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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)**

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

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



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ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://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](http://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](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://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), 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](http://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:
	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

<b>Tag</b>	<b>Name</b>
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.						

Table 2 (continued)

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		
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 3 (continued)

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
	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 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.						

Table 8 (continued)

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	
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 8 (continued)**

UIB INTERACTIVE INTERCHANGE HEADER segment						
Function: To head and identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	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 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	
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 9 (continued)

UIH INTERACTIVE MESSAGE HEADER segment						
Function: To head, identify and specify a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	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
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	
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 10 (continued)

UIR INTERACTIVE STATUS segment						
Function: To report the status of the dialogue.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	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	
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	
	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	
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 13 (continued)

UNB INTERCHANGE HEADER segment						
Function: To identify an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
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	
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	
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 15 (continued)

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
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 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		
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 16 (continued)

UNH MESSAGE HEADER segment						
Function: To head, identify and specify a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	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	
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	
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.						

Table 17 (continued)

UNO OBJECT HEADER segment						
Function: To head, identify and specify an object.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	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
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.						

Table 18 — Details of UNP OBJECT TRAILER segment

UNP OBJECT TRAILER segment						
Function: To end and check the completeness of an object.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0810	LENGTH OF OBJECT IN OCTETS OF BITS	M	1	n..18	1
020	0800	PACKAGE REFERENCE NUMBER	M	1	an..35	2
REMARKS:						
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.						

**Table 19 — Details of UNS SECTION CONTROL segment**

UNS SECTION CONTROL segment						
Function: To separate header, detail and summary sections of a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0081	SECTION IDENTIFICATION	M	1	a1	
REMARKS:						
Segment to be used by message designers only when required to avoid ambiguities.						

**Table 20 — Details of UNT MESSAGE TRAILER**

UNT MESSAGE TRAILER						
Function: To end and check the completeness of a message.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0074	NUMBER OF SEGMENTS IN A MESSAGE	M	1	n..10	
020	0062	MESSAGE REFERENCE NUMBER	M	1	an..14	1
REMARKS:						
1 0062, the value shall be identical to the value in 0062 in the corresponding UNH segment.						

**Table 21 — Details of UNZ INTERCHANGE TRAILER segment**

UNZ INTERCHANGE TRAILER segment						
Function: To end and check the completeness of an interchange.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0036	INTERCHANGE CONTROL COUNT	M	1	n..6	
020	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	1
REMARKS:						
1 0020, the value shall be identical to the value in 0020 in the corresponding UNB segment.						

**Table 22 — Details of USA SECURITY ALGORITHM segment**

USA SECURITY ALGORITHM segment						
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/Remarks
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	
REMARKS:						
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.						

**Table 23 — Details of USB SECURED DATA IDENTIFICATION segment**

USB SECURED DATA IDENTIFICATION segment						
Function: To contain details related to the AUTACK.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
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	

**Table 24 — Details of USC CERTIFICATE segment**

USC CERTIFICATE segment						
Function: To convey the public key and the credentials of its owner.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0536	CERTIFICATE REFERENCE	C	1	an..70	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	
DEPENDENCY NOTES:						
1 D5(110, 100) If first, then all.						
OTHER REMARKS:						
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 ISO 9735-1, 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.						

Table 24 (continued)

USC CERTIFICATE segment						
Function: To convey the public key and the credentials of its owner.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
	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 AUTHORIZATION 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 REMARKS:						
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 ISO 9735-1, 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.						

**Table 25 — Details of USD DATA ENCRYPTION HEADER segment**

USD DATA ENCRYPTION HEADER segment						
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/Remarks
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	

**Table 26 — Details of USE SECURITY MESSAGE RELATION segment**

USE SECURITY MESSAGE RELATION segment						
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/Remarks
010	0565	MESSAGE RELATION, CODED	M	1	an..3	

**Table 27 — Details of USF KEY MANAGEMENT FUNCTION segment**

USF KEY MANAGEMENT FUNCTION segment						
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/Remarks
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	

**Table 28 — Details of USH SECURITY HEADER segment**

USH SECURITY HEADER segment						
Function: To specify a security mechanism applied to an EDIFACT structure (i.e. either message/package, group or interchange).						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
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	
REMARKS:						
1 0541, if not present the default scope is the current security header segment group and the message body or object itself.						
2 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.						
3 S500, two occurrences are possible: one for the security originator, one for the security recipient.						
4 S500/0538, may be used to establish the key relationship between the sending and receiving parties.						
5 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.						

Table 28 (continued)

USH SECURITY HEADER segment						
Function: To specify a security mechanism applied to an EDIFACT structure (i.e. either message/package, group or interchange).						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
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	
REMARKS:						
1 0541, if not present the default scope is the current security header segment group and the message body or object itself.						
2 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.						
3 S500, two occurrences are possible: one for the security originator, one for the security recipient.						
4 S500/0538, may be used to establish the key relationship between the sending and receiving parties.						
5 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.						

Table 29 — Details of USL SECURITY LIST STATUS segment

USL SECURITY LIST STATUS segment						
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/Remarks
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	

**Table 30 — Details of USR SECURITY RESULT segment**

USR SECURITY RESULT segment						
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	
REMARKS:						
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.						

**Table 31 — Details of UST SECURITY TRAILER segment**

UST SECURITY TRAILER segment						
Function: To establish a link between security header and security trailer segment groups.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0534	SECURITY REFERENCE NUMBER	M	1	an..14	1
020	0588	NUMBER OF SECURITY SEGMENTS	M	1	n..10	
REMARKS:						
1 0534, the value shall be identical to the value in 0534 in the corresponding USH segment.						

