

EDI — Message — Syntax and service report message (CTRL)

The European Standard EN 1833 : 1996 has the status of a
British Standard

ICS 35.240.60

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- Computing Services and Software Association
- EDI Association
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National foreword

This British Standard has been prepared by Technical Committee IST/14 and is the English language version of EN 1833 : 1996 *EDI — Message — Syntax and service report message (CONTRL)* published by the European Committee for Standardization (CEN).

NOTE. Ignore the reference to **1.3.7** in the note to A.2. It does not exist in this standard.

This British Standard is published under the direction of the DISC Board whose Technical Committee IST/14 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 30, an inside back cover and a back cover.

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Descriptors: Information interchange, data transfer, data transmission, messages, acceptance, common transaction language

English version

EDI — Message — Syntax and service report message (CONTRL)

EDI — Message — Compte rendu syntaxique et de
service (CONTRL)

EDI — Nachricht — Syntax- und Servicebericht
(CONTRL)

This European Standard was approved by CEN on 1995-12-15. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Western European EDIFACT Board, in the UN/EDIFACT context.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 1997 and conflicting national standards shall be withdrawn at the latest by January 1997.

This message standard shall be used in conjunction with EN 1475 : 1994, Supporting Directory based on UN/EDIFACT D.93A Directory. For reference to codes (which are not part of this or any other standard) refer to European Board for EDI Standardization (EBES) c/o CEN - Rue de Stassart, 36, B-1050 Brussels.

This standard is technically identical to the corresponding UN/EDIFACT recommendation.

This specification of CONTRL makes use of segments, composite data elements, data elements and codes specified in section 5. These segments, composite data elements, data elements and codes are not available for use in user messages.

In addition, the specification makes use of segments, composite data elements and data elements specified in ISO 9735. Their specifications are reproduced in section 5.

Code lists for data elements specified in ISO 9735 can be found in the UN Trade Data Interchange Directory, UNTDID.

Since this document contains a service message, not using the working or standard directories, and is self-contained, having its own service directory set, data element 0052/0054 shall identify this document via its version release number. Currently, the document version is 2, and the document release is 1.

For general information on UN standard message types see UN Trade Data Interchange Directory, UNTDID, Part 4, Section 2.5, UN/ECE UNSM General Introduction.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This specification provides the definition of the Syntax and Service Report Message (CONTRL) to be used in electronic data interchange between partners involved in administration, commerce and transport.

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:

- a) acknowledge or reject a received interchange, functional group or message and list any errors contained therein, or
- b) indicate only the receipt of an interchange.

2 Normative references

This standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

UNTDID UN Trade Data Interchange Directory,

Issue UN/ECE/TRADE/WP.4/R.1016, Part 4, UN/ECE UNSM – General Introduction¹⁾

3 Definitions

For the purposes of this standard, the following definitions apply:

UNTDID (see normative reference).

In addition the following definitions apply to this specification:

Acknowledgement

Acknowledgement implies that the recipient of the subject 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 acknowledged (parts of) service segments are semantically correct (if no errors are reported); and
- will comply with the actions requested in the acknowledged (parts of 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.

Indication of interchange receipt

Indication of interchange receipt implies that the receipt 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.

Rejection

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.

¹⁾ Information about sources of supply can be obtained by EBES c/o CEN – Rue de Stassart, 36, B-1050 Brussels.

To report

To indicate the action (acknowledgement or rejection) taken for a subject interchange or part of it.

Reporting-level

A Reporting-level is a segment in CONTRL in which reporting of a corresponding referenced-level takes place. The reporting-levels are UCI, UCF, UCM, UCS and UCD.

Referenced-level

The structure of CONTRL is based on five segments (UCI, UCF, UCM, UCS and UCD) that contain a reference to a part of the subject interchange. The parts of the subject interchange are:

- the UNA, UNB and UNZ segments, referenced in the UCI segment;
- the UNG and UNE segments, referenced in the UCF segment;
- a complete message, referenced in the UCM segment;
- a segment in a message, referenced in the UCS segment;
- a simple, composite or component data element, referenced in the UCD segment.

These parts of the subject interchange are called Referenced-levels.

Subject interchange

The interchange that a CONTRL message is returned in response to.

4 Requirements

4.1 Data segment clarification

This section should be read in conjunction with the segment table in 4.2 which indicates the structure and mandatory, conditional and repeating requirements for the message. The corresponding information for data elements in the segments is given in 5.2.

UHN, Message header

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

NOTE. Syntax and Service Report Messages conforming to this document must contain the following data in segment UHN, composite S009:

Data element	0065 CONTRL
	0052 2
	0054 1
	0051 UN

UCI, Interchange response

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 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.

