

Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) —

Part 10: Syntax service directories

ICS 35.240.60

National foreword

This British Standard reproduces verbatim ISO 9735-10:2002 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee IDT/2/20, Processes, data elements and documents in commerce, industry and administration, which has the responsibility to:

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

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

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) —

Part 10: Syntax service directories

*Échange de données informatisé pour l'administration, le commerce et le
transport (EDIFACT) — Règles de syntaxe au niveau de l'application
(numéro de version de syntaxe: 4, numéro d'édition de syntaxe: 1) —*

Partie 10: Annuaire de syntaxe



Reference number
ISO 9735-10:2002(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this part of ISO 9735 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9735-10 was prepared by Technical Committee ISO/TC 154, *Processes, data elements and documents in commerce, industry and administration* in collaboration with UN/CEFACT through the Joint Syntax Working Group (JSWG).

For maintenance reasons of the Syntax service directories this part was extracted and updated from each of the relevant annex parts of the ISO 9735 series, first edition, published in 1998 and 1999.

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, Syntax release number: 1)*:

- *Part 1: Syntax rules common to all 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)*
- *Part 10: Syntax service directories*

Further parts may be added in the future.

Introduction

This part of ISO 9735 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 part of ISO 9735 may be used in any application, but messages using these rules may only be referred to as EDIFACT messages if they comply with other guidelines, rules and directories in the UNTDID. For UN/EDIFACT, batch messages shall 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 part of ISO 9735.

This is a new part, which has been added to ISO 9735. It consolidates a redraft of corresponding sections in the first edition of the ISO 9735 series published in 1998 and 1999. In addition a 'snapshot' of the syntax service code list directory is amended in order to illustrate the usage of the coded data elements.

Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) —

Part 10: Syntax service directories

1 Scope

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

2 Conformance

Whereas this part shall use a version number of “4” in the mandatory data element 0002 (Syntax version number), and shall use a release number of “01” in the conditional data element 0076 (Syntax release number), each of which appear 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:

- ISO 9735:1988: *Syntax version number: 1*
- ISO 9735:1988 (amended and reprinted in 1990): *Syntax version number: 2*
- ISO 9735:1988 and its Amendment 1:1992: *Syntax version number: 3*
- ISO 9735:1998: *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 which identifies those 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 part of ISO 9735.

Devices supporting this part of ISO 9735 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 parts 1 to 9 of ISO 9735.

When identified in this part of ISO 9735, provisions defined in related standards shall form part of the conformance criteria.

3 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 9735. For dated references, subsequent amendments to, or revisions of, any of these publications

do not apply. However, parties to agreements based on this part of ISO 9735 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 9735-1:2002, *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 9735-2:2002, *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 9735-3:2002, *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 9735-4:2002, *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 9735-5:2002, *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 9735-6:2002, *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 9735-7:2002, *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 9735-8:2002, *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 9735-9:2002, *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)*

4 Terms and definitions

For the purposes of this part of ISO 9735, the terms and definitions given in ISO 9735-1 apply.

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 data-bbox="300 1120 885 1440"> <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 (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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 (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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 (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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

UCD DATA ELEMENT ERROR INDICATION

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
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	

UCF GROUP RESPONSE

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
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	
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 NOTES:

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.

UCI INTERCHANGE RESPONSE

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
010	0020	INTERCHANGE CONTROL REFERENCE	M 1	an..14	
020	S002	INTERCHANGE SENDER	M 1		
	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		
	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 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.

UCM MESSAGE/PACKAGE RESPONSE

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
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 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.

UCS SEGMENT ERROR INDICATION

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
010	0096	SEGMENT POSITION IN MESSAGE BODY	M 1	n..6	
020	0085	SYNTAX ERROR, CODED	C 1	an..3	1

NOTES:

1. 0085, shall contain a value only if the error pertains to the segment identified by data element 0096.

UGH ANTI-COLLISION SEGMENT GROUP HEADER

Function: To head, identify and specify an anti-collision segment group.

Pos	TAG	Name	S	R	Repr.	Notes
010	0087	ANTI-COLLISION SEGMENT GROUP IDENTIFICATION	M	1	an..4	1

NOTES:

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.

UGT ANTI-COLLISION SEGMENT GROUP TRAILER

Function: To end and check the completeness of an anti-collision segment group.

