



BSI Standards Publication

Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules

Part 10: Syntax service directories (Syntax version number: 4, Syntax
release number: 3)

National foreword

This British Standard is the UK implementation of [ISO 9735-10:2022](#). It supersedes [BS ISO 9735-10:2014](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee IST/47/-/3, eBusiness.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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9735-10

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Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules —

Part 10:

4, Syntax release number: 3)

*Échange de données informatisé pour l'administration, le commerce
et le transport (EDIFACT) — Règles de syntaxe au niveau de
l'application —*

*Partie 10: Annuaire de syntaxe (numéro de version de syntaxe: 4,
numéro d'édition de syntaxe: 3)*



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 154, *Processes, data elements and documents in commerce, industry and administration*, in collaboration with UN/EC (Joint syntax working group).

This third edition cancels and replaces the second edition ([ISO 9735-10:2014](http://www.iso.org/iso/9735-10:2014)), which has been technically revised.

The main changes are as follows:

- [Annex A](#) no longer lists all codes but refers to an external source.

A list of all parts in the ISO 9735 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document includes the rules at the application level for the structuring of data in the interchange of electronic messages in an open environment, based on the requirements of either batch or interactive processing. These rules have been agreed by the United Nations Economic Commission for Europe (UN/ECE) as syntax rules for Electronic Data Interchange for Administration, Commerce and Transport (EDIFACT) and are part of the United Nations Trade Data Interchange Directory (UNTDID) which also includes both batch and interactive Message Design Guidelines.

This document can be used in any application; but messages using these rules can only be referred to as EDIFACT messages if they comply with other guidelines, rules and directories in the UNTDID. For UN/EDIFACT, batch messages comply with the message design rules for batch usage. These rules are maintained in the UNTDID.

Communications specifications and protocols are outside the scope of this document.

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Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules. —

Part 10:

Syntax service directories (Syntax version number: 4, Syntax release number: 3)

1 Scope

This document specifies the syntax service directories of all parts in the ISO 9735 series.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

[ISO 9735-1](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 1: Syntax rules common to all parts*

[ISO 9735-2](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 2: Syntax rules specific to batch EDI*

[ISO 9735-3](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 3: Syntax rules specific to interactive EDI*

[ISO 9735-4](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 4: Syntax and service report message for batch EDI (message type — CONTRL)*

[ISO 9735-5](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 5: Security rules for batch EDI (authenticity, integrity and non-repudiation of origin)*

[ISO 9735-6](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 6: Secure authentication and acknowledgement message (message type - AUTACK)*

[ISO 9735-7](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 7: Security rules for batch EDI (confidentiality)*

[ISO 9735-8](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 8: Associated data in EDI*

[ISO 9735-9](#), *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 9: Security key and certificate management message (message type- KEYMAN)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in [ISO 9735-1](#) apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Conformance

Whereas this document shall use a version number of “4” in the mandatory data element 0002 (Syntax version number), and shall use a release number of “02” in the conditional data element 0076 (Syntax release number), each of which appears 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 document:

- [ISO 9735:1988](#): Syntax version number: 1
- [ISO 9735:1988](#) (amended and reprinted in 1990): Syntax version number: 2
- [ISO 9735:1988](#) and ISO 9735:1988/Amd 1:1992: Syntax version number: 3
- ISO 9735:1998 (all parts): Syntax version number: 4

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 to identify options to which conformance is claimed.

Data that is interchanged is in conformance if the structure and representation of the data conform to the syntax rules specified in this document.

Devices supporting this document are in conformance when they can create and/or interpret the data structured and represented in conformance with this document.

Conformance to this document shall include conformance to [ISO 9735-1](#), [ISO 9735-2](#), [ISO 9735-3](#), [ISO 9735-4](#), [ISO 9735-5](#), [ISO 9735-6](#), [ISO 9735-7](#), [ISO 9735-8](#) and [ISO 9735-9](#).

