Eaton Corporation
Electronic Data Interchange (EDI) Standards
Syntax Messages (CONTRL)
Version 97A

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Author: Kathy Grubar

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CONTRL Syntax and service report message for batch EDI

Message Status=0

CONTRL is a message syntactically acknoledging or rejecting, with error indication, a received interchange, group, message, or package. A CONTRL message shall be used to: a) acknowldege or reject a received interchange, group, message, or package and list any syntactical errors or unsupported functionality contained therein, or b) indicate only the receipt of an interchange

Not Defined:

Pos	Tag	Segment Name	Status	Rep	Notes	Usage
	UNB	INTERCHANGE HEADER	M	1		Must use
0010	UNH	Message Header	M	1	N0/0010	Must use
0020	UCI	Interchange response	M	1	N0/0020	Must use
0160	UNT	Message Trailer	M	1		Must use
	UNZ	INTERCHANGE TRAILER	M	1		Must use

Clarification:

0/0010 A service segment starting and uniquely identifying a message. THe message type code for Syntax and service report message is CONTRL. Note: Syntax and sercice report messages conforming to this document shall contain the following data in segment UNH, composite S009: Data element□0065□CONTRL □□0052□4 □□0054□1 □□0051□UN

0/0020 A segment identifying the interchange being responded to (the subject interchange). It also indicates interchange receipt, acknowledgement or rejection (action taken) of the UNA, UNB, and UNZ segments, and identifies 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. The subject interchange shall be identified by copying its Interchange Sender, Interchange Recipient, and Interchange Control Reference data elements into the identical data elements in this segment. An erroneous or missing UNA, UNB, UNZ, USA, USC, USD, USH, USR, UST, or USU segment may be identified. If no segment is identified the error relates to the complete interchange.

UNB INTERCHANGE HEADER

Pos:	Max: 1
Mandatory	
Group: N/A	Elements: 5

User Option (Usage): Must use

To start, identify and specify an interchange.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB010	S001	**SYNTAX IDENTIFIER** **Description:** Identification of the agency controlling the syntax and indication of syntax level.	M	Comp		Must use
	0001	**Syntax identifier** **Description:** Coded identification of the agency controlling a syntax and syntax level used in an interchange. **Code** **Name** UNOA UN/ECE level A	M	a	4/4	Must use
	0002	**Syntax version number** **Description:** Version number of the syntax identified in the syntax identifier (0001). **Code** **Name** 1 Version 1	M	n	1/1	Must use
UNB020	S002	**INTERCHANGE SENDER** **Description:** Identification of the sender of the interchange.	M	Comp		Must use
	0004	**Sender identification** **Description:** Name or coded representation of the sender of a data interchange.	M	an	1/35	Must use
	0007	**Partner identification code qualifier** **Description:** Qualifier referring to the source of codes for the identifiers of interchanging partners. **User Note 1:** *We also accept 16 (Duns plus) and ZZ (Mutually defined).* **Code** **Name** 1 DUNS (Data Universal Numbering System) 12 Telephone number	C	an	1/4	Used
UNB030	S003	**INTERCHANGE RECIPIENT** **Description:** Identification of the recipient of the interchange.	M	Comp		Must use
	0010	**Recipient identification** **Description:** Name or coded representation of the recipient of a data interchange.	M	an	1/35	Must use
	0007	**Partner identification code qualifier** **Description:** Qualifier referring to the source of codes for the identifiers of interchanging partners. **User Note 1:** *We also accept 16 (Duns plus) and ZZ (Mutually defined).* **Code** **Name** 1 DUNS (Data Universal Numbering System) 12 Telephone number	C	an	1/4	Used
UNB040	S004	**DATE/TIME OF PREPARATION**	M	Comp		Must use

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
		Description: Date/time of preparation of the interchange.				
	0017	**Date of preparation** **Description:** Local date when an interchange or a functional group was prepared.	M	n	6/6	Must use
	0019	**Time of preparation** **Description:** Local time of day when an interchange or a functional group was prepared.	M	n	4/4	Must use
UNB050	0020	**Interchange control reference** **Description:** Unique reference assigned by the sender to an interchange.	M	an	1/14	Must use

