INTERNATIONAL STANDARD

ISO 9735-4

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1998-12-15

Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4) —

Part 4:
Syntax and service report message for batch EDI (message type – CONTRL)

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Échange de données informatisées pour l'administration, le commerce et le transport (EDIFACT) — Règles de syntaxe au niveau de l'application (Numéro de version de syntaxe: 4) —
Partie 4: Message de rapport de syntaxe et de service pour le lot EDI (message type –CONTRL)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

This part of ISO 9735 was prepared by the UN/ECE Trade Division (as UN/EDIFACT) and was adopted, under a special "fast-track procedure", by Technical Committee ISO/TC 154, *Documents and data elements in administration, commerce and industry*.

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Whereas this part supersedes the earlier publications, and shall use a version number of "4" in the mandatory data element 0002 (Syntax version number) in the segment UNB (Interchange header), interchanges continuing to use the syntax defined in the earlier published versions shall use the following Syntax version numbers, in order to differentiate them from each other and from this part:

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ISO 9735:1988 — *Syntax version number:1*

ISO 9735:1988 (amended and reprinted in 1990) — *Syntax version number: 2*

ISO 9735:1988 (amended and reprinted in 1990) plus Amendment 1:1992 — *Syntax version number: 3*

ISO 9735 consists of the following parts, under the general title *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4)*:

— *Part 1: Syntax rules common to all parts, together with syntax service directories for each of the parts*

— *Part 2: Syntax rules specific to batch EDI*

— *Part 3: Syntax rules specific to interactive EDI*

— *Part 4: Syntax and service report message for batch EDI (message type – CONTRL)*

— *Part 5: Security rules for batch EDI (authenticity, integrity and non-repudiation of origin)*

— *Part 6: Secure authentication and acknowledgement message (message type – AUTACK)*

— *Part 7: Security rules for batch EDI (confidentiality)*

— *Part 8: Associated data in EDI*

— *Part 9: Security key and certificate management message (message type – KEYMAN)*

Further parts may be added in the future.

Annex A forms an integral part of this part of ISO 9735.

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Introduction

This part of ISO 9735 provides the capability for the automatic preparation of a message in response to a received interchange, group, message or package:

— to acknowledge a correct syntactical structure; or

— to reject an incorrect syntactical structure.

In the case of rejection, the message lists any syntactical errors or unsupported functions encountered.

In addition to the above, the message may be used to indicate only the receipt of an interchange.

It is based upon a similar service message developed and published by UN/ECE for use with earlier versions of ISO 9735.

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Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4) —

Part 4:
Syntax and service report message for batch EDI (message type – CONTRL)

1 Scope

This part of ISO 9735 defines the syntax and service report message for batch EDI, CONTRL.

2 Conformance

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Conformance to a standard means that all of its requirements, including all options, are supported. If all options are not supported, any claim of conformance shall include a statement which identifies those options to which conformance is claimed.

Data that is interchanged is in conformance if the structure and representation of the data conforms to the syntax rules specified in this International Standard.

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Devices supporting this International Standard are in conformance when they are capable of creating and/or interpreting the data structured and represented in conformance with the standard.

Conformance to this part shall include conformance to ISO 9735-1 and ISO 9735-2.

When identified in this International Standard, provisions defined in related standards shall form part of the conformance criteria.

3 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 9735. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 9735 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 9735-1:1998, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4) — Part 1: Syntax rules common to all parts, together with syntax directories for each of the parts.*

ISO 9735-2:1998, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4) — Part 2: Syntax rules specific to batch EDI.*

4 Message terms and definitions

For the purpose of this part of ISO 9735, the definitions in ISO 9735-1:1998, annex A apply. In addition to those definitions, the following terms uniquely apply to CONTRL. (When a word or phrase appears in italics below, this means that a definition is one of the terms below or it exists in ISO 9735-1, annex A for this word or phrase):

Acknowledgement

Acknowledgement implies that the recipient of the *subject interchange*

— has received the *referenced levels(s)* of the *subject interchange* acknowledged, and

— has checked that there are no fatal syntactic errors in the acknowledged *referenced-level* 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 (*referenced-levels* of the) *service segments*, and

— has accepted responsibility 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.

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Indication of interchange receipt

Indication of interchange receipt implies that the recipient of the *subject interchange*

— has received the *subject interchange*, and

— acknowledges the parts of the *subject 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 responsibility for notifying the sender of *acknowledgement* or *rejection* of the other parts of the *subject 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*

— cannot acknowledge the *subject 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 *subject interchange*.

(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 and any security segments used to secure the *subject interchange* referenced in the UCI segment

— the UNG and UNE segments and any security segments used to secure the group referenced in the UCF *segment*

— a complete *message* or a complete *package* and any security segments used to secure the *message* or *package* referenced in the UCM *segment*

— a *segment* in a *message body*, referenced in the UCS *segment*

— a *stand-alone, composite or component data element*, referenced in the UCD *segment*

These parts of the *subject interchange* are called referenced-levels.

Subject interchange

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

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5 Rules for the use of the syntax and service report message for batch EDI

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5.1 Functional definition

CONTRL is a message syntactically acknowledging or rejecting, with error indication, a received interchange, group, message, or package.

A CONTRL message shall be used to:

a) acknowledge 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.

5.2 Field of application

This specification of CONTRL shall be used for version 4 of the EDIFACT syntax (ISO 9735), and for response to interchanges created using Parts 1, 2, 5, 6, 7, 8 and/or 9 of ISO 9735 only.

5.3 Principles

Support for submission and receipt of the CONTRL message type shall be agreed between partners, as shall the functionalities to be supported. Support for receipt of CONTRL messages shall be indicated either by the acknowledgement request in the subject interchange UNB segment or in an interchange agreement.

The sender (A) of an EDIFACT interchange can in segment UNB request a response from the recipient (B) that the interchange has been received, is syntactically correct, that the service segments are semantically correct and that the recipient supports those functions requested in the service segments. Alternatively, the request can be specified in an Interchange Agreement (IA) between the interchanging partners.

The interchange sent from A to B is called the subject interchange.