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

5 Syntax service directories

5.1 Service segment directory

5.1.1 Service segment specification legend

Function	The function of the segment
POS	The sequential position number of the stand-alone data element or composite data element in the segment table

TAG	The tags for all service segments contained in the segment directory shall start with the letter "U". The tags of all service composite data elements start with the letter "S", and the tags of all service simple data elements start with the figure "0".																		
Name	Name of a COMPOSITE DATA ELEMENT in capital letters Name of a STAND-ALONE DATA ELEMENT in capital letters Name of a component data element in small letters																		
S	The status of the stand-alone data element or composite data element in the segment, or of the components in the composite (where M = Mandatory and C = Conditional)																		
R	The maximum number of occurrences of a stand-alone data element or composite data element in the segment																		
Repr.	Data value representation of the stand-alone data element or component data elements in the composite: <table> <tr><td>a</td><td>alphabetic characters</td></tr> <tr><td>n</td><td>numeric characters</td></tr> <tr><td>an</td><td>alphanumeric characters</td></tr> <tr><td>a3</td><td>3 alphabetic characters, fixed length</td></tr> <tr><td>n3</td><td>3 numeric characters, fixed length</td></tr> <tr><td>an3</td><td>3 alphanumeric characters, fixed length</td></tr> <tr><td>a..3</td><td>up to 3 alphabetic characters</td></tr> <tr><td>n..3</td><td>up to 3 numeric characters</td></tr> <tr><td>an..3</td><td>up to 3 alphanumeric characters</td></tr> </table>	a	alphabetic characters	n	numeric characters	an	alphanumeric characters	a3	3 alphabetic characters, fixed length	n3	3 numeric characters, fixed length	an3	3 alphanumeric characters, fixed length	a..3	up to 3 alphabetic characters	n..3	up to 3 numeric characters	an..3	up to 3 alphanumeric characters
a	alphabetic characters																		
n	numeric characters																		
an	alphanumeric characters																		
a3	3 alphabetic characters, fixed length																		
n3	3 numeric characters, fixed length																		
an3	3 alphanumeric characters, fixed length																		
a..3	up to 3 alphabetic characters																		
n..3	up to 3 numeric characters																		
an..3	up to 3 alphanumeric characters																		

5.1.2 Dependency note identifiers

Code	Name
D1	One and only one
D2	All or none
D3	One or more
D4	One or none
D5	If first, then all
D6	If first, then at least one more
D7	If first, then none of the others

See [ISO 9735-1:2002](#), 11.5 for the definition of the dependency note identifiers.

5.1.3 Index of service segments by tag

Change indicators (compared with the previous edition of this document):

a plus sign (+)	for an addition
an asterisk (*)	for an amendment to structure

a hash sign (#)	for changes to names
a vertical bar ()	for changes to text for descriptions, notes and functions
a minus sign (-)	for a deletion
an X sign (X)	for marked for deletion

Tag	Name
UCD	Data element error indication
UCF	Group response
UCI	Interchange response
UCM	Message/package response
UCS	Segment error indication
UGH	Anti-collision segment group header
UGT	Anti-collision segment group trailer
UIB	Interactive interchange header
UIH	Interactive message header
UIR	Interactive status
UIT	Interactive message trailer
UIZ	Interactive interchange trailer
UNB	Interchange header
UNE	Group trailer
UNG	Group header
UNH	Message header
UNO	Object header
UNP	Object trailer
UNS	Section control
UNT	Message trailer
UNZ	Interchange trailer
USA	Security algorithm
USB	Secured data identification
USC	Certificate
USD	Data encryption header
USE	Security message relation
USF	Key management function
USH	Security header
USL	Security list status
USR	Security result
UST	Security trailer
USU	Data encryption trailer
USX	Security references
USY	Security on references

5.1.4 Index of service segments by name

Change indicators (compared with the previous edition of this document):

a plus sign (+)	for an addition
an asterisk (*)	for an amendment to structure
a hash sign (#)	for changes to names
a vertical bar ()	for changes to text for descriptions, notes and functions
a minus sign (-)	for a deletion
an X sign (X)	for marked for deletion