Pos	TAG	Name	S	R	Repr.	Notes
010	0087	ANTI-COLLISION SEGMENT GROUP IDENTIFICATION	M	1	an..4	1

NOTES:

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.

UIB INTERACTIVE INTERCHANGE HEADER

Function: To head and identify an interchange.

Pos	TAG	Name	S	R	Repr.	Notes
010	S001	SYNTAX IDENTIFIER	M	1		3
	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	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	
	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 NOTES:

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 utilised.

UIH INTERACTIVE MESSAGE HEADER

Function: To head, identify and specify a message.

Pos	TAG	Name	S R	Repr.	Notes
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	
	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

NOTES:

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 utilised.
5. A combination of 0340 and S302 may be used to identify uniquely a message.

*| UIR INTERACTIVE STATUS

Function: To report the status of the dialogue.

- + Note: To avoid endless loops, the UIR segment is not used to respond to a UIR received with syntax errors.

Pos	TAG	Name	S R	Repr.	Notes
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	
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	

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 NOTES:

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.

UIT INTERACTIVE MESSAGE TRAILER

Function: To end and check the completeness of a message.

Pos	TAG	Name	S R	Repr.	Notes
010	0340	INTERACTIVE MESSAGE REFERENCE NUMBER	C 1	an..35	1
020	0074	NUMBER OF SEGMENTS IN A MESSAGE	C 1	n..10	

NOTES:

1. 0340, the value shall be identical to the value in 0340 in the corresponding UIH segment.

UIZ INTERACTIVE INTERCHANGE TRAILER

Function: To end and check the completeness of an interchange.

Pos	TAG	Name	S R	Repr.	Notes
010	S302	DIALOGUE REFERENCE	C 1		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	
020	0036	INTERCHANGE CONTROL COUNT	C 1	n..6	
030	0325	DUPLICATE INDICATOR	C 1	a1	2

NOTES:

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.

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

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.

UNE GROUP TRAILER

Function: To end and check the completeness of a group.

Pos	TAG	Name	S R	Repr.	Notes
010	0060	GROUP CONTROL COUNT	M 1	n..6	
020	0048	GROUP REFERENCE NUMBER	M 1	an..14	1

NOTES:

1. 0048, the value shall be identical to the value in 0048 in the corresponding UNG segment.
-

UNG GROUP HEADER

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
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
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 NOTES:

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.

UNH MESSAGE HEADER

Function: To head, identify and specify a message.

Pos	TAG	Name	S	R	Repr.	Notes
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	
	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	

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.
-

UNO OBJECT HEADER

Function: To head, identify and specify an object.

Pos	TAG	Name	S R	Repr.	Notes
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
	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	
060	S301	STATUS OF TRANSFER - INTERACTIVE	C 1		4
	0320	Sender sequence number	C	n..6	
	0323	Transfer position, coded	C	a1	
	0325	Duplicate Indicator	C	a1	
070	S300	DATE AND/OR TIME OF INITIATION	C 1		4
	0338	Event date	C	n..8	
	0314	Event time	C	an..15	
	0336	Time offset	C	n4	
080	0035	TEST INDICATOR	C 1	n1	4

NOTES:

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.

UNP OBJECT TRAILER

Function: To end and check the completeness of an object.

Pos	TAG	Name	S R	Repr.	Notes
010	0810	LENGTH OF OBJECT IN OCTETS OF BITS	M 1	n..18	1
020	0800	PACKAGE REFERENCE NUMBER	M 1	an..35	2

NOTES:

1. 0810, shall be identical to the value in data element 0810 in UNO.
2. 0800, shall be identical to the value in data element 0800 in UNO.

UNS SECTION CONTROL

Function: To separate header, detail and summary sections of a message.

Note: To be used by message designers only when required to avoid ambiguities.

Pos	TAG	Name	S R	Repr.	Notes
010	0081	SECTION IDENTIFICATION	M 1	a1	

UNT MESSAGE TRAILER

Function: To end and check the completeness of a message.

Pos	TAG	Name	S R	Repr.	Notes
010	0074	NUMBER OF SEGMENTS IN A MESSAGE	M 1	n..10	
020	0062	MESSAGE REFERENCE NUMBER	M 1	an..14	1

NOTES:

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

UNZ INTERCHANGE TRAILER

Function: To end and check the completeness of an interchange.

