EANCOM 2002 Syntax 4

Edition 2016_Update 2021

Control message
(CONTRL)

Einführung

Introduction

The following message specification is based on the publication of the "Control Message" of GS1 Global in syntax 4.

Status

MESSAGE TYPE: CONTRL
REFERENCE DIRECTORY: D.01B
EANCOM® SUBSET VERSION: 004

Definition

A Syntax and Service Report message is a message syntactically acknowledging, or rejecting with error indication, a received interchange, or message.

Principles

A sender of an EDIFACT interchange can in the UNB segment, using data element 0031, 'Acknowledgement request', request a response from the receiver indicating receipt of the interchange, and if necessary, whether the syntax of all contained segments is correct and supported by the recipient.

The information transmitted in the link is the following:

1. acknowledge or reject the interchange or message and list any errors contained therein.
2. acknowledge only the receipt. This requires that the UNB, UNZ and the UNA if used, be checked.

The EANCOM® CONTRL message will not be used to report on functional groups. The use of functional groups within EANCOM® is not a recommended practice.

The CONTRL message is used to report on the syntax level of an interchange not the business information/data content contained. To acknowlegde errors made during the processing within the application see APERAK message.

A recipient may choose to acknowledge syntactical errors which are deemed to be non-fatal by the recipient, e.g. data element exceeding the maximum length.

The CONTRL message will be generated by the recipient of another message. The application which carries out the syntax check may be a third party acting on behalf of the message recipient, e.g. a value added network. When this function is carried out by a third party, the third party should not stop progress of the message to its destination, but should report results to the message recipient according to procedures agreed between the recipient and the third party. The message sender and the message recipient always retain the responsibility for the business use of the CONTRL message.

A CONTRL message shall only be generated when the recipient of the message supports the receipt of a CONTRL message. This agreement would normally be detailed in the interchange agreement.

A CONTRL message must always be sent as a separate interchange.

A CONTRL message may only ever report the action taken for one interchange. It may not refer to

several, or parts of several interchanges.

The CONTRL message may acknowledge or reject a complete interchange without referencing messages contained within it.

Additional Notes

Relationship between CONTRL and original interchange

A maximum of two CONTRL messages may be sent in response to a received interchange, an optional acknowledgement of receipt of the interchange, and/or, a report on the results of the syntax check of the interchange. The second type of CONTRL message must be sent if a request for acknowledgement is indicated in the original interchange UNB segment.

The CONTRL message is based on four segments each of which refers to a particular area in the original interchange:

CONTRL Segment Tag	Original Interchange Segments
UCI - Interchange Response	UNA / UNB / UNZ
UCM - Message Response	Full Message
UCS - Segment Error Indication	All Segments
UCD - Data Element Error Indication	All Simple, Composite, or Component Data Elements

Each of the above four CONTRL segments contains a data element indicating the action taken and if required the error being reported.

When acknowledging only the receipt of an interchange segment groups 1 (maximum 1 per message) shall not be used.

Use of Action Codes

The action, either acknowledgement or rejection, is indicated by a code in the UCI and/or UCM segments. The codes allocated to the 'Syntax error, coded', data element 0085, are contained in the code list for this data element (Part III of this manual).

When referencing a level, a segment from the referenced level must be contained in the CONTRL message. When referencing lower levels, all levels above the lower levels must be acknowledged.

Action code 4 and 7 are only used in CONTRL messages reporting the action after a complete check of the interchange. Action code 8 is only used to acknowledge receipt of the interchange.

Syntactical Error Reporting

Errors may be reported for all levels in an interchange using the CONTRL message. The position and nature of the error may be indicated.

The UCI and UCM segments may only report one error per level referenced. If more than one error is

Einführung

detected within a level, the receiver of the interchange may choose to either indicate one of the

identified errors or all errors. Reporting of several errors in an interchange is achieved through the use of the relevant group repeated for each error level. Several CONTRL messages shall not be sent to report several errors.

It is recommended that errors, and their positions, should be identified as precisely as possible. Use of more general error codes in place of more precise ones is strongly discouraged. Identification of the precise location of an error will usually require access to the interchange in the format in which it was transferred.

Errors in copied Data Elements

The CONTRL message contains several mandatory data elements which are copied from the original interchange, e.g. in the UCM segment data elements 0062 through 0057 inclusive are copied from the UNH segment. If the data element in the original interchange is missing or syntactically invalid then a syntactically valid CONTRL message can not be generated. If the trading parties have not agreed to allow syntactically incorrect data in the CONTRL message then the error must be reported through means other than the CONTRL message.

Acknowledgement of a CONTRL message

No CONTRL, or other message types in UN/EDIFACT, shall be sent in response to a received CONTRL message. Errors in received CONTRL messages must be reported by other means.

Support of the CONTRL message type

Parties requesting acknowledgement by means of the 'Acknowledgement request' data element in the UNB segment must support the receipt of the CONTRL message type. Requirements for the submission and receipt of the CONTRL message should be agreed between trading parties.

All parties supporting the receipt or submission of the CONTRL message must be able to check all parts of the interchange in the case of the sender, and, be able to understand all information (and report errors) at all reporting levels in the case of the receiver.

Terms and definitions

ACKNOWLEDGEMENT implies that the recipient of the interchange:

- has received the acknowledged part of the interchange, and
- has checked that there are no fatal syntactic errors in the acknowledged part that prevents further processing of it, and
- has checked that all received service segments in the acknowledged part are semantically correct (if no errors were reported), and
- will comply with the actions requested in the service segments, and
- has accepted liability for notifying the sender by other means than sending a CONTRL message if any syntactic or semantic errors as described above are later detected in the relevant part, or the part can not be processed for some other reason after the part has been acknowledged in a submitted CONTRL message,
- has taken reasonable precautions in order to ensure that such errors are detected and that the sender is notified.