**Table 32 — Details of USU DATA ENCRYPTION TRAILER segment**

USU DATA ENCRYPTION TRAILER segment						
Function: To provide a trailer for the encrypted data.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
010	0556	LENGTH OF DATA IN OCTETS OF BITS	M	1	n..18	1
020	0518	ENCRYPTION REFERENCE NUMBER	C	1	an..35	2
REMARKS:						
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.						

**Table 33 — Details of USX SECURITY REFERENCES segment**

USX SECURITY REFERENCES segment						
Function: To refer to the secured EDIFACT structure and its associated date and time.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
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	
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.						

Table 33 (continued)

USX SECURITY REFERENCES segment						
Function: To refer to the secured EDIFACT structure and its associated date and time.						
Pos	TAG	Name	S	R	Repr.	Notes/Remarks
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.						

Table 34 — Details of USY SECURITY ON REFERENCES segment

USY SECURITY ON REFERENCES segment						
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/Remarks
010	0534	SECURITY REFERENCE NUMBER	M	1	an..14	
020	S508	VALIDATION RESULT	C	2		1
DEPENDENCY NOTES:						
1 D3(020, 030) One or more.						

Table 34 (continued)

USY SECURITY ON REFERENCES segment						
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/Remarks
	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: <ul style="list-style-type: none"> <li>a alphabetic characters</li> <li>n numeric characters</li> <li>an alphanumeric characters</li> <li>a3 3 alphabetic characters, fixed length</li> <li>n3 3 numeric characters, fixed length</li> <li>an3 3 alphanumeric characters, fixed length</li> <li>a..3 up to 3 alphabetic characters</li> <li>n..3 up to 3 numeric characters</li> <li>an..3 up to 3 alphanumeric characters</li> </ul>
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

Code	Name
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.

### 5.2.3 Index of service composite data elements 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
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
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

<b>Tag</b>	<b>Name</b>
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 (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

<b>Tag</b>	<b>Name</b>
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
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

Tag	Name
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 (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 composite data elements are specified in [Table 35](#) to [Table 63](#).

**Table 35 — S001 SYNTAX IDENTIFIER**

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/Remarks
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	

**Table 36 — S002 INTERCHANGE SENDER**

S002 INTERCHANGE SENDER					
Desc.: Identification of the sender of the interchange.					
POS	TAG	Name	S	Repr.	Notes/Remarks
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	

**Table 37 — S003 INTERCHANGE RECIPIENT**

S003 INTERCHANGE RECIPIENT					
Desc.: Identification of the recipient of the interchange.					
POS	TAG	Name	S	Repr.	Notes/Remarks
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	

**Table 38 — S004 DATE AND TIME OF PREPARATION**

S004 DATE AND TIME OF PREPARATION					
Desc.: Date and time of preparation of the interchange.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0017	Date	M	n8	
020	0019	Time	M	n4	

**Table 39 — S005 RECIPIENT REFERENCE/PASSWORD DETAILS**

S005 RECIPIENT REFERENCE/PASSWORD DETAILS					
Desc.: Reference or password as agreed between the communicating partners.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0022	Recipient reference/password	M	an..14	
020	0025	Recipient reference/password qualifier	C	an2	

**Table 40 — S006 APPLICATION SENDER IDENTIFICATION**

S006 APPLICATION SENDER IDENTIFICATION					
Desc.: Sender identification of for example a division, branch or application computer system/process.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0040	Application sender identification	M	an..35	
020	0007	Identification code qualifier	C	an..4	

**Table 41 — S007 APPLICATION RECIPIENT IDENTIFICATION**

S007 APPLICATION RECIPIENT IDENTIFICATION					
Desc.: Recipient identification of for example a division, branch or application computer system/process.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0044	Application recipient identification	M	an..35	
020	0007	Identification code qualifier	C	an..4	

**Table 42 — S009 MESSAGE IDENTIFIER**

S009 MESSAGE IDENTIFIER					
Desc.: Identification of the type, version, etc. of the message being interchanged.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0065	Message type	M	an..6	
020	0052	Message version number	M	an..3	
030	0054	Message release number	M	an..3	
040	0051	Controlling agency, coded	M	an..3	

**Table 42 (continued)**

S009 MESSAGE IDENTIFIER					
Desc.: Identification of the type, version, etc. of the message being interchanged.					
POS	TAG	Name	S	Repr.	Notes/Remarks
050	0057	Association assigned code	C	an..6	
060	0110	Code list directory version number	C	an..6	
070	0113	Message type sub-function identification	C	an..6	

**Table 43 — S010 STATUS OF THE TRANSFER**

S010 STATUS OF THE TRANSFER					
Desc.: Statement that the message is one in a sequence of transfers relating to the same topic.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0070	Sequence of transfers	M	n..2	
020	0073	First and last transfer	C	a1	

**Table 44 — S011 DATA ELEMENT IDENTIFICATION**

S011 DATA ELEMENT IDENTIFICATION					
Desc.: Identification of the position for an erroneous data element. This can be the position of a stand-alone or composite data element in the definition of a segment or a component data element in the definition of a composite data element.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0098	Erroneous data element position in segment	M	n..3	
020	0104	Erroneous component data element position	C	n..3	1,2
030	0136	Erroneous data element occurrence	C	n..6	1,3
DEPENDENCY NOTES: 1 D4(020, 030) One or none.					
OTHER REMARKS: 2 0104, only used if an error is to be reported in a component data element. 3 0136, only used if an error is to be reported in a repeating data element.					