Pos	TAG	Name	S R	Repr.	Notes
010	0036	INTERCHANGE CONTROL COUNT	M 1	n..6	
020	0020	INTERCHANGE CONTROL REFERENCE	M 1	an..14	1

NOTES:

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

USA SECURITY ALGORITHM

Function: To identify a security algorithm, the technical usage made of it, and to contain the technical parameters required.

Pos	TAG	Name	S R	Repr.	Notes
010	S502	SECURITY ALGORITHM	M 1		
	0523	Use of algorithm, coded	M	an..3	
	0525	Cryptographic mode of operation, coded	C	an..3	
	0533	Mode of operation code list identifier	C	an..3	
	0527	Algorithm, coded	C	an..3	
	0529	Algorithm code list identifier	C	an..3	

	0591	Padding mechanism, coded	C	an..3	
	0601	Padding mechanism code list identifier	C	an..3	
020	S503	ALGORITHM PARAMETER	C 9		1
	0531	Algorithm parameter qualifier	M	an..3	
	0554	Algorithm parameter value	M	an..512	

NOTES:

1. S503, provides space for one parameter. The number of repetitions of S503 actually used will depend on the algorithm used. The order of the parameters is arbitrary but, in each case, the actual value is preceded by a coded algorithm parameter qualifier.

USB SECURED DATA IDENTIFICATION

Function: To contain details related to the AUTACK.

Pos	TAG	Name	S R	Repr.	Notes
010	0503	RESPONSE TYPE, CODED	M 1	an..3	
020	S501	SECURITY DATE AND TIME	C 1		
	0517	Date and time qualifier	M	an..3	
	0338	Event date	C	n..8	
	0314	Event time	C	an..15	
	0336	Time offset	C	n4	
030	S002	INTERCHANGE SENDER	M 1		
	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	
040	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	

USC CERTIFICATE

Function: To convey the public key and the credentials of its owner.

Pos	TAG	Name	S R	Repr.	Notes
010	0536	CERTIFICATE REFERENCE	C 1	an..35	2
020	S500	SECURITY IDENTIFICATION DETAILS	C 2		3
	0577	Security party qualifier	M	an..3	
	0538	Key name	C	an..35	
	0511	Security party identification	C	an..1024	
	0513	Security party code list qualifier	C	an..3	
	0515	Security party code list responsible agency, coded	C	an..3	
	0586	Security party name	C	an..35	
	0586	Security party name	C	an..35	

	0586	Security party name	C	an..35	
030	0545	CERTIFICATE SYNTAX AND VERSION, CODED	C 1	an..3	2
040	0505	FILTER FUNCTION, CODED	C 1	an..3	
050	0507	ORIGINAL CHARACTER SET ENCODING, CODED	C 1	an..3	4
060	0543	CERTIFICATE ORIGINAL CHARACTER SET REPertoire, CODED	C 1	an..3	5
070	0546	USER AUTHORISATION LEVEL	C 1	an..35	
080	S505	SERVICE CHARACTER FOR SIGNATURE	C 5		6
	0551	Service character for signature qualifier	M	an..3	
	0548	Service character for signature	M	an..4	
090	S501	SECURITY DATE AND TIME	C 4		7
	0517	Date and time qualifier	M	an..3	
	0338	Event date	C	n..8	
	0314	Event time	C	an..15	
	0336	Time offset	C	n4	
100	0567	SECURITY STATUS, CODED	C 1	an..3	1
110	0569	REVOCATION REASON, CODED	C 1	an..3	1

DEPENDENCY NOTES:

1. D5(110, 100) If first, then all

OTHER NOTES:

2. 0536, if a full certificate (including the USR segment) is not used, the only data elements of the certificate shall be a unique certificate reference made of: the certificate reference (0536), the S500 identifying the issuer certification authority or the S500 identifying the certificate owner, including its public key name. In the case of a non-EDIFACT certificate data element 0545 shall also be present.
3. S500/0538, identifies a public key: either of the owner of this certificate, or the public key related to the private key used by the certificate issuer (certification authority or CA) to sign this certificate.
4. 0507, the original character set encoding of the certificate when it was signed. If no value is specified, the character set encoding corresponds to that identified by the character set repertoire standard.
5. 0543, the original character set repertoire of the certificate when it was signed. If no value is specified, the default is defined in the interchange header.
6. S505, when this certificate is transferred, it will use the default service characters defined in part 1 of ISO 9735, or those defined in the service string advice, if used. This data element may specify the service characters used when the certificate was signed. If this data element is not used then they are the default service characters.
7. S501, dates and times involved in the certification process. Four occurrences of this composite data element are possible: one for the certificate generation date and time, one for the certificate start of validity period, one for the certificate end of validity period, one for revocation date and time.