Einführung

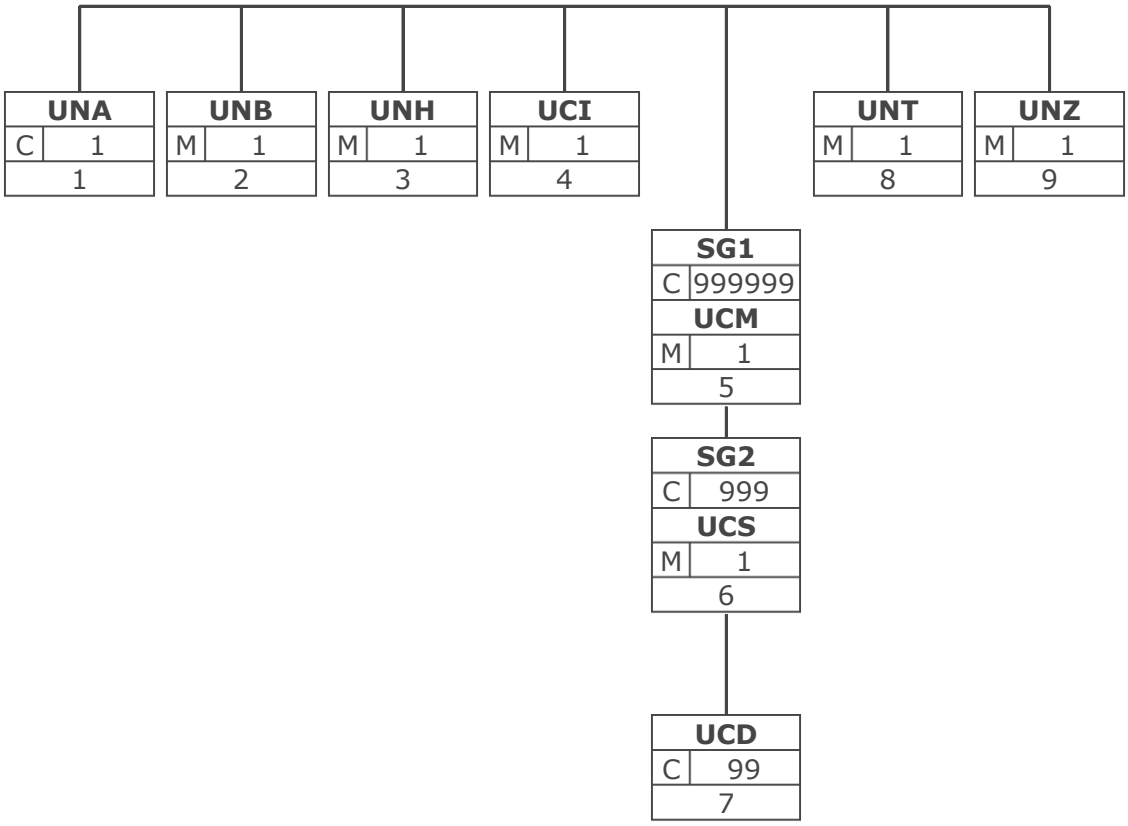
REJECTION implies that the recipient of the subject interchange:

- can not acknowledge the interchange or relevant part of it for reasons indicated in the CONTRL message, and
- will not take any further action on business information contained in the rejected part of the interchange.

REPORTING LEVEL is a segment in CONTRL in which reporting of a corresponding referenced level takes place. The reporting levels are UCI, UCM, UCS and UCD.

REFERENCED LEVEL - the structure of the CONTRL message is based on four segments (UCI, UCD, UCS and UCM) that contain a reference to a part of the interchange. The parts of the interchange are
detailed in Additional Notes, section 1 above.

Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

Message Structure

Seg.	No.	Status	Max Occ	Segment
UNA	1	C	1	Service string advice
UNB	2	M	1	Interchange header
Syntax And Service Report Heading Section				
UNH	3	M	1	Message header
UCI	4	M	1	Interchange response
Syntax And Service Report Detail Section				
SG1		C	999999	UCM-SG2
UCM	5	M	1	Message/package response
SG2		C	999	UCS-UCD
UCS	6	M	1	Segment error indication
UCD	7	C	99	Data element error indication
Syntax And Service Report Summary Section				
UNT	8	M	1	Message trailer
UNZ	9	M	1	Interchange trailer

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent

Segment Layout

No.	Seg	St	Max. Occ.		
1	**UNA**	C	1	Service string advice	

The service string advice shall begin with the upper case characters UNA immediately followed by six characters in the order shown below. The space character shall not be used in positions 010, 020, 040, 050 or 060. The same character shall not be used in more than one position of the UNA.

Business Term	DE	EDIFACT	Format	St	*	Description
	UNA1	Component data element separator	an1	M	*	Used as a separator between component data elements contained within a composite data element (default value: ":")
	UNA2	Data element separator	an1	M	*	Used to separate two simple or composite data elements (default value: "+")
	UNA3	Decimal mark	an1	M	*	Used to indicate the character used for decimal notation (default value:".")
	UNA4	Release character	an1	M	*	Used to restore any service character to its original specification (value: "?").
	UNA5	Repetition separator	an1	M	*	Used to indicate the character used for repetition separation (value: " * ").
	UNA6	Segment terminator	an1	M	*	Used to indicate the end of segment data (default value: " ' ")

This segment is used to inform the receiver of the interchange that a set of service string characters which are different to the default characters are being used.
When using the default set of service characters, the UNA segment need not be sent. If it is sent, it must immediately precede the UNB segment and contain the four service string characters (positions UNA1, UNA2, UNA4 and UNA6) selected by the interchange sender.
Regardless of whether or not all of the service string characters are being changed every data element within this segment must be filled, (i.e., if some default values are being used with user defined ones, both the default and user defined values must be specified).
When expressing the service string characters in the UNA segment, it is not necessary to include any element separators.
The use of the UNA segment is required when using a character set other than level A.

Example: `UNA:+.?*'`
Example: `UNA:+.?*'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
2	**UNB**	M	1	Interchange header

To identify an interchange.

Notes:
1. S001/0002, shall be '4' to indicate this version of the syntax.
2. The combination of the values carried in data elements S002, S003 and 0020 shall be used to identify uniquely the interchange, for the purpose of acknowledgement.