UNH Message Header

Pos: 0010 **Max: 1**
Mandatory
Group: N/A **Elements: 2**

User Option (Usage): Must use

To head, identify and specify a message

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH010	0062	**Message reference number** **Description:** Unique message reference assigned by the sender.	M	an	1/14	Must use
UNH020	S009	**Message Identifier** **Description:** Identification of the type, version, etc. of the message being interchanged.	M	Comp		Must use
	0065	**Message type identifier** **Description:** Code identifying a type of message and assigned by its controlling agency. **Code** **Name** CONTRL Syntax and service report message	M	an	1/6	Must use
	0052	**Message type version number** **Description:** Version number of a message type. **Code** **Name** D Draft version/UN/EDIFACT Directory	M	an	1/3	Must use
	0054	**Message type release nubmer** **Description:** Release number within the current message type version number (0052). **User Note 1:** *Must be '97A'*	M	an	1/3	Must use
	0051	**Controlling agency** **Description:** Code identifying the agency controlling the specification, maintenance and publication of the message type. **Code** **Name** UN UN/ECE/TRADE/WP.4	M	an	1/2	Must use

UCI Interchange response

Pos: 0020 **Max: 1**
Mandatory
Group: N/A **Elements: 4**

User Option (Usage): Must use

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.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UCI010	0020	**Interchange control reference** **Description:** Unique reference assigned by the sender to an interchange.	M	an	1/14	Must use
UCI020	S002	**Interchange Sender** **Description:** Identification of the sender of the interchange.	M	Comp		Must use
	0004	**Sender identification** **Description:** Name or coded representation of the sender of a data interchange.	M	an	1/35	Must use
	0007	**Partner identification code qualifier** **Description:** Qualifier referring to the source of codes for the identifiers of inrechanging partners. **User Note 1:** *We also accept 16 (Duns plus) and ZZ (Mutually defined).* **Code** **Name** 1 DUNS (Dun & Bradstreet) 12 Telephone number	C	an	1/4	Used
UCI030	S003	**Interchange Recipient** **Description:** Identification of the recipient of the interchange.	M	Comp		Must use
	0010	**Recipient identification** **Description:** Name or coded identification of the recipient of a data interchange.	M	an	1/35	Must use
	0007	**Partner identification code qualifier** **Description:** Qualifier referring to the source of codes for the identifiers of inrechanging partners. **User Note 1:** *We also accept 16 (Duns plus) and ZZ (Mutually defined).* **Code** **Name** 1 DUNS (Dun & Bradstreet) 12 Telephone number	C	an	1/4	Used
UCI040	0083	**Action, coded** **Description:** A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange. **Code** **Name** 4 This level and all lower levels rejected 7 This level acknowldeged and all lower levels acknowledged if not expicitly rejected	M	an	1/3	Must use

UNT Message Trailer

Pos: 0160 **Max: 1**
Mandatory
Group: N/A **Elements: 2**

User Option (Usage): Must use

To end and check the completeness of a message.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNT010	0074	**Number of segments in a message** **Description:** Control count of number of segments in a message.	M	n	1/6	Must use
UNT020	0062	**Message reference number** **Description:** Unique message reference assigned by the sender.	M	an	1/14	Must use

UNZ INTERCHANGE TRAILER

Pos:	Max: 1
Mandatory	
Group: N/A	Elements: 2

User Option (Usage): Must use

To end and check the completeness of an interchange.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNZ010	0036	**Interchange control count** **Description:** Count either of the number of messages or, if used, of the number of functional groups in an interchange.	M	n	1/6	Must use
UNZ020	0020	**Interchange control reference** **Description:** Unique reference assigned by the sender to an interchange.	M	an	1/14	Must use

Eaton Corporation
EDI CONTRL sample

UNB+UNOA:1+123456:ZZ+056894041:16+041018:1931+000000002'

UNH+00002+CONTRL:D:97A:UN'

UCI+29+056894041:16+123456:ZZ+7'

Sender 056894041 acknowledges file from 123456 as reference number 29.

UNT+3+00002'

UNZ+1+000000002'