USD DATA ENCRYPTION HEADER

Function: To specify size (i.e. length of data in octets of bits) of encrypted data following the segment terminator of this segment.

Pos	TAG	Name	S	R	Repr.	Notes
010	0556	LENGTH OF DATA IN OCTETS OF BITS	M	1	n..18	
020	0518	ENCRYPTION REFERENCE NUMBER	C	1	an..35	
030	0582	NUMBER OF PADDING BYTES	C	1	n..2	

USE SECURITY MESSAGE RELATION

Function: To specify the relation to earlier security messages, such as response to a particular request, or request for a particular answer.

Pos	TAG	Name	S	R	Repr.	Notes
010	0565	MESSAGE RELATION, CODED	M	1	an..3	

USF KEY MANAGEMENT FUNCTION

Function: To specify the type of key management function and the status of a corresponding key or certificate.

Pos	TAG	Name	S	R	Repr.	Notes
010	0579	KEY MANAGEMENT FUNCTION QUALIFIER	C	1	an..3	
020	S504	LIST PARAMETER	C	1		
	0575	List parameter qualifier	M		an..3	
	0558	List parameter	M		an..70	
030	0567	SECURITY STATUS, CODED	C	1	an..3	
040	0572	CERTIFICATE SEQUENCE NUMBER	C	1	n..4	
050	0505	FILTER FUNCTION, CODED	C	1	an..3	

USH SECURITY HEADER

Function: To specify a security mechanism applied to a EDIFACT structure (i.e.: either message/package, group or interchange).

Pos	TAG	Name	S	R	Repr.	Notes
010	0501	SECURITY SERVICE, CODED	M	1	an..3	
020	0534	SECURITY REFERENCE NUMBER	M	1	an..14	
030	0541	SCOPE OF SECURITY APPLICATION, CODED	C	1	an..3	1
040	0503	RESPONSE TYPE, CODED	C	1	an..3	
050	0505	FILTER FUNCTION, CODED	C	1	an..3	
060	0507	ORIGINAL CHARACTER SET ENCODING, CODED	C	1	an..3	2

070	0509	ROLE OF SECURITY PROVIDER, CODED	C 1	an..3	
080	S500	SECURITY IDENTIFICATION DETAILS	C 2		3,4
	0577	Security party qualifier	M	an..3	
	0538	Key name	C	an..35	
	0511	Security party identification	C	an..1024	
	0513	Security party code list qualifier	C	an..3	
	0515	Security party code list responsible agency, coded	C	an..3	
	0586	Security party name	C	an..35	
	0586	Security party name	C	an..35	
	0586	Security party name	C	an..35	
090	0520	SECURITY SEQUENCE NUMBER	C 1	an..35	
100	S501	SECURITY DATE AND TIME	C 1		5
	0517	Date and time qualifier	M	an..3	
	0338	Event date	C	n..8	
	0314	Event time	C	an..15	
	0336	Time offset	C	n4	

NOTES:

- 0541, if not present the default scope is the current security header segment group and the message body or object itself.
- 0507, the original character set encoding of the EDIFACT structure when it was secured. If no value is specified, the character set encoding corresponds to that identified by the syntax identifier character repertoire in the UNB segment.
- S500, two occurrences are possible: one for the security originator, one for the security recipient.
- S500/0538, may be used to establish the key relationship between the sending and receiving parties.
- S501, may be used as a security timestamp. It is security related and may differ from any dates and times that may appear elsewhere in the EDIFACT structure. It may be used to provide sequence integrity.

USL SECURITY LIST STATUS

Function: To specify the status of security objects, such as keys or certificates to be delivered in a list, and the corresponding list parameters.