Business Term	DE	EDIFACT	Format	St	*	Description
	S001	Syntax identifier		M		See Part I chapter 5.2.7 and segment notes.
	0001	Syntax identifier	a4	M	*	UNOA UN/ECE level A UNOB UN/ECE level B UNOC UN/ECE level C UNOD UN/ECE level D UNOE UN/ECE level E UNOF UN/ECE level F UNOG UN/ECE level G UNOH UN/ECE level H UNOI UN/ECE level I UNOJ UN/ECE level J UNOK UN/ECE level K UNOW UN/ECE level W UNOX UN/ECE level X UNOY UN/ECE level Y
	0002	Syntax version number	an1	M	*	4 Version 4
	S002	Interchange sender		M		
	0004	Interchange sender identification	an..35	M		GLN (n13)
	0007	Identification code qualifier	an..4	R	*	14 GS1
	0008	Interchange sender internal identification	an..35	O		
	S003	Interchange recipient		M		
	0010	Interchange recipient identification	an..35	M		GLN (n13)
	0007	Identification code qualifier	an..4	R	*	14 GS1
	0014	Interchange recipient internal identification	an..35	O		
	S004	Date and time of preparation		M		
	0017	Date	n8	M		CCYYMMDD
	0019	Time	n4	M		HHMM
	0020	Interchange control reference	an..14	M		Unique reference identifying the interchange. Created by the interchange sender.
	S005	Recipient reference/ password details		O		

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
	0022	Recipient reference/ password	an..14	M		
	0025	Recipient reference/ password qualifier	an2	O		
	0026	Application reference	an..14	O		Message identification if the interchange contains only one type of message.
	0029	Processing priority code	a1	O		A Highest priority
	0031	Acknowledgement request	n1	O		1 Requested
	0032	Interchange agreement identifier	an..35	O	*	EANCOM.....
	0035	Test indicator	n1	O		1 Interchange is a test

This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters or documents, and which details, both the address where delivery is to take place and the address from where the envelope has come.
S001: The character encoding specified in basic code table of ISO/IEC 646 (7-bit coded character set for information interchange) shall be used for the interchange service string advice (if used) and up to and including the composite data element S001 'Syntax identifier' in the interchange header. The character repertoire used for the characters in an interchange shall be identified from the code value of data element 0001 in S001 'Syntax identifier' in the interchange header. The character repertoire identified does not apply to objects and/or encrypted data.
The default encoding technique for a particular repertoire shall be the encoding technique defined by its associated character set specification.
DE 0001: The recommended (default) character set for use in EANCOM® for international exchanges is character set A (UNOA). Should users wish to use character sets other than A, an agreement on which set to use should be reached on a bilateral basis before communications begin.
DE 0004, 0008, 0010 and 0014: Within EANCOM® the use of the Global Location Number (GLN) is recommended for the identification of the interchange sender and recipient.
DE 0008: Identification (e.g. a division) specified by the sender of the interchange, to be included if agreed, by the recipient in response interchanges, to facilitate internal routing.
DE 0014: The address for routing, provided beforehand by the interchange recipient, is used by the interchange sender to inform the recipient of the internal address, within the latter's systems, to which the interchange should be routed. It is recommended that the GLN be used for this purpose.
DE 0007: Identification (e.g. a division) specified by the recipient of the interchange, to be included if agreed, by the sender in response interchanges, to facilitate internal routing.
DE S004: The date and time specified in this composite should be the date and time at which the interchange sender prepared the interchange. This date and time may not necessarily be the same as the date and time of contained messages.
DE 0020: The interchange control reference number is generated by the interchange sender and is used to identify uniquely each interchange. Should the interchange sender wish to re-use interchange control reference numbers, it is recommended that each number be preserved for at least a period of three months before being re-used. In order to guarantee uniqueness, the interchange control reference number should always be linked to the interchange sender's identification (DE 0004).
DE S005: The use of passwords must first be agreed bilaterally by the parties exchanging the

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

interchange.
DE 0026: This data element is used to identify the application, on the interchange recipient's system, to which the interchange is directed. This data element may only be used if the interchange contains only one type of message, (e.g. only invoices). The reference used in this data element is assigned by the interchange sender.
DE 0031: This data element is used to indicate whether an acknowledgement to the interchange is required. The EANCOM® APERAK or CONTRL message should be used to provide acknowledgement of interchange receipt. In addition, the EANCOM® CONTRL message may be used to indicate when an interchange has been rejected due to syntax errors.
DE 0032: This data element is used to identify any underlying agreements which control the exchange of data. Within EANCOM® , the identity of such agreements must start with the letters 'EANCOM', the remaining characters within the data element being filled according to bilateral agreements.

Example: `UNB+UNOA:4+4012345000009:14:1+4000004000002:14:4000004000099+20151013:1043+12345555+REF:AA++A+1+EANCOM-DISI+1'`
Example: `UNB+UNOC:4+5412345678908:14+8798765432106:14+20020102:1000+12345555+++++EANCOMREF52'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
3	**UNH**	M	1	Message header

To head, identify and specify a message.

Notes:
1. Data element S009/0057 is retained for upward compatibility. The use of S016 and/or S017 is encouraged in preference.
2. The combination of the values carried in data elements 0062 and S009 shall be used to identify uniquely the message within its group (if used) or if not used, within its interchange, for the purpose of acknowledgement.

Business Term	DE	EDIFACT	Format	St	*	Description
	0062	Message reference number	an..14	M		Senders unique message reference. Sequence number of messages in the interchange. DE 0062 in the UNT will have the same value. Generated by the sender.
	S009	Message identifier		M		
	0065	Message type	an..6	M	*	CONTRL
	0052	Message version number	an..3	M	*	4 Service message, version 4
	0054	Message release number	an..3	M	*	1 First release
	0051	Controlling agency, coded	an..3	M	*	UN UN/CEFACT
	0057	Association assigned code	an..6	R	*	EAN005 GS1 version control number (GS1 Permanent Code)
	0110	Code list directory version number	an..6	O		

This segment is used to head, identify and specify a message.
Example:

Example: `UNH+ME000001+CONTRL:4:1:UN:EAN005:X'`
Example: `UNH+ME000001+CONTRL:4:1:UN:EAN005'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
4	**UCI**	M	1	Interchange response

To identify the subject interchange, to indicate interchange receipt, to indicate acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the interchange level. Depending on the action code, it may also indicate the action taken on the groups, messages, and packages within that interchange.

