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

Part 10:
Syntax service directories

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Foreword

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

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

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

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

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

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

ISO 9735 consists of the following parts, under the general title *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1)*:

— *Part 1: Syntax rules common to all parts*

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

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

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

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

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

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

— *Part 8: Associated data in EDI*

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

— *Part 10: Syntax service directories*

Further parts may be added in the future.

Introduction

This part of ISO 9735 includes the rules at the application level for the structuring of data in the interchange of electronic messages in an open environment, based on the requirements of either batch or interactive processing. These rules have been agreed by the United Nations Economic Commission for Europe (UN/ECE) as syntax rules for Electronic Data Interchange for Administration, Commerce and Transport (EDIFACT) and are part of the United Nations Trade Data Interchange Directory (UNTDID) which also includes both batch and interactive Message Design Guidelines.

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

Communications specifications and protocols are outside the scope of this part of ISO 9735.

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

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

Part 10:
Syntax service directories

1 Scope

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

2 Conformance

Whereas this part shall use a version number of “4” in the mandatory data element 0002 (Syntax version number), and shall use a release number of “01” in the conditional data element 0076 (Syntax release number), each of which appear in the segment UNB (Interchange header), interchanges continuing to use the syntax defined in the earlier published versions shall use the following Syntax version numbers, in order to differentiate them from each other and from this part:

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

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

— ISO 9735:1988 and its Amendment 1:1992: *Syntax version number: 3*

— ISO 9735:1998: *Syntax version number: 4*

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

Data that is interchanged is in conformance if the structure and representation of the data conform to the syntax rules specified in this part of ISO 9735.

Devices supporting this part of ISO 9735 are in conformance when they are capable of creating and/or interpreting the data structured and represented in conformance with the standard.

Conformance to this part shall include conformance to parts 1 to 9 of ISO 9735.

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

3 Normative references

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

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

ISO 9735-1:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 1: Syntax rules common to all parts*

ISO 9735-2:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 2: Syntax rules specific to batch EDI*

ISO 9735-3:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 3: Syntax rules specific to interactive EDI*

ISO 9735-4:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 4: Syntax and service report message for batch EDI (message type — CONTRL)*

ISO 9735-5:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 5: Security rules for batch EDI (authenticity, integrity and non-repudiation of origin)*

ISO 9735-6:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 6: Secure authentication and acknowledgement message (message type — AUTACK)*

ISO 9735-7:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 7: Security rules for batch EDI (confidentiality)*

ISO 9735-8:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 8: Associated data in EDI*

ISO 9735-9:2002, *Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 9: Security key and certificate management message (message type — KEYMAN)*

4 Terms and definitions

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

5 Syntax service directories

5.1 Service segment directory

5.1.1 Service segment specification legend:

Function The function of the segment

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

TAG The tags for all service segments contained in the segment directory shall start with the letter “U”. The tags of all service composite data elements start with the letter “S”, and the tags of all service simple data elements start with the figure “0”.

Name Name of a COMPOSITE DATA ELEMENT in capital letters
Name of a STAND-ALONE DATA ELEMENT in capital letters
Name of a component data element in small letters

S The status of the stand-alone data element or composite data element in the segment, or of the components in the composite (where M = Mandatory and C = Conditional)

R The maximum number of occurrences of a stand-alone data element or composite data element in the segment

Repr. Data value representation of the stand-alone data element or component data elements in the composite:

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

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

    a plus sign (+)    for an addition
    an asterisk (*)    for an amendment to structure
    a hash sign (#)    for changes to names
    a vertical bar (|) for changes to text for descriptions,
                       notes and functions
    a minus sign (-)   for a deletion
    an X sign (X)      for marked for deletion
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	Tag	Name
	UCD	Data element error indication
	UCF	Group response
	UCI	Interchange response
	UCM	Message/package response
	UCS	Segment error indication
	UGH	Anti-collision segment group header
	UGT	Anti-collision segment group trailer
	UIB	Interactive interchange header
	UIH	Interactive message header
*|	UIR	Interactive status
	UIT	Interactive message trailer
	UIZ	Interactive interchange trailer
	UNB	Interchange header
	UNE	Group trailer
	UNG	Group header
	UNH	Message header
	UNO	Object header
	UNP	Object trailer
	UNS	Section control
	UNT	Message trailer
	UNZ	Interchange trailer
	USA	Security algorithm
	USB	Secured data identification
	USC	Certificate
	USD	Data encryption header
	USE	Security message relation
	USF	Key management function
	USH	Security header
	USL	Security list status
	USR	Security result
	UST	Security trailer
	USU	Data encryption trailer
	USX	Security references
	USY	Security on references