Tag	Name
UGH	Anti-collision segment group header
UGT	Anti-collision segment group trailer
USC	Certificate
UCD	Data element error indication
USD	Data encryption header
USU	Data encryption trailer
UNG	Group header
UCF	Group response
UNE	Group trailer
UIB	Interactive interchange header
UIZ	Interactive interchange trailer
UIH	Interactive message header
UIT	Interactive message trailer
UIR	Interactive status
UNB	Interchange header
UCI	Interchange response
UNZ	Interchange trailer
USF	Key management function
UNH	Message header
UNT	Message trailer
UCM	Message/package response
UNO	Object header
UNP	Object trailer
UNS	Section control
USB	Secured data identification
USA	Security algorithm
USH	Security header
USL	Security list status
USE	Security message relation
USY	Security on references
USX	Security references
USR	Security result
UST	Security trailer
UCS	Segment error indication

5.1.5 Service segment specifications

Change indicators (compared with the previous edition of this document):

a plus sign (+)	for an addition
an asterisk (*)	for an amendment to structure
a hash sign (#)	for changes to names
a vertical bar ()	for changes to text for descriptions, notes and functions
a minus sign (-)	for a deletion
an X sign (X)	for marked for deletion

Details of the service segments are specified in [Table 1](#) to [Table 34](#).

Table 1 — Details of UCD DATA ELEMENT ERROR INDICATION segment

UCD DATA ELEMENT ERROR INDICATION segment						
Function: To identify an erroneous stand-alone, composite or component data element, and to identify the nature of the error.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0085	SYNTAX ERROR, CODED	M	1	an..3	
020	S011	DATA ELEMENT IDENTIFICATION	M	1		
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	

Table 2 — Details of UCF GROUP RESPONSE segment

UCF GROUP RESPONSE segment						
Function: To identify a group in the subject interchange and to indicate acknowledgement or rejection (action taken) of the UNG and UNE segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the group level. Depending on the action code, it may also indicate the action taken on the messages and packages within that group.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0048	GROUP REFERENCE NUMBER	M	1	an..14	
020	S006	APPLICATION SENDER IDENTIFICATION	C	1		7
	0040	Application sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
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.						
OTHER REMARKS:						
5 0135, may only contain the values UNG, UNE, USA, USC, USD, USH, USR, UST, or USU.						
6 This data element shall be present when reporting an error in a security segment.						
7 This data element shall be present if it was present in the subject interchange.						

UCF GROUP RESPONSE segment						
Function: To identify a group in the subject interchange and to indicate acknowledgement or rejection (action taken) of the UNG and UNE segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the group level. Depending on the action code, it may also indicate the action taken on the messages and packages within that group.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
030	S007	APPLICATION RECIPIENT IDENTIFICATION	C	1		7
	0044	Application recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
040	0083	ACTION, CODED	M	1	an..3	
050	0085	SYNTAX ERROR, CODED	C	1	an..3	1,2,3,4
060	0135	SERVICE SEGMENT TAG, CODED	C	1	an..3	1,2,3,4,5
070	S011	DATA ELEMENT IDENTIFICATION	C	1		2
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	
080	0534	SECURITY REFERENCE NUMBER	C	1	an..14	3,4,6
090	0138	SECURITY SEGMENT POSITION	C	1	n..6	3,4,6
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.						
OTHER REMARKS:						
5 0135, may only contain the values UNG, UNE, USA, USC, USD, USH, USR, UST, or USU.						
6 This data element shall be present when reporting an error in a security segment.						
7 This data element shall be present if it was present in the subject interchange.						

Table 3 — Details of UCI INTERCHANGE RESPONSE segment:

UCI INTERCHANGE RESPONSE segment:						
Function: 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.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	
020	S002	INTERCHANGE SENDER	M	1		
	0004	Interchange sender identification	M		an..35	
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.						
OTHER REMARKS:						
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.						

UCI INTERCHANGE RESPONSE segment:						
Function: 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.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	0007	Identification code qualifier	C		an..4	
	0008	Interchange sender internal identification	C		an..35	
	0042	Interchange sender internal sub-identification	C		an..35	
030	S003	INTERCHANGE RECIPIENT	M	1		
	0010	Interchange recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0014	Interchange recipient internal identification	C		an..35	
	0046	Interchange recipient internal sub-identification	C		an..35	
040	0083	ACTION, CODED	M	1	an..3	
050	0085	SYNTAX ERROR, CODED	C	1	an..3	1,2,3,4
060	0135	SERVICE SEGMENT TAG, CODED	C	1	an..3	1,2,3,4,5
070	S011	DATA ELEMENT IDENTIFICATION	C	1		2
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	
080	0534	SECURITY REFERENCE NUMBER	C	1	an..14	3,4,6
090	0138	SECURITY SEGMENT POSITION	C	1	n..6	3,4,6
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.						
OTHER REMARKS:						
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.						