Dependency Notes:
1. D5(060,050) If first, then all
2. D5(070,060,050) If first, then all
3. D5(080,060,050,090) If first, then all
4. D5(090,080,060,050) If first, then all

Notes:
5. 0135, may only contain the values UNA, UNB, UNZ, USA, USC, USD, USH, USR, UST, or USU.
6. This data element shall be present when reporting an error in a security segment.

Business Term	DE	EDIFACT	Format	St	*	Description
	0020	Interchange control reference	an..14	M		
	S002	Interchange sender		M		
	0004	Interchange sender identification	an..35	M		Global Location Number GLN - Format n13
	0007	Identification code qualifier	an..4	O	*	14 GS1
	0008	Interchange sender internal identification	an..35	O		
	S003	Interchange recipient		M		
	0010	Interchange recipient identification	an..35	M		Global Location Number GLN - Format n13
	0007	Identification code qualifier	an..4	O	*	14 GS1
	0014	Interchange recipient internal identification	an..35	O		
	0083	Action, coded	an..3	M		4 This level and all lower levels rejected 6 UNB/UNZ rejected (GS1 Permanent Code) 7 This level acknowledged, next lower level acknowledged if not explicitly rejected 8 Interchange received
	0085	Syntax error, coded	an..3	D	*	1 UNA not supported (GS1 Temporary Code)

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
						2 Syntax level or version not supported 7 Interchange recipient not actual recipient 11 Password invalid (GS1 Temporary Code) 12 Invalid value 13 Missing 14 Value not supported in this position 15 Not supported in this position 16 Too many constituents 17 No agreement 18 Unspecified error 20 Character invalid as service character 21 Invalid character(s) 22 Invalid service character(s) 23 Unknown interchange sender 24 Too old 25 Test indicator not supported 26 Duplicate detected 27 Security function not supported 28 References do not match 29 Control count does not match number of instances received 30 Functional groups and messages mixed 32 Lower level empty 33 Invalid occurrence outside message or functional group 37 Invalid type of

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
						character(s) 39 Data element too long 40 Data element too short 41 Permanent communication network error 42 Temporary communication network error 43 Unknown interchange recipient
	0135	Service segment tag, coded	an..3	D		
	S011	Data element identification		D		
	0098	Erroneous data element position in segment	n..3	M		
	0104	Erroneous component data element position	n..3	O		

This segment is used to identify the interchange being responded to.
The segment may also be used to indicate acknowledgement or rejection of the UNA, UNB and UNZ segments and any errors present in these segments.
DE's 0020, S002 and S003: To identify the interchange being responded to these data elements must contain the same values as were specified in the UNB segment of the original interchange.
DE's 0083 and 0085: These data elements are used to indicate the status of the interchange and in cases where errors are present to identify the error.
DE's 0135, S011: If there are errors in the UNA, UNB, UNZ or the security service segments at interchange level the segment in question and the position of the error in the segment may be identified in these data elements.
Example:
Interchange number 10001 from the party identified by the Global Location Number GLN 5412345000013 to the party identified by the Global Location Number GLN 5412345000020 has been received.
Dependency Notes:
Data elements 0085, 0135 and S011 are only used when errors are being reported.

Example: `UCI+10001+5412345000013:14:X+5412345000020:14:X+8+1+X+123:123'`
Example: `UCI+10001+5412345000013:14+5412345000020:14+8'`

Segment Layout

No.	Seg	St	Max. Occ.	
	SG1	C	999999	UCM-SG2
	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.			
5	**UCM**	M	1	Message/package response
	To identify a message or package in the subject interchange, and to indicate that message's or package's acknowledgement or rejection (action taken), and to identify any error related to the UNH, UNT, UNO, and UNP segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the message or package level.			
	Dependency Notes: 1. D1(010,070) One and only one 2. D2(010,020) All or none 3. D2(070,080) All or none 4. D5(050,040) If first, then all 5. D5(060,050,040) If first, then all 6. D5(090,050,040,100) If first, then all 7. D5(100,090,050,040) If first, then all			
	Notes: 8. 0135, may only contain the values UNH, UNT, UNO, UNP, USA, USC, USD, USH, USR, UST, or USU. 9. This data element shall be present when reporting an error in a security segment.			

Business Term	DE	EDIFACT	Format	St	*	Description
	0062	Message reference number	an..14	R		
	S009	Message identifier		R		
	0065	Message type	an..6	M		
	0052	Message version number	an..3	M		
	0054	Message release number	an..3	M		
	0051	Controlling agency, coded	an..3	M		
	0057	Association assigned code	an..6	R		
	0110	Code list directory version number	an..6	O		
	0083	Action, coded	an..3	M		4 This level and all lower levels rejected 7 This level acknowledged, next lower level acknowledged if not explicitly rejected
	0085	Syntax error, coded	an..3	D	*	3 Message version/ release not supported (GS1

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
						Temporary Code) 12 Invalid value 13 Missing 14 Value not supported in this position 15 Not supported in this position 16 Too many constituents 17 No agreement 18 Unspecified error 21 Invalid character(s) 22 Invalid service character(s) 23 Unknown interchange sender 25 Test indicator not supported 26 Duplicate detected 27 Security function not supported 28 References do not match 29 Control count does not match number of instances received 30 Functional groups and messages mixed 31 More than one message type in group 34 Nesting indicator not allowed 37 Invalid type of character(s) 39 Data element too long 40 Data element too short
	0135	Service segment tag, coded	an..3	D		
	S011	Data element identification		D		
	0098	Erroneous data element position in segment	n..3	M		

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
	0104	Erroneous component data element position	n..3	O		

This segment is used to identify specific messages within the interchange identified in the previous UCI segment.
This segment is similar in layout to the UNH segment (data elements 0062 to 0057 inclusive) and should contain the same information as that contained in the UNH segment.
DE's 0083 and 0085: These data elements are used to indicate the status of the message and in cases where errors are present to identify the error.
DE's 0135, S011: If there are errors in the UNH, UNT or the security service segments at message level the segment in question and the position of the error in the segment may be identified in these data elements.
Example:
Message reference ME002341, an INVOIC message, has been rejected because the mandatory data element 0062 has not been included in the UNH segment position 2.
Dependency Notes:
Data elements 0085, 0135 and S011 are only used when errors are being reported.