**Table 45 — S016 MESSAGE SUBSET IDENTIFICATION**

S016 MESSAGE SUBSET IDENTIFICATION					
Desc.: Identification of a message subset by its identifier, version, release and source.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0115	Message subset identification	M	an..14	
020	0116	Message subset version number	C	an..3	
030	0118	Message subset release number	C	an..3	
040	0051	Controlling agency, coded	C	an..3	

**Table 46 — S017 MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION**

S017 MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION					
Desc.: Identification of a message implementation guideline by its identifier, version, release and source.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0121	Message implementation guideline identification	M	an..14	
020	0122	Message implementation guideline version number	C	an..3	

Table 46 (continued)

S017 MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION					
Desc.: Identification of a message implementation guideline by its identifier, version, release and source.					
POS	TAG	Name	S	Repr.	Notes/Remarks
030	0124	Message implementation guideline release number	C	an..3	
040	0051	Controlling agency, coded	C	an..3	

Table 47 — S018 SCENARIO IDENTIFICATION

S018 SCENARIO IDENTIFICATION					
Desc.: Identification of a scenario.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0127	Scenario identification	M	an..14	
020	0128	Scenario version number	C	an..3	
030	0130	Scenario release number	C	an..3	
040	0051	Controlling agency, coded	C	an..3	

Table 48 — S020 REFERENCE IDENTIFICATION

S020 REFERENCE IDENTIFICATION					
Desc.: Identification of the reference relating to the object.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0813	Reference qualifier	M	an..3	
020	0802	Reference identification number	M	an..35	

Table 49 — S021 OBJECT TYPE IDENTIFICATION

S021 OBJECT TYPE IDENTIFICATION					
Desc.: Identification of the attribute related to the object type.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0805	Object type qualifier	M	an..3	
020	0809	Object type attribute identification	C	an..256	1
030	0808	Object type attribute	C	an..256	1
040	0051	Controlling agency, coded	C	an..3	
DEPENDENCY NOTES:					
1 D3(020, 030) One or more.					

Table 50 — S022 STATUS OF THE OBJECT

S022 STATUS OF THE OBJECT					
Desc.: Identification of the length and if required the transfer status of the object.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0810	Length of object in octets of bits	M	n..18	
020	0814	Number of segments before object	C	n..3	
030	0070	Sequence of transfers	C	n..2	
040	0073	First and last transfer	C	a1	

**Table 51 — S300 DATE AND/OR TIME OF INITIATION**

S300 DATE AND/OR TIME OF INITIATION					
Desc.: Date and/or time of event initiation.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0338	Event date	C	n..8	
020	0314	Event time	C	an..15	1
030	0336	Time offset	C	n4	1
DEPENDENCY NOTES:					
1 D5(030, 020) If first, then all.					

**Table 52 — S301 STATUS OF TRANSFER - INTERACTIVE**

S301 STATUS OF TRANSFER - INTERACTIVE					
Desc.: Identifies the sequence of the message/package within the sender's interchange and the position in a multi-message and/or package transfer.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0320	Sender sequence number	C	n..6	1
020	0323	Transfer position, coded	C	a1	2
030	0325	Duplicate Indicator	C	a1	3
REMARKS:					
1 0320, starts at 1 and is incremented by 1 for each message and package within the interchange.					
2 0323, only used where more than one message or package is contained in a single query or response.					
3 0325, only used if a duplicate transfer.					

**Table 53 — S302 DIALOGUE REFERENCE**

S302 DIALOGUE REFERENCE					
Desc.: Unique reference for the dialogue between co-operating parties within the interactive EDI transaction.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0300	Initiator control reference	M	an..35	
020	0303	Initiator reference identification	C	an..35	1
030	0051	Controlling agency, coded	C	an..3	1
040	0304	Responder control reference	C	an..35	
DEPENDENCY NOTES:					
1 D5(030, 020) If first, then all.					

**Table 54 — S303 TRANSACTION REFERENCE**

S303 TRANSACTION REFERENCE					
Desc.: Unique reference for the business transaction to which the dialogue belongs.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0306	Transaction control reference	M	an..35	
020	0303	Initiator reference identification	C	an..35	1
030	0051	Controlling agency, coded	C	an..3	1
DEPENDENCY NOTES:					
1 D5(030, 020) If first, then all.					

**Table 55 — S305 DIALOGUE IDENTIFICATION**

S305 DIALOGUE IDENTIFICATION					
Desc.: Identification of the dialogue type being used for the interactive EDI transaction.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0311	Dialogue identification	M	an..14	
020	0342	Dialogue version number	C	an..3	
030	0344	Dialogue release number	C	an..3	
040	0051	Controlling agency, coded	C	an..3	

**Table 56 — S306 INTERACTIVE MESSAGE IDENTIFIER**

S306 INTERACTIVE MESSAGE IDENTIFIER					
Desc.: Identification of the type, version and details of the message being interchanged.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0065	Message type	M	an..6	
020	0052	Message version number	M	an..3	
030	0054	Message release number	M	an..3	
040	0113	Message type sub-function identification	C	an..6	
050	0051	Controlling agency, coded	C	an..3	
060	0057	Association assigned code	C	an..6	

**Table 57 — S307 STATUS INFORMATION**

S307 STATUS INFORMATION					
Desc.: Reason for status or error report.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0333	Status, coded	C	an..3	
020	0332	Status	C	an..70	1,2
030	0335	Language, coded	C	an..3	1
DEPENDENCY NOTES:					
1 D5(030, 020) If first, then all.					
OTHER REMARKS:					
2 0332, defaults to English in the absence of a value in 0335.					

