.1	UCI		0083	8	Added code value "8" – Interchange received. This code is sent to acknowledge the receipt and acceptance of an the complete interchange.
98.1.2	UNH				Numerous data elements and composite data elements were added as a result of the use of syntax version '4'. At this time GM only plans to adjust the size parameters for the modified data elements, but does NOT plan to utilize the data elements that were added to the segment.
99.2.1	UNH	S009	0057 (second occurrence)		Replace 0057 with data element 0113. Documentation was based on preliminary draft release information. This data element will remain "X" - not used.
99.2.2	UCI	S002	0042		Add data element 0042 - 'Interchange sender internal sub-identification' to composite service segment S002.
99.2.3	UCI	S003	0046		Add data element 0046 - 'Interchange recipient internal sub-identification' to composite service segment S003.
99.2.4	UCI UCM UCF		0013		Replace data element 0013 with data element number 0135. This appears to have been a typographical error.
99.2.5	UCI UCF	 0534 0138			Add these segments to the end of the UCF Segment. 0534 - Security ref. No. 0138 - Security segment position.
99.2.6	UCM	S009	0110 0113		Add data elements 0110 - 'Code list directory version number' and 0113 - ' Message type sub-function identification' to service composite data element S009/
99.2.7	 UCI UCM UCD UCF	S011	0136		Add data elements 0136 - 'Erroneous data element occurrence' to service composite data element S011.
99.2.8	UCM	0800 S020 0534 0138			Add these segments to the end of the UCM Segment. 0800 - Pkg. Ref. No., S020 - Ref. Id 0534 - Security ref. No. 0138 - Security segment position.
99.2.9	UNT	0074			Revise the field size from n..6 to n..10