Example: `UCM+ME002341+CONTRL:4:1:UN:EAN001:X+4+3+AAA+1:1'`
Example: `UCM+ME002341+INVOIC:D:01B:UN:EAN010+4+13+UNH+2'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
	SG1	C	999999	UCM-SG2
	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.			
	SG2	C	999	UCS-UCD
	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.			
6	**UCS**	M	1	Segment error indication
	To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment. Notes: 1. 0085, shall contain a value only if the error pertains to the segment identified by data element 0096.			

Business Term	DE	EDIFACT	Format	St	*	Description
	0096	Segment position in message body	n..6	M		
	0085	Syntax error, coded	an..3	D	*	6 Data segment missing/invalid (GS1 Temporary Code) 12 Invalid value 13 Missing 14 Value not supported in this position 15 Not supported in this position 16 Too many constituents 18 Unspecified error 21 Invalid character(s) 22 Invalid service character(s) 27 Security function not supported 34 Nesting indicator not allowed 35 Too many segment repetitions 36 Too many segment group repetitions

This segment is used to identify the position of a segment within a message. This segment is only used to identify segments within the message identified in the UCM segment which have errors.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Example:

Example: `UCS+1+6'`
Example: `UCS+3+12'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.	
	SG1	C	999999	UCM-SG2
	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.			
	SG2	C	999	UCS-UCD
	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.			
7	**UCD**	C	99	Data element error indication
	To identify an erroneous stand-alone, composite or component data element, and to identify the nature of the error.			

Business Term	DE	EDIFACT	Format	St	*	Description
	0085	Syntax error, coded	an..3	M	*	9 Mandatory data element missing (GS1 Temporary Code) 12 Invalid value 13 Missing 14 Value not supported in this position 15 Not supported in this position 16 Too many constituents 18 Unspecified error 19 21 Invalid character(s) 22 Invalid service character(s) 27 Security function not supported 34 Nesting indicator not allowed 37 Invalid type of character(s) 38 Missing digit in front of decimal sign 39 Data element too long 40 Data element too short
	S011	Data element identification		M		
	0098	Erroneous data element position in segment	n..3	M		

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
	0104	Erroneous component data element position	n..3	O		

This segment is used to identify the position of a component or composite data element within a segment. This segment is only used to identify component or composite data elements within the segment identified in the UCS segment which have errors.
Example:

Example: `UCD+9+1:1'`
Example: `UCD+12+4:4'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Segment Layout

No. Seg	St	Max. Occ.	
8	**UNT**	M 1	Message trailer

To end and check the completeness of a message.

Notes:
1. 0062, the value shall be identical to the value in 0062 in the corresponding UNH segment.

Business Term	DE	EDIFACT	Format	St	*	Description
	0074	Number of segments in a message	n..10	M		The total number of segments in the message is specified here.
	0062	Message reference number	an..14	M		The message reference numbered detailed here should equal the one specified in the UNH segment.

This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.
Example:

Example: `UNT+6+ME000001'`
Example: `UNT+6+ME000001'`

Segment Layout

No.	Seg	St	Max. Occ.		
9	**UNZ**	M	1	Interchange trailer	

To end and check the completeness of an interchange.

Notes:
1. 0020, the value shall be identical to the value in 0020 in the corresponding UNB segment.

Business Term	DE	EDIFACT	Format	St	*	Description
	0036	Interchange control count	n..6	M		Number of messages or functional groups within an interchange.
	0020	Interchange control reference	an..14	M		Identical to DE 0020 in UNB segment.

This segment is used to provide the trailer of an interchange.
DE 0036: If functional groups are used, this is the number of functional groups within the interchange. If functional groups are not used, this is the number of messages within the interchange.

Example: `UNZ+1+12345555'`
Example: `UNZ+5+12345555'`

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, C=Conditional, D=Dependent, A=Advised, N=Not used

Used Codes

0001	Syntax identifier Coded identification of the agency controlling the syntax, and of the character repertoire used in an interchange. Notes: 1. The data value consists of the letters 'UN', upper case, identifying the syntax controlling agency, directly followed by an a2 code identifying the character repertoire used.
UNOA	UN/ECE level A As defined in the basic code table of ISO 646 with the exceptions of lower case letters, alternative graphic character allocations and national or application-oriented graphic character allocations.
UNOB	UN/ECE level B As defined in the basic code table of ISO 646 with the exceptions of alternative graphic character allocations and national or application-oriented graphic character allocations.
UNOC	UN/ECE level C As defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1.
UNOD	UN/ECE level D As defined in ISO 8859-2 : Information processing - Part 2: Latin alphabet No. 2.
UNOE	UN/ECE level E As defined in ISO 8859-5 : Information processing - Part 5: Latin/Cyrillic alphabet.
UNOF	UN/ECE level F As defined in ISO 8859-7 : Information processing - Part 7: Latin/Greek alphabet.
UNOG	UN/ECE level G As defined in ISO 8859-3 : Information processing - Part 3: Latin alphabet.
UNOH	UN/ECE level H As defined in ISO 8859-4 : Information processing - Part 4: Latin alphabet.
UNOI	UN/ECE level I As defined in ISO 8859-6 : Information processing - Part 6: Latin/Arabic alphabet.
UNOJ	UN/ECE level J As defined in ISO 8859-8 : Information processing - Part 8: Latin/Hebrew alphabet.
UNOK	UN/ECE level K As defined in ISO 8859-9 : Information processing - Part 9: Latin alphabet.

Used Codes

UNOW	UN/ECE level W ISO 10646-1 octet with code extension technique to support UTF-8 (UCS Transformation Format, 8 bit) encoding.
UNOX	UN/ECE level X Code extension technique as defined by ISO 2022 utilising the escape techniques in accordance with ISO 2375.
UNOY	UN/ECE level Y ISO 10646-1 octet without code extension technique.

0002	Syntax version number Version number of the syntax. Notes: 1. Shall be '4' to indicate this version of the syntax.
4	Version 4 ISO 9735:1998.

0007	Identification code qualifier Qualifier referring to the identification code. Notes: 1. A qualifier code may refer to an organisation identification as in ISO 6523.
14	GS1 Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System.

0025	Recipient reference/password qualifier Qualifier for the recipient's reference or password. Notes: 1. To be used as specified in the partners' interchange agreement.
AA	Reference Recipient's reference/password is a reference.
BB	Password Recipient's reference/password is a password.