**Table 58 — S500 SECURITY IDENTIFICATION DETAILS**

S500 SECURITY IDENTIFICATION DETAILS					
Desc.: Identification of parties involved in the security process.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0577	Security party qualifier	M	an..3	
020	0538	Key name	C	an..35	
030	0511	Security party identification	C	an..1024	1
040	0513	Security party code list qualifier	C	an..3	1
050	0515	Security party code list responsible agency, coded	C	an..3	1
060	0586	Security party name	C	an..35	
070	0586	Security party name	C	an..35	
DEPENDENCY NOTES:					
1 D2(030, 040, 050) All or none.					

Table 58 (continued)

S500 SECURITY IDENTIFICATION DETAILS					
Desc.: Identification of parties involved in the security process.					
POS	TAG	Name	S	Repr.	Notes/Remarks
080	0586	Security party name	C	an..35	
DEPENDENCY NOTES:					
1 D2(030, 040, 050) All or none.					

Table 59 — S501 SECURITY DATE AND TIME

S501 SECURITY DATE AND TIME					
Desc.: Security related date and time.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0517	Date and time qualifier	M	an..3	
020	0338	Event date	C	n..8	
030	0314	Event time	C	an..15	
040	0336	Time offset	C	n4	

Table 60 — S502 SECURITY ALGORITHM

S502 SECURITY ALGORITHM					
Desc.: Identification of a security algorithm.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0523	Use of algorithm, coded	M	an..3	
020	0525	Cryptographic mode of operation, coded	C	an..3	1,3,6
030	0533	Mode of operation code list identifier	C	an..3	1
040	0527	Algorithm, coded	C	an..3	2,3,5
050	0529	Algorithm code list identifier	C	an..3	2
060	0591	Padding mechanism, coded	C	an..3	4,5
070	0601	Padding mechanism code list identifier	C	an..3	4
DEPENDENCY NOTES:					
1 D5(030, 020) If first, then all.					
2 D5(050, 040) If first, then all.					
3 D5(020, 040) If first, then all.					
4 D5(070, 060) If first, then all.					
5 D5(060, 040) If first, then all.					
OTHER REMARKS:					
6 0525, a mode of operation shall be chosen in relation to the chosen algorithm (data element 0527). Some combinations of mode of operation and algorithm are not appropriate.					

Table 61 — S503 ALGORITHM PARAMETER

S503 ALGORITHM PARAMETER					
Desc.: Parameter required by a security algorithm.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0531	Algorithm parameter qualifier	M	an..3	
020	0554	Algorithm parameter value	M	an..512	

**Table 62 — S504 LIST PARAMETER**

S504 LIST PARAMETER					
Desc.: Identification of a parameter for a list request or delivery					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0575	List parameter qualifier	M	an..3	
020	0558	List parameter	M	an..70	

**Table 63 — S505 SERVICE CHARACTER FOR SIGNATURE**

S505 SERVICE CHARACTER FOR SIGNATURE					
Desc.: Identification of the characters used as syntactical service characters when a signature was computed.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0551	Service character for signature qualifier	M	an..3	
020	0548	Service character for signature	M	an..4	

S508 VALIDATION RESULT					
Desc.: Result of the application of the security mechanism.					
POS	TAG	Name	S	Repr.	Notes/Remarks
010	0563	Validation value qualifier	M	an..3	
020	0560	Validation value	C	an..1024	1
REMARKS:					
1 0560, the length of this data element shall be determined by the characteristics of the cryptographic algorithm used to compute the validation value and the filter function applied to the result.					

### 5.3 Service simple data element directory

#### 5.3.1 General

The syntax service code list directory forms part of the UN Trade Data Interchange Directory (UNTDID). The most recent UNTDID should be used to reference the code values for the coded data elements in the following simple data element directory.

#### 5.3.2 Service simple data element specification legend

Tag	The tags of all service simple data elements contained in the simple data element directory start with figure "0"
Name	Name of a simple data element
Desc.	Description of the simple data element
Repr.	Data value representation of the simple data element:
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

### 5.3.3 Index of service simple data elements 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
0001	Syntax identifier
0002	Syntax version number
0004	Interchange sender identification
0007	Identification code qualifier
0008	Interchange sender internal identification
0010	Interchange recipient identification
0014	Interchange recipient internal identification
0017	Date
0019	Time
0020	Interchange control reference
0022	Recipient reference/password
0025	Recipient reference/password qualifier
0026	Application reference
0029	Processing priority code
0031	Acknowledgement request
0032	Interchange agreement identifier
0035	Test indicator
0036	Interchange control count
0040	Application sender identification
0042	Interchange sender internal sub-identification
0044	Application recipient identification
0046	Interchange recipient internal sub-identification
0048	Group reference number
0051	Controlling agency, coded
0052	Message version number

Tag	Name
0054	Message release number
0057	Association assigned code
0058	Application password
0060	Group control count
0062	Message reference number
0065	Message type
0068	Common access reference
0070	Sequence of transfers
0073	First and last transfer
0074	Number of segments in a message
0076	Syntax release number
0080	Service code list directory version number
0081	Section identification
0083	Action, coded
0085	Syntax error, coded
0087	Anti-collision segment group identification
0096	Segment position in message body
0098	Erroneous data element position in segment
0104	Erroneous component data element position
0110	Code list directory version number
0113	Message type sub-function identification
0115	Message subset identification
0116	Message subset version number
0118	Message subset release number
0121	Message implementation guideline identification
0122	Message implementation guideline version number
0124	Message implementation guideline release number
0127	Scenario identification
0128	Scenario version number
0130	Scenario release number
0133	Character encoding, coded
0135	Service segment tag, coded
0136	Erroneous data element occurrence
0138	Security segment position
0300	Initiator control reference
0303	Initiator reference identification
0304	Responder control reference
0306	Transaction control reference
0311	Dialogue identification
0314	Event time
0320	Sender sequence number
0323	Transfer position, coded
0325	Duplicate Indicator
0331	Report function, coded
0332	Status