Table 4 — Details of UCM MESSAGE/PACKAGE RESPONSE segment

UCM MESSAGE/PACKAGE RESPONSE segment						
Function: 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.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0062	MESSAGE REFERENCE NUMBER	C	1	an..14	1,2
020	S009	MESSAGE IDENTIFIER	C	1		2
	0065	Message type	M		an..6	
	0052	Message version number	M		an..3	
	0054	Message release number	M		an..3	
	0051	Controlling agency, coded	M		an..3	
	0057	Association assigned code	C		an..6	
	0110	Code list directory version number	C		an..6	
	0113	Message type sub-function identification	C		an..6	
030	0083	ACTION, CODED	M	1	an..3	
040	0085	SYNTAX ERROR, CODED	C	1	an..3	4,5,6,7
050	0135	SERVICE SEGMENT TAG, CODED	C	1	an..3	4,5,6,7,8
060	S011	DATA ELEMENT IDENTIFICATION	C	1		5
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	
070	0800	PACKAGE REFERENCE NUMBER	C	1	an..35	1,3
080	S020	REFERENCE IDENTIFICATION	C	99		3
	0813	Reference qualifier	M		an..3	
	0802	Reference identification number	M		an..35	
090	0534	SECURITY REFERENCE NUMBER	C	1	an..14	6,7,9
100	0138	SECURITY SEGMENT POSITION	C	1	n..6	6,7,9
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.						
OTHER REMARKS:						
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.						

Table 5 — Details of UCS SEGMENT ERROR INDICATION segment

UCS SEGMENT ERROR INDICATION segment						
Function: To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0096	SEGMENT POSITION IN MESSAGE BODY	M	1	n..6	
020	0085	SYNTAX ERROR, CODED	C	1	an..3	1
REMARKS:						
1 0085, shall contain a value only if the error pertains to the segment identified by data element 0096.						

Table 6 — Details of UGH ANTI-COLLISION SEGMENT GROUP HEADER segment

UGH ANTI-COLLISION SEGMENT GROUP HEADER segment						
Function: To head, identify and specify an anti-collision segment group.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0087	ANTI-COLLISION SEGMENT GROUP IDENTIFICATION	M	1	an..4	1
REMARKS:						
1 0087, the value shall be the segment group number of the UGH/UGT segment group as stated in the message specification. It shall be identical to the value in 0087 in the corresponding UGT segment.						

Table 7 — Details of UGT ANTI-COLLISION SEGMENT GROUP TRAILER segment

UGT ANTI-COLLISION SEGMENT GROUP TRAILER segment						
Function: To end and check the completeness of an anti-collision segment group.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0087	ANTI-COLLISION SEGMENT GROUP IDENTIFICATION	M	1	an..4	1
REMARKS:						
1 0087, the value shall be the segment group number of the UGH/UGT segment group as stated in the message specification. It shall be identical to the value in 0087 in the corresponding UGH segment.						

Table 8 — Details of UIB INTERACTIVE INTERCHANGE HEADER segment

UIB INTERACTIVE INTERCHANGE HEADER segment						
Function: To head and identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	S001	SYNTAX IDENTIFIER	M	1		3
	0001	Syntax identifier	M		a4	
	0002	Syntax version number	M		an1	
DEPENDENCY NOTES:						
1 D5(030, 020) If first, then all.						
2 D5(050, 020) If first, then all.						
OTHER REMARKS:						
3 S001/0002, shall be "4" to indicate this version of the syntax.						
4 S302/0304, when provided by the responder, shall be returned by the initiator throughout the dialogue.						
5 S002/0004, may be same as S302/0303 for initiator of transaction.						
6 0325, only used if the interchange is a duplicate transfer.						
7 0035, set by the initiator if the dialogue is a test. Applies to every subsequent message and service segment in the dialogue. Otherwise not used.						
8 Dialogue and transaction control can be accomplished through the dialogue (S302) and transaction (S303) references. Optionally, if another means of control is chosen, these two composite data elements need not be utilized.						