0029	Processing priority code Code determined by the sender requesting processing priority for the interchange. Notes: 1. To be used as specified in the partners' interchange agreement.

Used Codes

A	Highest priority Requested processing priority is the highest.
0031	Acknowledgement request Code requesting acknowledgement for the interchange. Notes: 1. Used if the sender requests that a message related to syntactical correctness be sent by the recipient in response. 2. For UN/EDIFACT a specific message (Syntax and service report - CONTRL) is defined for this purpose.
1	Requested Acknowledgement is requested.
0035	Test indicator Indication that the structural level containing the test indicator is a test.
1	Interchange is a test Indicates that the interchange is a test.
5	Interchange is a service provider test Indicates that this interchange is a test with a service provider.
0051	Controlling agency, coded Code identifying a controlling agency.
AA	EDICONSTRUCT French construction project.
AB	DIN (Deutsches Institut fuer Normung) German standardization institute.
AC	ICS (International Chamber of Shipping) The International Chamber of Shipping.
AD	UPU (Union Postale Universelle) Universal Postal Union.
AE	United Kingdom ANA (Article Numbering Association) Identifies the Article Numbering Association of the United Kingdom.
AF	ANSI ASC X12 (American National Standard Institute Accredited Standards Committee X12) Identifies the United States electronic data interchange standards body.
AG	US DoD (United States Department of Defense) The United States Department of Defense is the entity controlling the message specification.

Used Codes

AH	US Federal Government The United States Federal Government is the entity controlling the message specification.
AI	EDIFICAS European EDI association for financial, informational, cost, accounting, auditing and social areas.
AJ	UN/ECE/TRANS United Nations Economic Commission for Europe (UN/ECE), Sustainable Transport Division (TRANS)
CC	CCC (Customs Co-operation Council) The Customs Co-operation Council.
CE	CEFIC (Conseil Europeen des Federations de l'Industrie Chimique) EDI project for chemical industry.
EC	EDICON UK Construction project.
ED	EDIFICE (Electronic industries project) EDI Forum for companies with Interest in Computing and Electronics (EDI project for EDP/ADP sector).
EE	EC + EFTA (European Communities and European Free Trade Association) The European Communities and the European Free Trade Association.
EN	GS1 Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System.
ER	UIC (International Union of railways) European railways.
EU	European Union The European Union.
EW	UN/EDIFACT Working Group (EWG) United Nations working group responsible for UN/EDIFACT (United Nations, Electronic Data Interchange for Administration, Commerce and Transport).
EX	IECC (International Express Carriers Conference) The International Express Carriers Conference.
IA	IATA (International Air Transport Association) The International Air Transport Association.
KE	KEC (Korea EDIFACT Committee) The Korea EDIFACT Committee.
LI	LIMNET UK Insurance project.

Used Codes

OD	ODETTE (Organization for Data Exchange through Tele-Transmission in Europe) European automotive industry project.
RI	RINET (Reinsurance and Insurance Network) The Reinsurance and Insurance Network.
RT	UN/ECE/TRADE/WP.4/GE.1/EDIFACT Rapporteurs' Teams United Nations Economic UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4), Group of Experts on data elements and automatic data interchange (GE.1), EDIFACT Rapporteurs' Teams.
UN	UN/CEFACT United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT). GS1 Description: UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).
0052	Message version number Version number of a message type.
1	Status 1 version Message approved and issued as a status 1 (trial) message. (Valid for directories published after March 1990 and prior to March 1993).
2	Status 2 version Message approved and issued as a status 2 (formal recommendation) message. (Valid for directories published after March 1990 and prior to March 1993).
4	Service message, version 4 Service messages approved and issued as a part of ISO 9735/Version 4, for use with that version of the syntax. Notes: For earlier versions of the UN/EDIFACT CONTRL message, each published by the UN as a stand-alone message, the version number to be used is specified in the message documentation.
88	1988 version Message approved and issued in the 1988 release of the UNTDID (United Nations Trade Data Interchange Directory) as a status 2 (formal recommendation) message.
89	1989 version Message approved and issued in the 1989 release of the UNTDID (United Nations Trade Data Interchange Directory) as a status 2 (formal recommendation) message.

Used Codes

90	1990 version Message approved and issued in the 1990 release of the UNTDID (United Nations Trade Data Interchange Directory) as a status 2 (formal recommendation) message.
D	Draft version/UN/EDIFACT Directory Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).
S	Standard version Message approved and issued as a standard message. (Valid for directories published after March 1993 and prior to March 1997).
0054	Message release number Release number within the current message version number.
1	First release Message approved and issued in the first release of the year of the UNTDID (United Nations Trade Data Interchange Directory).
2	Second release User message approved and issued in the second release of the year of the UNTDID (United Nations Trade Data Interchange Directory); valid for directories published prior to March 1990. Service message approved and issued as the second release of the message within a version of ISO 9735; valid for version 4 of IS0 9735 and later.
902	Trial release 1990 Message approved and issued in the 1990 status 1 (trial) release of the UNTDID (United Nations Trade Data Interchange Directory).
911	Trial release 1991 Message approved and issued in the 1991 status 1 (trial) release of the UNTDID (United Nations Trade Data Interchange Directory).
912	Standard release 1991 Message approved and issued in the 1991 status 2 (standard) release of the UNTDID (United Nations Trade Data Interchange Directory).
921	Trial release 1992 Message approved and issued in the 1992 status 1 (trial) release of the UNTDID (United Nations Trade Data Interchange Directory).
932	Standard release 1993 Message approved and issued in the 1993 status 2 (standard) release of the UNTDID (United Nations Trade Data Interchange Directory).
00A	Release 2000 - A Message approved and issued in the first 2000 release of the UNTDID (United Nations Trade Data Interchange Directory).