Tag	Name
0333	Status, coded
0335	Language, coded
0336	Time offset
0338	Event date
0340	Interactive message reference number
0342	Dialogue version number
0344	Dialogue release number
0501	Security service, coded
0503	Response type, coded
0505	Filter function, coded
0507	Original character set encoding, coded
0509	Role of security provider, coded
0511	Security party identification
0513	Security party code list qualifier
0515	Security party code list responsible agency, coded
0517	Date and time qualifier
0518	Encryption reference number
0520	Security sequence number
0523	Use of algorithm, coded
0525	Cryptographic mode of operation, coded
0527	Algorithm, coded
0529	Algorithm code list identifier
0531	Algorithm parameter qualifier
0533	Mode of operation code list identifier
0534	Security reference number
0536	Certificate reference
0538	Key name
0541	Scope of security application, coded
0543	Certificate original character set repertoire, coded
0545	Certificate syntax and version, coded
0546	User authorization level
0548	Service character for signature
0551	Service character for signature qualifier
0554	Algorithm parameter value
0556	Length of data in octets of bits
0558	List parameter
0560	Validation value
0563	Validation value qualifier
0565	Message relation, coded
0567	Security status, coded
0569	Revocation reason, coded
0571	Security error, coded
0572	Certificate sequence number
0575	List parameter qualifier
0577	Security party qualifier

Tag	Name
0579	Key management function qualifier
0582	Number of padding bytes
0586	Security party name
0588	Number of security segments
0591	Padding mechanism, coded
0601	Padding mechanism code list identifier
0800	Package reference number
0802	Reference identification number
0805	Object type qualifier
0808	Object type attribute
0809	Object type attribute identification
0810	Length of object in octets of bits
0813	Reference qualifier
0814	Number of segments before object

#### 5.3.4 Index of service simple data elements 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
0031	Acknowledgement request
0083	Action, coded
0529	Algorithm code list identifier
0531	Algorithm parameter qualifier
0554	Algorithm parameter value
0527	Algorithm, coded
0087	Anti-collision segment group identification
0058	Application password
0044	Application recipient identification
0026	Application reference
0040	Application sender identification
0057	Association assigned code
0543	Certificate original character set repertoire, coded
0536	Certificate reference
0572	Certificate sequence number
0545	Certificate syntax and version, coded

Tag	Name
0133	Character encoding, coded
0110	Code list directory version number
0068	Common access reference
0051	Controlling agency, coded
0525	Cryptographic mode of operation, coded
0017	Date
0517	Date and time qualifier
0311	Dialogue identification
0344	Dialogue release number
0342	Dialogue version number
0325	Duplicate Indicator
0518	Encryption reference number
0104	Erroneous component data element position
0136	Erroneous data element occurrence
0098	Erroneous data element position in segment
0338	Event date
0314	Event time
0505	Filter function, coded
0073	First and last transfer
0060	Group control count
0048	Group reference number
0007	Identification code qualifier
0300	Initiator control reference
0303	Initiator reference identification
0340	Interactive message reference number
0032	Interchange agreement identifier
0036	Interchange control count
0020	Interchange control reference
0010	Interchange recipient identification
0014	Interchange recipient internal identification
0046	Interchange recipient internal sub-identification
0004	Interchange sender identification
0008	Interchange sender internal identification
0042	Interchange sender internal sub-identification
0579	Key management function qualifier
0538	Key name
0335	Language, coded
0556	Length of data in octets of bits
0810	Length of object in octets of bits
0558	List parameter
0575	List parameter qualifier
0121	Message implementation guideline identification
0124	Message implementation guideline release number
0122	Message implementation guideline version number
0062	Message reference number

Tag	Name
0565	Message relation, coded
0054	Message release number
0115	Message subset identification
0118	Message subset release number
0116	Message subset version number
0065	Message type
0113	Message type sub-function identification
0052	Message version number
0533	Mode of operation code list identifier
0582	Number of padding bytes
0588	Number of security segments
0814	Number of segments before object
0074	Number of segments in a message
0808	Object type attribute
0809	Object type attribute identification
0805	Object type qualifier
0507	Original character set encoding, coded
0800	Package reference number
0601	Padding mechanism code list identifier
0591	Padding mechanism, coded
0029	Processing priority code
0022	Recipient reference/password
0025	Recipient reference/password qualifier
0802	Reference identification number
0813	Reference qualifier
0331	Report function, coded
0304	Responder control reference
0503	Response type, coded
0569	Revocation reason, coded
0509	Role of security provider, coded
0127	Scenario identification
0130	Scenario release number
0128	Scenario version number
0541	Scope of security application, coded
0081	Section identification
0571	Security error, coded
0513	Security party code list qualifier
0515	Security party code list responsible agency, coded
0511	Security party identification
0586	Security party name
0577	Security party qualifier
0534	Security reference number
0138	Security segment position
0520	Security sequence number
0501	Security service, coded

Tag	Name
0567	Security status, coded
0096	Segment position in message body
0320	Sender sequence number
0070	Sequence of transfers
0548	Service character for signature
0551	Service character for signature qualifier
0080	Service code list directory version number
0135	Service segment tag, coded
0332	Status
0333	Status, coded
0085	Syntax error, coded
0001	Syntax identifier
0076	Syntax release number
0002	Syntax version number
0035	Test indicator
0019	Time
0336	Time offset
0306	Transaction control reference
0323	Transfer position, coded
0523	Use of algorithm, coded
0546	User authorization level
0560	Validation value
0563	Validation value qualifier

### 5.3.5 Service simple data element 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

0001 Syntax identifier
Desc.: Coded identification of the agency controlling the syntax, and of the character repertoire used in an interchange.
Repr.: a4
Remark 1: The data value consists of the letters "UN", upper case, identifying the syntax controlling agency, directly followed by an a2 code identifying the character repertoire used.