The subject interchange is 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 or UNZ segment may be identified. If UNG or UNH are identified, the error relates to some functional group or message. If no segment is identified, the error relates the complete interchange, unless the error code identifies some other position.

Segment Group 1: 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.

UCM, Message response

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

The message is identified by copying its Message Identifier and Message Reference Number data elements into the identical data elements in this segment. An erroneous or missing UNH or UNT segment may be identified. If no segment is identified and segment group 2 is not present, the error relates to the complete message, unless the error code identifies some other position.

Segment Group 2: 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.

UCS, Segment error indication

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

UCD, Data element error indication

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

Segment Group 3: UCF-SG4

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

UCF, Functional group response

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

The functional group is identified by copying its Application Sender's Identification, Application Recipient's identification, and Functional Group Reference Number data elements into the identical data elements in this segment. An erroneous or missing UNG or UNE segment may be identified. If UNH is identified, the error relates to some message. If no segment is identified, the error relates the complete functional group, unless the error code identifies some other position.

Segment Group 4: UCM-SG5

A group of segments sent in response to a message in the functional group identified in segment group 3.

UCM, Message response

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

The message is identified by copying its Message Identifier and Message Reference Number data elements into the identical data elements in this segment. An erroneous or missing UNH or UNT segment may be identified. If no segment is identified and segment group 5 is not present, the error relates to the complete message, unless the error code identifies some other position.

Segment Group 5: 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 4.

UCS, Segment error indication

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

UCD, Data element error indication

A segment identifying an erroneous simple, composite or component data element in the segment identified by the UCS segment in group 5, and identifying the nature of the error.

UNT, Message trailer

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

4.2 Message structure

4.2.1 Branching diagram (informative)

NOTE. Not part of this European Standard

4.2.2 Segment table

Table 1. Segment table					
TAG	NAME	S	REPT	S	REPT
UNH	Message Header	M	1		
UCI	Interchange response	M	1		
---	Segment Group 1 -----			C	999999
UCM	Message response	M	1		! ! !
---	Segment Group 2 -----			C	999
UCS	Segment error indication	M	1		! ! !
UCD	Data element error indication	C	99		-----+
---	Segment Group 3 -----			C	999999
UCF	Functional group response	M	1		! ! !
---	Segment Group 4 -----			C	999999
UCM	Message response	M	1		! ! !
---	Segment Group 5 -----			C	999
UCS	Segment error indication	M	1		! ! !
UCD	Data element error indication	C	99		-----+
UNT	Message Trailer	M	1		

5 Directories

5.1 Introduction

This specification of CONTRL makes use of segments, composite data elements, data elements and codes that are specific to CONTRL. They are specified in the following subsections. These segments, composite data elements, data elements and codes are not available for use in user messages. Changes in relation to the version of CONTRL specified in R. 589 (1989) are indicated on the left side of the descriptions as follows:

- * Changes in this issue
- + Added in this issue
- Deleted in this issue

In addition, the CONTRL message makes use of segments, composite data elements, data elements and codes specified in ISO 9735. The specifications used shall be those in the version of ISO 9735 which is used for the interchange containing the CONTRL message. The specifications of versions 2 and 3 contained in ISO 9735 are reproduced in the following subsections. Differences between versions 1 and 2 are also indicated. Code lists for data elements specified in ISO 9735 can be found in the UN Trade Data Interchange Directory, UNTDID.

5.2 Segments

5.2.1 Listing of segments by tag

	Tag	Name
—	TXT	Test
*	UCD	Data element error indication
*	UCF	Functional group response
*	UCI	Interchange response
*	UCM	Message response
—	UCR	Segment error indication
+	UCS	Segment error indication
—	UCX	Message level action and error codes
—	UCY	Group level action and error codes and message counts
	UNH	Message header
	UNT	Message trailer

5.2.2 Listing of segments by name

	Tag	Name
*	UCD	Data element error indication
*	UCF	Functional group response
—	UCY	Group level action and error codes and message counts
*	UCI	Interchange response
	UNH	Message header
—	UCX	Message level action and error codes
*	UCM	Message response
	UNT	Message trailer
*	UCS	Segment error indication

5.2.3 Segment specifications

*	UCD	DATA ELEMENT ERROR INDICATION		
Function:		To identify an erroneous simple, composite or component data element, and to identify the nature of the error.		
0085		SYNTAX ERROR, CODED	M	an .. 3
S011		DATA ELEMENT IDENTIFICATION	M	
0098		Erroneous data element position in segment	M	n .. 3
0104		Erroneous component data element position	C	n .. 3