UIB INTERACTIVE INTERCHANGE HEADER segment						
Function: To head and identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	0080	Service code list directory version number	C		an..6	
	0133	Character encoding, coded	C		an..3	
	0076	Syntax release number	C		an2	
020	S302	DIALOGUE REFERENCE	C	1		1,2,4,5,8
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
030	S303	TRANSACTION REFERENCE	C	1		1,8
	0306	Transaction control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
040	S018	SCENARIO IDENTIFICATION	C	1		
	0127	Scenario identification	M		an..14	
	0128	Scenario version number	C		an..3	
	0130	Scenario release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
050	S305	DIALOGUE IDENTIFICATION	C	1	2	
	0311	Dialogue identification	M		an..14	
	0342	Dialogue version number	C		an..3	
	0344	Dialogue release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
060	S002	INTERCHANGE SENDER	C	1	5	
	0004	Interchange sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0008	Interchange sender internal identification	C		an..35	
	0042	Interchange sender internal sub-identification	C		an..35	
070	S003	INTERCHANGE RECIPIENT	C	1		
	0010	Interchange recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0014	Interchange recipient internal identification	C		an..35	
DEPENDENCY NOTES:						
1 D5(030, 020) If first, then all.						
2 D5(050, 020) If first, then all.						
OTHER REMARKS:						
3 S001/0002, shall be "4" to indicate this version of the syntax.						
4 S302/0304, when provided by the responder, shall be returned by the initiator throughout the dialogue.						
5 S002/0004, may be same as S302/0303 for initiator of transaction.						
6 0325, only used if the interchange is a duplicate transfer.						
7 0035, set by the initiator if the dialogue is a test. Applies to every subsequent message and service segment in the dialogue. Otherwise not used.						
8 Dialogue and transaction control can be accomplished through the dialogue (S302) and transaction (S303) references. Optionally, if another means of control is chosen, these two composite data elements need not be utilized.						

UIB INTERACTIVE INTERCHANGE HEADER segment						
Function: To head and identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	0046	Interchange recipient internal sub-identification	C		an..35	
080	S300	DATE AND/OR TIME OF INITIATION	C	1		
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	
	0336	Time offset	C		n4	
090	0325	DUPLICATE INDICATOR	C	1	a1	6
100	0035	TEST INDICATOR	C	1	n1	7
DEPENDENCY NOTES:						
1 D5(030, 020) If first, then all.						
2 D5(050, 020) If first, then all.						
OTHER REMARKS:						
3 S001/0002, shall be "4" to indicate this version of the syntax.						
4 S302/0304, when provided by the responder, shall be returned by the initiator throughout the dialogue.						
5 S002/0004, may be same as S302/0303 for initiator of transaction.						
6 0325, only used if the interchange is a duplicate transfer.						
7 0035, set by the initiator if the dialogue is a test. Applies to every subsequent message and service segment in the dialogue. Otherwise not used.						
8 Dialogue and transaction control can be accomplished through the dialogue (S302) and transaction (S303) references. Optionally, if another means of control is chosen, these two composite data elements need not be utilized.						

Table 9 — Details of UIH INTERACTIVE MESSAGE HEADER segment

UIH INTERACTIVE MESSAGE HEADER segment						
Function: To head, identify and specify a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	S306	INTERACTIVE MESSAGE IDENTIFIER	M	1		
	0065	Message type	M		an..6	
	0052	Message version number	M		an..3	
	0054	Message release number	M		an..3	
	0113	Message type sub-function identification	C		an..6	
	0051	Controlling agency, coded	C		an..3	
	0057	Association assigned code	C		an..6	
020	0340	INTERACTIVE MESSAGE REFERENCE NUMBER	C	1	an..35	1,5
030	S302	DIALOGUE REFERENCE	C	1		2,4,5
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
REMARKS:						
1 The value in 0340 shall be unique within the interchange (except for a duplicate transfer).						
2 The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.						
3 0035, when used, test applies to the message only.						
4 Dialogue control can be accomplished through the dialogue reference (S302). Optionally, if another means of control is chosen, this composite data element need not be utilized.						
5 A combination of 0340 and S302 may be used to identify uniquely a message.						