0002 Syntax version number
Desc.: Version number of the syntax.
Repr.: an1
Remark 1: Shall be "4" to indicate this version of the syntax.

0004 Interchange sender identification
Desc.: Name or coded identification of the sender of the interchange.
Repr.: an..35
Remark 1: Organization code or name as agreed between interchange partners.
Remark 2: If coded representation is used, its source may be specified by the qualifier in data element 0007.

0007 Identification code qualifier
Desc.: Qualifier referring to the identification code.
Repr.: an..4
Remark 1: A qualifier code may refer to an organization identification as in the ISO/IEC 6523 series.

0008 Interchange sender internal identification
Desc.: Identification (e.g. a division, branch or computer system/process) specified by the sender of interchange, to be included if agreed, by the recipient in response interchanges, to facilitate internal routing.
Repr.: an..35

0010 Interchange recipient identification
Desc.: Name or coded identification of the recipient of the interchange.
Repr.: an..35
Remark 1: Organization code or name as agreed between interchange partners.
Remark 2: If coded representation is used, its source may be specified by the qualifier in data element 0007.

0014 Interchange recipient internal identification
Desc.: Identification (e.g. a division, branch or computer system/process) specified by the recipient of interchange, to be included if agreed, by the sender in response interchanges, to facilitate internal routing.
Repr.: an..35

0017 Date
Desc.: Local date when an interchange or a group was prepared.
Repr.: n8
Remark 1: Format is CCYYMMDD.

0019 Time
Desc.: Local time of day when an interchange or a group was prepared.
Repr.: n4
Remark 1: Format is HHMM in 24 h clock.

0020 Interchange control reference
Desc.: Unique reference assigned by the sender to an interchange.
Repr.: an..14

0022 Recipient reference/password
Desc.: Reference or password to the recipient's system or to a third party network as specified in the partners' interchange agreement.
Repr.: an..14
Remark 1: To be used as specified in the partners' interchange agreement. It may be qualified by data element 0025.

0025 Recipient reference/password qualifier
Desc.: Qualifier for the recipient's reference or password.
Repr.: an2
Remark 1: To be used as specified in the partners' interchange agreement.

0026 Application reference
Desc.: Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message type, if all the messages in the interchange are of the same type.
Repr.: an..14
Remark 1: Identification of the application area (e.g. accounting, purchasing) or of the message type, as applicable.

0029 Processing priority code
Desc.: Code determined by the sender requesting processing priority for the interchange.
Repr.: a1
Remark 1: To be used as specified in the partners' interchange agreement.

0031 Acknowledgement request
Desc.: Code requesting acknowledgement for the interchange.
Repr.: n1
Remark 1: Used if the sender requests that a message related to syntactical correctness be sent by the recipient in response.
Remark 2: For UN/EDIFACT a specific message (Syntax and service report - CONTRL) is defined for this purpose.

0032 Interchange agreement identifier
Desc.: Identification by name or code of the type of agreement under which the interchange takes place.
Repr.: an..35
Remark 1: Name or code to be specified in the partners' interchange agreement.

0035 Test indicator
Desc.: Indication that the structural level containing the test indicator is a test.
Repr.: n1

0036 Interchange control count
Desc.: The number of messages and packages in an interchange or, if used, the number of groups in an interchange.
Repr.: n..6

0040 Application sender identification
Desc.: Name or coded identification of the application sender (e.g. a division, branch or computer system/process).
Repr.: an..35

0042 Interchange sender internal sub-identification
Desc.: Sub-level of sender internal identification, when further sub-level identification is required.
Repr.: an..35

0044 Application recipient identification
Desc.: Name or coded identification of the application recipient (e.g. a division, branch or computer system/process).
Repr.: an..35

0046 Interchange recipient internal sub-identification
Desc.: Sub-level of recipient internal identification, when further sub-level identification is required.
Repr.: an..35

0048 Group reference number
Desc.: Unique reference number for the group within an interchange.
Repr.: an..14

0051 Controlling agency, coded
Desc.: Code identifying a controlling agency.
Repr.: an..3

0052 Message version number
Desc.: Version number of a message type.
Repr.: an..3

0054 Message release number
Desc.: Release number within the current message version number.
Repr.: an..3

0057 Association assigned code
Desc.: Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.
Repr.: an..6

0058 Application password
Desc.: Password to the recipient's division, department or sectional application system/process.
Repr.: an..14

0060 Group control count
Desc.: The number of messages and packages in the group.
Repr.: n..6

0062 Message reference number
Desc.: Unique message reference assigned by the sender.
Repr.: an..14

0065 Message type
Desc.: Code identifying a type of message and assigned by its controlling agency.
Repr.: an..6
Remark 1: In UNSMs (United Nations Standard Messages), the representation is a6.

0068 Common access reference
Desc.: Reference serving as a key to relate all subsequent transfers of data to the same business case or file.
Repr.: an..35

0070 Sequence of transfers
Desc.: Number assigned by the sender indicating the transfer sequence of a message related to the same topic. The message could be an addition or a change to an earlier transfer related to the same topic.
Repr.: n..2
Remark 1: The first message in the sequence shall be assigned as number 1.