Pos	TAG	Name	S R	Repr.	Notes
010	0567	SECURITY STATUS, CODED	M 1	an..3	
020	S504	LIST PARAMETER	C 9		
	0575	List parameter qualifier	M	an..3	
	0558	List parameter	M	an..70	

USR SECURITY RESULT

Function: To contain the result of the security mechanisms.

Pos	TAG	Name	S R	Repr.	Notes
010	S508	VALIDATION RESULT	M 2		1

0563	Validation value qualifier	M	an..3
0560	Validation value	C	an..1024

NOTES:

1. S508, two occurrences shall be used in the case of signature algorithms requiring two parameters to express the result.
In the case of an RSA signature, only one occurrence of S508 shall be used.

In the case of a DSA signature two occurrences of S508 shall be used.

UST SECURITY TRAILER

Function: To establish a link between security header and security trailer segment groups.

Pos	TAG	Name	S R	Repr.	Notes
010	0534	SECURITY REFERENCE NUMBER	M 1	an..14	1
020	0588	NUMBER OF SECURITY SEGMENTS	M 1	n..10	

NOTES:

1. 0534, the value shall be identical to the value in 0534 in the corresponding USH segment.

USU DATA ENCRYPTION TRAILER

Function: To provide a trailer for the encrypted data.

Pos	TAG	Name	S R	Repr.	Notes
010	0556	LENGTH OF DATA IN OCTETS OF BITS	M 1	n..18	1
020	0518	ENCRYPTION REFERENCE NUMBER	C 1	an..35	2

NOTES:

1. 0556, the value shall be identical to the value in 0556 in the corresponding USD segment.
2. 0518, the value shall be identical to the value in 0518 in the corresponding USD segment.

USX SECURITY REFERENCES

Function: To refer to the secured EDIFACT structure and its associated date and time.

Pos	TAG	Name	S R	Repr.	Notes
010	0020	INTERCHANGE CONTROL REFERENCE	M 1	an..14	
020	S002	INTERCHANGE SENDER	C 1		
	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	C 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	0048	GROUP REFERENCE NUMBER	C 1	an..14	1,3
050	S006	APPLICATION SENDER IDENTIFICATION	C 1		1
	0040	Application sender identification	M	an..35	
	0007	Identification code qualifier	C	an..4	
060	S007	APPLICATION RECIPIENT IDENTIFICATION	C 1		3
	0044	Application recipient identification	M	an..35	
	0007	Identification code qualifier	C	an..4	
070	0062	MESSAGE REFERENCE NUMBER	C 1	an..14	2,4
080	S009	MESSAGE IDENTIFIER	C 1		4
	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	
090	0800	PACKAGE REFERENCE NUMBER	C 1	an..35	2
100	S501	SECURITY DATE AND TIME	C 1		
	0517	Date and time qualifier	M	an..3	
	0338	Event date	C	n..8	
	0314	Event time	C	an..15	
	0336	Time offset	C	n4	

DEPENDENCY NOTES:

1. D5(050, 040) If first, then all
2. D1(070, 090) One and only one
3. D5(060, 040) If first, then all
4. D5(080, 070) If first, then all

 USY SECURITY ON REFERENCES

Function: To identify the applicable header, and to contain the security result and/or to indicate the possible cause of security rejection for the referred value.

Pos	TAG	Name	S R	Repr.	Notes
010	0534	SECURITY REFERENCE NUMBER	M 1	an..14	
020	S508	VALIDATION RESULT	C 2		1
	0563	Validation value qualifier	M	an..3	
	0560	Validation value	C	an..1024	
030	0571	SECURITY ERROR, CODED	C 1	an..3	1

DEPENDENCY NOTES:

1. D3(020, 030) One or more

5.2 Service composite data element directory**5.2.1 Service composite data element specification legend:**

POS	The sequential position number of the component data element in the composite data element																		
TAG	The tags of all service composite data elements contained in the composite data element directory start with the letter "S", and the tags of all service simple data elements start with the figure "0".																		
Name	Name of a component data element in small letters																		
S	The status of the component data element in the composite data element (where M = Mandatory and C = Conditional)																		
Repr.	Data value representation of the component data elements in the composite: <table data-bbox="300 869 885 1176"> <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																		
Desc.	Description of the composite data element																		

5.2.2 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 clause 11.5 in ISO 9735-1:2001 for the definition of the dependency note identifiers.