UIH INTERACTIVE MESSAGE HEADER segment						
Function: To head, identify and specify a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	0304	Responder control reference	C		an..35	
040	S301	STATUS OF TRANSFER - INTERACTIVE	C	1		
	0320	Sender sequence number	C		n..6	
	0323	Transfer position, coded	C		a1	
	0325	Duplicate Indicator	C		a1	
050	S300	DATE AND/OR TIME OF INITIATION	C	1		
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	
	0336	Time offset	C		n4	
060	0035	TEST INDICATOR	C	1	n1	3
REMARKS:						
1 The value in 0340 shall be unique within the interchange (except for a duplicate transfer).						
2 The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.						
3 0035, when used, test applies to the message only.						
4 Dialogue control can be accomplished through the dialogue reference (S302). Optionally, if another means of control is chosen, this composite data element need not be utilized.						
5 A combination of 0340 and S302 may be used to identify uniquely a message.						

Table 10 — Details of UIR INTERACTIVE STATUS segment

UIR INTERACTIVE STATUS segment						
Function: To report the status of the dialogue.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0331	REPORT FUNCTION, CODED	M	1	an..3	
020	S307	STATUS INFORMATION	C	9		
	0333	Status, coded	C		an..3	
	0332	Status	C		an..70	
	0335	Language, coded	C		an..3	
030	S302	DIALOGUE REFERENCE	C	1		
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
GENERAL REMARK:						
To avoid endless loops, the UIR segment is not used to respond to a UIR received with syntax errors.						
DEPENDENCY NOTES:						
1 D1(050, 060) One and only one.						
2 D5(080, 070) If first, then all.						
3 D5(090, 070, 080) If first, then all.						
OTHER REMARKS:						
4 0340, the value shall be identical to the value in 0340 in the UIH of a message received by the sender of the UIR within the same dialogue.						
5 0800, the value shall be identical to the value in 0800 in the UNO received by the sender of the UIR within the same dialogue.						

UIR INTERACTIVE STATUS segment						
Function: To report the status of the dialogue.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
040	S300	DATE AND/OR TIME OF INITIATION	C	1		
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	
	0336	Time offset	C		n4	
050	0340	INTERACTIVE MESSAGE REFERENCE NUMBER	C	1	an..35	1,4
060	0800	PACKAGE REFERENCE NUMBER	C	1	an..35	1,5
070	0085	SYNTAX ERROR, CODED	C	1	an..3	2,3
080	0096	SEGMENT POSITION IN MESSAGE BODY	C	1	n..6	2,3
090	S011	DATA ELEMENT IDENTIFICATION	C	1		3
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	
GENERAL REMARK:						
To avoid endless loops, the UIR segment is not used to respond to a UIR received with syntax errors.						
DEPENDENCY NOTES:						
1 D1(050, 060) One and only one.						
2 D5(080, 070) If first, then all.						
3 D5(090, 070, 080) If first, then all.						
OTHER REMARKS:						
4 0340, the value shall be identical to the value in 0340 in the UIH of a message received by the sender of the UIR within the same dialogue.						
5 0800, the value shall be identical to the value in 0800 in the UNO received by the sender of the UIR within the same dialogue.						

Table 11 — Details of UIT INTERACTIVE MESSAGE TRAILER segment

UIT INTERACTIVE MESSAGE TRAILER segment						
Function: To end and check the completeness of a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0340	INTERACTIVE MESSAGE REFERENCE NUMBER	C	1	an..35	1
020	0074	NUMBER OF SEGMENTS IN A MESSAGE	C	1	n..10	
REMARKS:						
1 0340, the value shall be identical to the value in 0340 in the corresponding UIH segment.						

Table 12 — Details of UIZ INTERACTIVE INTERCHANGE TRAILER segment

UIZ INTERACTIVE INTERCHANGE TRAILER segment						
Function: To end and check the completeness of an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	S302	DIALOGUE REFERENCE	C	1		1
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
REMARKS:						
1 S302, the value shall be identical to the value in the responder's dialogue reference in S302 in the UIB segment.						
2 0325, only used if the interchange is a duplicate transfer.						