0073 First and last transfer
Desc.: Indication used for the first and last message in a sequence of messages related to the same topic.
Repr.: a1

0074 Number of segments in a message
Desc.: The number of segments in a message body, plus the message header segment and message trailer segment.
Repr.: n..10

0076 Syntax release number
Desc.: The number of a syntax release (within an existing syntax version number).
Repr.: an2

0080 Service code list directory version number
Desc.: Version number of the service code list directory.
Repr.: an..6

0081 Section identification
Desc.: Identification of the separation of sections of a message.
Repr.: a1

0083 Action, coded
Desc.: A code indicating acknowledgement, or rejection (the action taken) of a subject interchange, or part of the subject interchange, or indication of interchange receipt.
Repr.: an..3

0085 Syntax error, coded
Desc.: A code indicating the error detected.
Repr.: an..3

0087 Anti-collision segment group identification
Desc.: To identify uniquely an anti-collision segment group in a message.
Repr.: an..4
Remark 1: The value of this data element shall be the segment group number of the UGH/UGT segment group as stated in the message specification.

0096 Segment position in message body
Desc.: The numerical count position of a specific segment that is within the actual received message body. The numbering starts with, and includes, the UNH or the UIH segment as segment number 1. To identify a segment that contains an error, this is the numerical count position of that segment. To report that a segment is missing, this is the numerical count position of the last segment that was processed before the position where the missing segment was expected to be. A missing segment group is denoted by identifying the first segment in the group as missing.
Repr.: n..6

0098 Erroneous data element position in segment
Desc.: The numerical count position of the stand-alone or composite data element in error. The segment code and each following stand-alone or composite data element defined in the segment description shall cause the count to be incremented. The segment tag has position number 1.
Repr.: n..3

0104 Erroneous component data element position
Desc.: The numerical count position of the component data element in error. Each component data element position defined in the composite data element description shall cause the count to be incremented. The count starts at 1.
Repr.: n..3

0110 Code list directory version number
Desc.: Version number of the code list directory.
Repr.: an..6

0113 Message type sub-function identification
Desc.: Code identifying a sub-function of a message type.
Repr.: an..6
Remark 1: The code qualifies the message type data element (0065) to allow the recipient to identify a specific sub-function of a message.

0115 Message subset identification
Desc.: Coded identification of a message subset, assigned by its controlling agency.
Repr.: an..14

0116 Message subset version number
Desc.: Version number of the message subset.
Repr.: an..3

0118 Message subset release number
Desc.: Release number within the message subset version number.
Repr.: an..3

0121 Message implementation guideline identification
Desc.: Coded identification of the message implementation guideline, assigned by its controlling agency.
Repr.: an..14

0122 Message implementation guideline version number
Desc.: Version number of the message implementation guideline.
Repr.: an..3

0124 Message implementation guideline release number
Desc.: Release number within the message implementation guideline version number.
Repr.: an..3

0127 Scenario identification
Desc.: Code identifying scenario.
Repr.: an..14

0128 Scenario version number
Desc.: Version number of a scenario.
Repr.: an..3

0130 Scenario release number
Desc.: Release number within the scenario version number.
Repr.: an..3

0133 Character encoding, coded
Desc.: Coded identification of the character encoding used in the interchange.
Repr.: an..3

Remark 1: To be used as specified in the partners' interchange agreement, for the purpose of identifying the character repertoire encoding technique used in the interchange (when the default encoding defined by the character repertoire's associated character set specification is not used).

0135 Service segment tag, coded

Desc.: Code identifying a service segment.

Repr.: an..3

0136 Erroneous data element occurrence

Desc.: The numerical occurrence of the repeating stand-alone or composite data element in error. Each occurrence (as indicated by the repetition separator) shall cause the count to be incremented. The count starts at 1.

Repr.: n..6

0138 Security segment position

Desc.: The numerical count position of a specific security segment that is within the actual received security header/trailer segment group pair, identified by its security reference number. The numbering starts with, and includes, the USH segment as segment number 1. To identify a security segment that contains an error, this is the numerical count position of that security segment. To report that a security segment is missing, this is the numerical count position of the last security segment that was processed before the position where the missing security segment was expected to be. A missing security segment group is denoted by identifying the first segment in the security segment group as missing.

Repr.: n..6

0300 Initiator control reference

Desc.: A reference assigned by the dialogue initiator.

Repr.: an..35

0303 Initiator reference identification

Desc.: Organization code or name assigned by the party that initiated the transaction or dialogue.

Repr.: an..35

0304 Responder control reference

Desc.: A reference assigned by the dialogue responder.

Repr.: an..35

0306 Transaction control reference

Desc.: A reference assigned by the transaction initiator.

Repr.: an..35

0311 Dialogue identification
Desc.: Code identifying a dialogue.
Repr.: an..14

0314 Event time
Desc.: Time of event.
Repr.: an..15
Remark 1: Format is HHMMSS ... with up to 9 more digits of precision. A "Z" as the last character indicates UTC time. (see the ISO 8601 series).

0320 Sender sequence number
Desc.: Identification of the sequence number of the message or package within the sender interchange.
Repr.: n..6

0323 Transfer position, coded
Desc.: Indication of the position of a transfer.
Repr.: a1

0325 Duplicate Indicator
Desc.: Indication that the structure is a duplicate of a previously sent structure.
Repr.: a1

0331 Report function, coded
Desc.: Coded value identifying type of status or error report.
Repr.: an..3

0332 Status
Desc.: Textual explanation of the reason for the status or error report.
Repr.: an..70

0333 Status, coded
Desc.: Code identifying the reason for the status or error report.
Repr.: an..3

0335 Language, coded
Desc.: Code identifying the language used.
Repr.: an..3

Remark 1: The code list for this data element is maintained by ISO (see the ISO 639 series).