5.2.3 Index of service composite data elements by tag

Change indicators (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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
* S001	Syntax identifier
S002	Interchange sender
S003	Interchange recipient
S004	Date and time of preparation
S005	Recipient reference/password details
S006	Application sender identification
S007	Application recipient identification
X S008	Message version
S009	Message identifier
S010	Status of the transfer
S011	Data element identification
S016	Message subset identification
S017	Message implementation guideline identification
S018	Scenario identification
S020	Reference identification
S021	Object type identification
S022	Status of the object
S300	Date and/or time of initiation
S301	Status of transfer - interactive
S302	Dialogue reference
S303	Transaction reference
S305	Dialogue identification
S306	Interactive message identifier
# S307	Status information
S500	Security identification details
S501	Security date and time
S502	Security algorithm
S503	Algorithm parameter
S504	List parameter
S505	Service character for signature
S508	Validation result

5.2.4 Index of service composite data elements by name

Change indicators (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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
S503	Algorithm parameter
S007	Application recipient identification
S006	Application sender identification
S011	Data element identification
S004	Date and time of preparation
S300	Date and/or time of initiation
S305	Dialogue identification
S302	Dialogue reference

S306	Interactive message identifier
S003	Interchange recipient
S002	Interchange sender
S504	List parameter
S009	Message identifier
S017	Message implementation guideline identification
S016	Message subset identification
X	S008 Message version
	S021 Object type identification
	S005 Recipient reference/password details
	S020 Reference identification
	S018 Scenario identification
	S502 Security algorithm
	S501 Security date and time
	S500 Security identification details
	S505 Service character for signature
#	S307 Status information
	S022 Status of the object
	S010 Status of the transfer
	S301 Status of transfer - interactive
*	S001 Syntax identifier
S303	Transaction reference
S508	Validation result

5.2.5 Service composite data element specifications

Change indicators (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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

* S001 SYNTAX IDENTIFIER

Desc: Identification of the agency controlling the syntax, the syntax level and version number, and the service code directory.

POS	TAG	Name	S Repr.	Notes
010	0001	Syntax identifier	M a4	
020	0002	Syntax version number	M an1	
030	0080	Service code list directory version number	C an..6	
040	0133	Character encoding, coded	C an..3	
050 +	0076	Syntax release number	C an2	

S002 INTERCHANGE SENDER

Desc: Identification of the sender of the interchange.

POS	TAG	Name	S Repr.	Notes
010	0004	Interchange sender identification	M an..35	
020	0007	Identification code qualifier	C an..4	
030	0008	Interchange sender internal identification	C an..35	

040 0042 Interchange sender internal
sub-identification C an..35

S003 INTERCHANGE RECIPIENT

Desc: Identification of the recipient of the interchange.

POS	TAG	Name	S Repr.	Notes
010	0010	Interchange recipient identification	M an..35	
020	0007	Identification code qualifier	C an..4	
030	0014	Interchange recipient internal identification	C an..35	
040	0046	Interchange recipient internal sub-identification	C an..35	

S004 DATE AND TIME OF PREPARATION

Desc: Date and time of preparation of the interchange.

POS	TAG	Name	S Repr.	Notes
010	0017	Date	M n8	
020	0019	Time	M n4	

S005 RECIPIENT REFERENCE/PASSWORD DETAILS

Desc: Reference or password as agreed between the communicating partners.

POS	TAG	Name	S Repr.	Notes
010	0022	Recipient reference/password	M an..14	
020	0025	Recipient reference/password qualifier	C an2	

S006 APPLICATION SENDER IDENTIFICATION

Desc: Sender identification of for example a division, branch or application computer system/process.

POS	TAG	Name	S Repr.	Notes
010	0040	Application sender identification	M an..35	
020	0007	Identification code qualifier	C an..4	

S007 APPLICATION RECIPIENT IDENTIFICATION

Desc: Recipient identification of for example a division, branch or application computer system/process.

POS	TAG	Name	S Repr.	Notes
010	0044	Application recipient identification	M an..35	
020	0007	Identification code qualifier	C an..4	

X S008 MESSAGE VERSION