UIZ INTERACTIVE INTERCHANGE TRAILER segment						
Function: To end and check the completeness of an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
020	0036	INTERCHANGE CONTROL COUNT	C	1	n..6	
030	0325	DUPLICATE INDICATOR	C	1	a1	2
REMARKS:						
1 S302, the value shall be identical to the value in the responder's dialogue reference in S302 in the UIB segment.						
2 0325, only used if the interchange is a duplicate transfer.						

Table 13 — Details of UNB INTERCHANGE HEADER segment

UNB INTERCHANGE HEADER segment						
Function: To identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	S001	SYNTAX IDENTIFIER	M	1		1
	0001	Syntax identifier	M		a4	
	0002	Syntax version number	M		an1	
	0080	Service code list directory version number	C		an..6	
	0133	Character encoding, coded	C		an..3	
	0076	Syntax release number	C		an2	
020	S002	INTERCHANGE SENDER	M	1		2
	0004	Interchange sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0008	Interchange sender internal identification	C		an..35	
	0042	Interchange sender internal sub-identification	C		an..35	
030	S003	INTERCHANGE RECIPIENT	M	1		2
	0010	Interchange recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0014	Interchange recipient internal identification	C		an..35	
	0046	Interchange recipient internal sub-identification	C		an..35	
040	S004	DATE AND TIME OF PREPARATION	M	1		
	0017	Date	M		n8	
	0019	Time	M		n4	
050	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	2
060	S005	RECIPIENT REFERENCE/PASSWORD DETAILS	C	1		
	0022	Recipient reference/password	M		an..14	
	0025	Recipient reference/password qualifier	C		an2	
070	0026	APPLICATION REFERENCE	C	1	an..14	
080	0029	PROCESSING PRIORITY CODE	C	1	a1	
090	0031	ACKNOWLEDGEMENT REQUEST	C	1	n1	
100	0032	INTERCHANGE AGREEMENT IDENTIFIER	C	1	an..35	
REMARKS:						
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.						

UNB INTERCHANGE HEADER segment						
Function: To identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
110	0035	TEST INDICATOR	C	1	n1	
REMARKS:						
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.						

Table 14 — Details of UNE GROUP TRAILER segment

UNE GROUP TRAILER segment						
Function: To end and check the completeness of a group.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0060	GROUP CONTROL COUNT	M	1	n..6	
020	0048	GROUP REFERENCE NUMBER	M	1	an..14	1
REMARKS:						
¹ 0048, the value shall be identical to the value in 0048 in the corresponding UNG segment.						

Table 15 — Details of UNG GROUP HEADER segment

UNG GROUP HEADER segment							
Function: To head, identify and specify a group of messages and/or packages, which may be used for internal routing and which may contain one or more message types and/or packages.							
Pos		TAG	Name	S	R	Repr.	Notes/Remarks
010	X	0038	MESSAGE GROUP IDENTIFICATION	C	1	an..6	1,2,4
020		S006	APPLICATION SENDER IDENTIFICATION	C	1		5
		0040	Application sender identification	M		an..35	
		0007	Identification code qualifier	C		an..4	
030		S007	APPLICATION RECIPIENT IDENTIFICATION	C	1		5
		0044	Application recipient identification	M		an..35	
		0007	Identification code qualifier	C		an..4	
040		S004	DATE AND TIME OF PREPARATION	C	1		3
		0017	Date	M		n8	
		0019	Time	M		n4	
050		0048	GROUP REFERENCE NUMBER	M	1	an..14	5
060		0051	CONTROLLING AGENCY, CODED	C	1	an..3	1,2,4
DEPENDENCY NOTES:							
1 D2(010, 060, 070) All or none.							
OTHER REMARKS:							
2 This data element is only used if the following conditions apply:							
i) the group contains messages only, and							
ii) the messages are of a single message type.							
3 S004, if S004 is not present in UNG, the date and time of preparation is the same as indicated for the interchange in S004 in UNB.							
4 This data element will be deleted from the UNG segment in the next version of the standard. Therefore, its use in UNG is not recommended.							
5 The combination of the values carried in data elements S006, S007 and 0048 shall be used to identify uniquely the group within its interchange, for the purpose of acknowledgement.							