0336 Time offset
Desc.: UTC (Universal Coordinated Time) offset from event time.
Repr.: n4
Remark 1: Format is HHMM. Shall be prefixed with "-" for negative offsets (see the ISO 8601 series).

0338 Event date
Desc.: Date of event.
Repr.: n..8
Remark 1: Format is YYMMDD or CCYYMMDD.

0340 Interactive message reference number
Desc.: Unique interactive message reference assigned by the sender.
Repr.: an..35

0342 Dialogue version number
Desc.: Version number of a dialogue.
Repr.: an..3

0344 Dialogue release number
Desc.: Release number of a dialogue
Repr.: an..3

0501 Security service, coded
Desc.: Specification of the security service applied.
Repr.: an..3

0503 Response type, coded
Desc.: Specification of the type of response expected from the recipient.
Repr.: an..3

0505 Filter function, coded
Desc.: Identification of the filtering function used to reversibly map any bit pattern on to a restricted character set.
Repr.: an..3

0507 Original character set encoding, coded
Desc.: Identification of the character set in which the secured EDIFACT structure was encoded when security mechanisms were applied.
Repr.: an..3

0509 Role of security provider, coded
Desc.: Identification of the role of the security provider in relation to the secured item.
Repr.: an..3

0511 Security party identification
Desc.: Identification of a party involved in the security process, according to a defined registry of security parties.
Repr.: an..1024

0513 Security party code list qualifier
Desc.: Identification of the type of identification used to register the security parties.
Repr.: an..3

0515 Security party code list responsible agency, coded
Desc.: Identification of the agency in charge of registration of the security parties.
Repr.: an..3

0517 Date and time qualifier
Desc.: Specification of the type of date and time.
Repr.: an..3

0518 Encryption reference number
Desc.: Reference number to the encrypted EDIFACT structure.
Repr.: an..35

0520 Security sequence number
Desc.: Sequence number assigned to the EDIFACT structure to which security is applied.
Repr.: an..35
Remark 1: This sequence number is security related and may differ from the identification of the EDIFACT structure that may appear elsewhere. It may be used when sequence integrity is required.

0523 Use of algorithm, coded
Desc.: Specification of the usage made of the algorithm.
Repr.: an..3

0525 Cryptographic mode of operation, coded
Desc.: Specification of the mode of operation used for the algorithm.
Repr.: an..3

0527 Algorithm, coded
Desc.: Identification of the algorithm.
Repr.: an..3

0529 Algorithm code list identifier
Desc.: Specification of the code list used to identify the algorithm.
Repr.: an..3

0531 Algorithm parameter qualifier
Desc.: Specification of the type of parameter value.
Repr.: an..3

0533 Mode of operation code list identifier
Desc.: Specification of the code list used to identify the cryptographic mode of operation.
Repr.: an..3

0534 Security reference number
Desc.: Unique reference number assigned by the security originator to a pair of security header and security trailer groups.
Repr.: an..14
Remark 1: The value shall be arbitrarily assigned, but the same value shall not be used more than once within the same EDIFACT structure, i.e. interchange, group, message or package.

0536 Certificate reference
Desc.: Identifies one certificate for a certification authority.
Repr.: an..70

0538 Key name
Desc.: Name used to establish a key relationship between the parties.

Repr.: an..35
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0541 Scope of security application, coded
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Desc.: Specification of the scope of application of the security service defined in the security header.
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Repr.: an..3
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Remark 1: It defines the data that have to be taken into account by the related cryptographic process.
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0543 Certificate original character set repertoire, coded
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Desc.: Identification of the character set repertoire used to create the certificate it was signed.
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Repr.: an..3
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0545 Certificate syntax and version, coded
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Desc.: Coded identification of the syntax and version used to create the certificate.
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Repr.: an..3
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0546 User authorization level
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Desc.: Specification of the authorization level associated with the owner of the certificate.
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Repr.: an..35
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0548 Service character for signature
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Desc.: Service character used when the signature was computed.
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Repr.: an..4
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Remark 1: In order to avoid translator problems, this service character is represented by its value in the character set identified by the original character set encoding data element (0507), hexa-filtered on, at least, two characters. For example, the service character "" is coded "27" (two characters), if ASCII 8bit code page is used.
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0551 Service character for signature qualifier
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Desc.: Identification of the type of service character used when the signature was computed.
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Repr.: an..3
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0554 Algorithm parameter value
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Desc.: Value of a parameter required by the algorithm.
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Repr.: an..512
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Remark 1: If necessary, this value shall be filtered by an appropriate filter function. Note that key names do not need to be filtered.
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0556 Length of data in octets of bits
Desc.: A count of the data octets of bits.
Repr.: n..18

0558 List parameter
Desc.: Specification of the list requested or delivered.
Repr.: an..70

0560 Validation value
Desc.: Security result corresponding to the security function specified.
Repr.: an..1024
Remark 1: If necessary, this value shall be filtered by an appropriate filter function.

0563 Validation value, qualifier
Desc.: Identification of the type of validation value.
Repr.: an..3

0565 Message relation, coded
Desc.: Relationship with another message, past or future.
Repr.: an..3

0567 Security status, coded
Desc.: Identification of the security element (key or certificate, for instance) status.
Repr.: an..3

0569 Revocation reason, coded
Desc.: Identification of the reason why the certificate has been revoked.
Repr.: an..3

0571 Security error, coded
Desc.: Identifies the security error causing the rejection of the EDIFACT structure.
Repr.: an..3
Remark 1: This element shall specify the security error encountered. These may be the reason for non-acknowledgement by a request for secure acknowledgement, or may be sent on the initiative of the receiver of an AUTACK or secured EDIFACT structure which contains error.