Used Codes

00B	Release 2000 - B Message approved and issued in the second 2000 release of the UNTDID (United Nations Trade Data Interchange Directory).
01A	Release 2001 - A Message approved and issued in the first 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).
01B	Release 2001 - B Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).
01C	Release 2001 - C Message approved and issued in the third 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).
02A	Release 2002 - A Message approved and issued in the first 2002 release of the UNTDID (United Nations Trade Data Interchange Directory).
02B	Release 2002 - B Message approved and issued in the second 2002 release of the UNTDID (United Nations Trade Data Interchange Directory).
03A	Release 2003 - A Message approved and issued in the first 2003 release of the UNTDID (United Nations Trade Data Interchange Directory).
03B	Release 2003 - B Message approved and issued in the second 2003 release of the UNTDID (United Nations Trade Data Interchange Directory).
04A	Release 2004 - A Message approved and issued in the first 2004 release of the UNTDID (United Nations Trade Data Interchange Directory).
04B	Release 2004 - B Message approved and issued in the second 2004 release of the UNTDID (United Nations Trade Data Interchange Directory).
05A	Release 2005 - A Message approved and issued in the first 2005 release of the UNTDID (United Nations Trade Data Interchange Directory).
05B	Release 2005 - B Message approved and issued in the second 2005 release of the UNTDID (United Nations Trade Data Interchange Directory).
06A	Release 2006 - A Message approved and issued in the first 2006 release of the UNTDID (United Nations Trade Data Interchange Directory).

Used Codes

06B	Release 2006 - B Message approved and issued in the second 2006 release of the UNTDID (United Nations Trade Data Interchange Directory).
07A	Release 2007 - A Message approved and issued in the first 2007 release of the UNTDID (United Nations Trade Data Interchange Directory).
07B	Release 2007 - B Message approved and issued in the second 2007 release of the UNTDID (United Nations Trade Data Interchange Directory).
08A	Release 2008 - A Message approved and issued in the first 2008 release of the UNTDID (United Nations Trade Data Interchange Directory).
08B	Release 2008 - B Message approved and issued in the second 2008 release of the UNTDID (United Nations Trade Data Interchange Directory).
09A	Release 2009 - A Message approved and issued in the first 2009 release of the UNTDID (United Nations Trade Data Interchange Directory).
09B	Release 2009 - B Message approved and issued in the second 2009 release of the UNTDID (United Nations Trade Data Interchange Directory).
10A	Release 2010 - A Message approved and issued in the first 2010 release of the UNTDID (United Nations Trade Data Interchange Directory).
10B	Release 2010 - B Message approved and issued in the second 2010 release of the UNTDID (United Nations Trade Data Interchange Directory).
11A	Release 2011 - A Message approved and issued in the first 2011 release of the UNTDID (United Nations Trade Data Interchange Directory).
11B	Release 2011 - B Message approved and issued in the second 2011 release of the UNTDID (United Nations Trade Data Interchange Directory).
12A	Release 2012 - A Message approved and issued in the first 2012 release of the UNTDID (United Nations Trade Data Interchange Directory).
12B	Release 2012 - B Message approved and issued in the second 2012 release of the UNTDID (United Nations Trade Data Interchange Directory).

Used Codes

13A	Release 2013 - A Message approved and issued in the first 2013 release of the UNTDID (United Nations Trade Data Interchange Directory).
13B	Release 2013 - B Message approved and issued in the second 2013 release of the UNTDID (United Nations Trade Data Interchange Directory).
14A	Release 2014 - A Message approved and issued in the first 2014 release of the UNTDID (United Nations Trade Data Interchange Directory).
14B	Release 2014 - B Message approved and issued in the second 2014 release of the UNTDID (United Nations Trade Data Interchange Directory).
15A	Release 2015 - A Message approved and issued in the first 2015 release of the UNTDID (United Nations Trade Data Interchange Directory).
15B	Release 2015 - B Message approved and issued in the second 2015 release of the UNTDID (United Nations Trade Data Interchange Directory).
16A	Release 2016 - A Message approved and issued in the first 2016 release of the UNTDID (United Nations Trade Data Interchange Directory).
16B	Release 2016 - B Message approved and issued in the second 2016 release of the UNTDID (United Nations Trade Data Interchange Directory).
17A	Release 2017 - A Message approved and issued in the first 2017 release of the UNTDID (United Nations Trade Data Interchange Directory).
17B	Release 2017 - B Message approved and issued in the second 2017 release of the UNTDID (United Nations Trade Data Interchange Directory).
18A	Release 2018 - A Message approved and issued in the first 2018 release of the UNTDID (United Nations Trade Data Interchange Directory).
18B	Release 2018 - B Message approved and issued in the second 2018 release of the UNTDID (United Nations Trade Data Interchange Directory).
19A	Release 2019 - A Message approved and issued in the first 2019 release of the UNTDID (United Nations Trade Data Interchange Directory).

Used Codes

19B	Release 2019 - B Message approved and issued in the second 2019 release of the UNTDID (United Nations Trade Data Interchange Directory).
20A	Release 2020 - A Message approved and issued in the first 2020 release of the UNTDID (United Nations Trade Data Interchange Directory).
20B	Release 2020 - B Message approved and issued in the second 2020 release of the UNTDID (United Nations Trade Data Interchange Directory).
21A	Release 2021 - A Message approved and issued in the first 2021 release of the UNTDID (United Nations Trade Data Interchange Directory).
21B	Release 2021 - B Message approved and issued in the second 2021 release of the UNTDID (United Nations Trade Data Interchange Directory).
93A	Release 1993 - A Message approved and issued in the 1993 release of the UNTDID (United Nations Trade Data Interchange Directory).
94A	Release 1994 - A Message approved and issued in the first 1994 release of the UNTDID (United Nations Trade Data Interchange Directory).
94B	Release 1994 - B Message approved and issued in the second 1994 release of the UNTDID (United Nations Trade Data Interchange Directory).
95A	Release 1995 - A Message approved and issued in the first 1995 release of the UNTDID (United Nations Trade Data Interchange Directory).
95B	Release 1995 - B Message approved and issued in the second 1995 release of the UNTDID (United Nations Trade Data Interchange Directory).
96A	Release 1996 - A Message approved and issued in the first 1996 release of the UNTDID (United Nations Trade Data Interchange Directory).
96B	Release 1996 - B Message approved and issued in the second 1996 release of the UNTDID (United Nations Trade Data Interchange Directory).
97A	Release 1997 - A Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).