UNG GROUP HEADER segment							
Function: To head, identify and specify a group of messages and/or packages, which may be used for internal routing and which may contain one or more message types and/or packages.							
Pos		TAG	Name	S	R	Repr.	Notes/Remarks
070	X	S008	MESSAGE VERSION	C	1		1,2,4
		0052	Message version number	M		an..3	
		0054	Message release number	M		an..3	
		0057	Association assigned code	C		an..6	
080		0058	APPLICATION PASSWORD	C	1	an..14	
DEPENDENCY NOTES:							
1 D2(010, 060, 070) All or none.							
OTHER REMARKS:							
2 This data element is only used if the following conditions apply:							
i) the group contains messages only, and							
ii) the messages are of a single message type.							
3 S004, if S004 is not present in UNG, the date and time of preparation is the same as indicated for the interchange in S004 in UNB.							
4 This data element will be deleted from the UNG segment in the next version of the standard. Therefore, its use in UNG is not recommended.							
5 The combination of the values carried in data elements S006, S007 and 0048 shall be used to identify uniquely the group within its interchange, for the purpose of acknowledgement.							

Table 16 — Details of UNH MESSAGE HEADER segment

UNH MESSAGE HEADER segment							
Function: To head, identify and specify a message.							
Pos		TAG	Name	S	R	Repr.	Notes/Remarks
010		0062	MESSAGE REFERENCE NUMBER	M	1	an..14	2
020		S009	MESSAGE IDENTIFIER	M	1		1,2
		0065	Message type	M		an..6	
		0052	Message version number	M		an..3	
		0054	Message release number	M		an..3	
		0051	Controlling agency, coded	M		an..3	
		0057	Association assigned code	C		an..6	
		0110	Code list directory version number	C		an..6	
		0113	Message type sub-function identification	C		an..6	
030		0068	COMMON ACCESS REFERENCE	C	1	an..35	
040		S010	STATUS OF THE TRANSFER	C	1		
		0070	Sequence of transfers	M		n..2	
		0073	First and last transfer	C		a1	
050		S016	MESSAGE SUBSET IDENTIFICATION	C	1		1
		0115	Message subset identification	M		an..14	
		0116	Message subset version number	C		an..3	
		0118	Message subset release number	C		an..3	
REMARKS:							
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.							

UNH MESSAGE HEADER segment						
Function: To head, identify and specify a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	0051	Controlling agency, coded	C		an..3	
060	S017	MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION	C	1		1
	0121	Message implementation guideline identification	M		an..14	
	0122	Message implementation guideline version number	C		an..3	
	0124	Message implementation guideline release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
070	S018	SCENARIO IDENTIFICATION	C	1		
	0127	Scenario identification	M		an..14	
	0128	Scenario version number	C		an..3	
	0130	Scenario release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
REMARKS:						
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.						

Table 17 — Details of UNO OBJECT HEADER segment

UNO OBJECT HEADER segment						
Function: To head, identify and specify an object.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0800	PACKAGE REFERENCE NUMBER	M	1	an..35	1
020	S020	REFERENCE IDENTIFICATION	M	99		2
	0813	Reference qualifier	M		an..3	
	0802	Reference identification number	M		an..35	
030	S021	OBJECT TYPE IDENTIFICATION	M	99		3
	0805	Object type qualifier	M		an..3	
	0809	Object type attribute identification	C		an..256	
	0808	Object type attribute	C		an..256	
	0051	Controlling agency, coded	C		an..3	
040	S022	STATUS OF THE OBJECT	M	1		
	0810	Length of object in octets of bits	M		n..18	
	0814	Number of segments before object	C		n..3	
	0070	Sequence of transfers	C		n..2	
	0073	First and last transfer	C		a1	
050	S302	DIALOGUE REFERENCE	C	1		4
REMARKS:						
¹ The value in 0800 shall be unique within the interchange (except for a duplicate transfer). ² One mandatory occurrence of S020 shall identify the Object Identification Number. ³ One occurrence of S021 is mandatory and shall be used for file format identification. ⁴ Data elements S302, S301, S300 and 0035 are for interactive EDI use only: - The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB. - 0035, when used, test applies to the message or package only.						