Used Codes

97B	Release 1997 - B Message approved and issued in the second 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).
98A	Release 1998 - A Message approved and issued in the first 1998 release of the UNTDID (United Nations Trade Data Interchange Directory).
98B	Release 1998 - B Message approved and issued in the second 1998 release of the UNTDID (United Nations Trade Data Interchange Directory).
99A	Release 1999 - A Message approved and issued in the first 1999 release of the UNTDID (United Nations Trade Data Interchange Directory).
99B	Release 1999 - B Message approved and issued in the second 1999 release of the UNTDID (United Nations Trade Data Interchange Directory).

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.
EAN001	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 001.
EAN002	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 002.
EAN003	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 003.
EAN004	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 004.
EAN005	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 005.
EAN006	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 006.
EAN007	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 007.
EAN008	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 008.
EAN009	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 009.
EAN010	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 010.

Used Codes

EAN011	GS1 version control number (GS1 Permanent Code) Indicates that the message is an EANCOM message in version 011.
GDSN23	GDSN version 2.3 (GS1 Permanent Code) Indicates that the message is a Global Data Synchronization Network version 2.3 message.
0065	Message type Code identifying a type of message and assigned by its controlling agency. Notes: 1. In UNSMs (United Nations Standard Messages), the representation is a6.
CONTRL	
0083	Action, coded A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange, or indication of interchange receipt.
1	Acknowledged (this level and all lower levels) (GS1 Permanent Code) The currently identified interchange is acknowledged.
2	Acknowledged - errors detected and reported (GS1 Permanent Code) The currently identified interchange is acknowledged but errors have been detected and reported.
3	One or more rejected - next lower level (GS1 Permanent Code) Information from the next lower level in the currently identified interchange has been rejected.
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.
5	UNB/UNZ accepted (GS1 Permanent Code) The currently identified interchange has been accepted.
6	UNB/UNZ rejected (GS1 Permanent Code) The currently identified interchange has been rejected.
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. GS1 Description: 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.

Used Codes

8	Interchange received Indication of interchange receipt implies that the recipient of the subject interchange: has received the interchange; and acknowledges the parts of the interchange that have been checked in order to assure that the data elements copied into the reporting UCI segment are syntactically correct; and has accepted liability for notifying the sender of acknowledgement or rejection of the other parts of the interchange; and has taken reasonable precautions in order to ensure that the sender is so notified.
0085	Syntax error, coded A code indicating the error detected.
1	UNA not supported (GS1 Temporary Code) Notification that the UNA character string cannot be understood or complied with.
2	Syntax level or version not supported Notification that the syntax version and/or level is not supported by the recipient.
3	Message version/release not supported (GS1 Temporary Code) Notification that the message type, version number and/or release number in the UNG and/or UNH segments are not supported by the recipient.
6	Data segment missing/invalid (GS1 Temporary Code) Notification that a data segment is missing, contains invalid data or cannot be processed for any reason.
7	Interchange recipient not actual recipient Notification that the Interchange recipient (S003) is different from the actual recipient.
9	Mandatory data element missing (GS1 Temporary Code) Indication that a mandatory data element is missing in a service or data segment.
11	Password invalid (GS1 Temporary Code) 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	Missing Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing

Used Codes

14	Value not supported in this position 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.
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.
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.
17	No agreement 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.
18	Unspecified error Notification that an error has been identified, but the nature of the error is not reported.
19	
20	Character invalid as service character Notification that a character advised in UNA is invalid as service character.
21	Invalid character(s) 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.
22	Invalid service character(s) 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.
23	Unknown interchange sender Notification that the Interchange sender (S002) is unknown.
24	Too old Notification that the received interchange or functional group is older than a limit specified in an IA or determined by the recipient.
25	Test indicator not supported Notification that a test processing could not be performed for the identified interchange, functional group or message.

Used Codes

26	Duplicate detected Notification that a possible duplication of a previously received interchange, functional group or message has been detected. The earlier transmission may have been rejected.
27	Security function not supported Notification that a security function related to the referenced-level or data element is not supported.
28	References do not match Notification that the control reference in UNB/UNG/UNH does not match the one in UNZ/UNE/UNT.
29	Control count does not match number of instances received Notification that the number of functional groups/ messages/segments does not match the number given in UNZ/UNE/UNT.
30	Functional groups and messages mixed Notification that individual messages and functional groups have been mixed at the same level in the interchange.
31	More than one message type in group Notification that different message types are contained in a functional group.
32	Lower level empty Notification that the interchange did not contain any messages or functional groups, or a functional group did not contain any messages.
33	Invalid occurrence outside message or functional group 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.
34	Nesting indicator not allowed Notification that explicit nesting has been used in a message where it shall not be used.
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.
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.
38	Missing digit in front of decimal sign Notification that a decimal sign is not preceded by one or more digits.
39	Data element too long Notification that the length of the data element received exceeded the maximum length specified in the data element description.

Used Codes

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.
41	Permanent communication network error 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.
42	Temporary communication network error 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.
43	Unknown interchange recipient Notification that the interchange recipient is not known by a network provider.

0813	Reference qualifier Code giving specific meaning to a reference identification number.
1	Object identification number Identification number assigned to an object.
2	Application message reference number Reference number assigned to a message by a computer application.

Example

```
UNA:+.?*'
```
UNA:+.?*'

```
UNB+UNOA:4+4012345000009:14:1+4000004000002:14:4000004000099+20151013:10
43+12345555+REF:AA++A+1+EANCOM-DISI+1'
```
UNB+UNOC:4+5412345678908:14+8798765432106:14+20020102:
1000+12345555+++++EANCOMREF 52'

```
UNH+ME000001+CONTRL:4:1:UN:EAN005:X'
```
UNH+ME000001+CONTRL:4:1:UN:EAN005'

```
UCI+10001+5412345000013:14:X+5412345000020:14:X+8+1+X+123:123'
```
UCI+10001+5412345000013:14+5412345000020:14+8'

```
UCM+ME002341+CONTRL:4:1:UN:EAN001:X+4+3+AAA+1:1'
```
UCM+ME002341+INVOIC:D:01B:UN:EAN010+4+13+UNH+2'

```
UCS+1+6'
```
UCS+3+12'

```
UCD+9+1:1'
```
UCD+12+4:4'

```
UNT+6+ME000001'
```
UNT+6+ME000001'

```
UNZ+1+12345555'
```
UNZ+5+12345555'