5.1.4 Index of service segments by name

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

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

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

5.1.5 Service segment specifications

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

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

UCD DATA ELEMENT ERROR INDICATION

Function: To identify an erroneous stand-alone, composite or component data element, and to identify the nature of the error.

Pos	TAG	Name	S	R	Repr.	Notes
010	0085	SYNTAX ERROR, CODED	M	1	an..3	
020	S011	DATA ELEMENT IDENTIFICATION	M	1		
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	

UCF GROUP RESPONSE

Function: To identify a group in the subject interchange and to indicate acknowledgement or rejection (action taken) of the UNG and UNE segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the group level. Depending on the action code, it may also indicate the action taken on the messages and packages within that group.

Pos	TAG	Name	S	R	Repr.	Notes
010	0048	GROUP REFERENCE NUMBER	M	1	an..14	
020	S006	APPLICATION SENDER IDENTIFICATION	C	1		7
	0040	Application sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
030	S007	APPLICATION RECIPIENT IDENTIFICATION	C	1		7
	0044	Application recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
040	0083	ACTION, CODED	M	1	an..3	
050	0085	SYNTAX ERROR, CODED	C	1	an..3	1,2,3,4
060	0135	SERVICE SEGMENT TAG, CODED	C	1	an..3	1,2,3,4,5
070	S011	DATA ELEMENT IDENTIFICATION	C	1		2

	0098	Erroneous data element position in segment	M	n..3	
	0104	Erroneous component data element position	C	n..3	
	0136	Erroneous data element occurrence	C	n..6	
080	0534	SECURITY REFERENCE NUMBER	C 1	an..14	3,4,6
090	0138	SECURITY SEGMENT POSITION	C 1	n..6	3,4,6

DEPENDENCY NOTES:

1. D5(060, 050) If first, then all

2. D5(070, 060, 050) If first, then all

3. D5(080, 060, 050, 090) If first, then all

4. D5(090, 080, 060, 050) If first, then all

OTHER NOTES:

5. 0135, may only contain the values UNG, UNE, USA, USC, USD, USH, USR, UST, or USU.

6. This data element shall be present when reporting an error in a security segment.

7. This data element shall be present if it was present in the subject interchange.

UCI INTERCHANGE RESPONSE

Function: To identify the subject interchange, to indicate interchange receipt, to indicate acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the interchange level. Depending on the action code, it may also indicate the action taken on the groups, messages, and packages within that interchange.

Pos	TAG	Name	S	R	Repr.	Notes
010	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	
020	S002	INTERCHANGE SENDER	M	1		
	0004	Interchange sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0008	Interchange sender internal identification	C		an..35	
	0042	Interchange sender internal sub-identification	C		an..35	
030	S003	INTERCHANGE RECIPIENT	M	1		
	0010	Interchange recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0014	Interchange recipient internal identification	C		an..35	
	0046	Interchange recipient internal sub-identification	C		an..35	
040	0083	ACTION, CODED	M	1	an..3	

050	0085	SYNTAX ERROR, CODED	C	1	an..3	1,2,3,4
060	0135	SERVICE SEGMENT TAG, CODED	C	1	an..3	1,2,3,4,5
070	S011	DATA ELEMENT IDENTIFICATION	C	1		2
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	
080	0534	SECURITY REFERENCE NUMBER	C	1	an..14	3,4,6
090	0138	SECURITY SEGMENT POSITION	C	1	n..6	3,4,6

DEPENDENCY NOTES:

1. D5(060, 050) If first, then all

2. D5(070, 060, 050) If first, then all

3. D5(080, 060, 050, 090) If first, then all

4. D5(090, 080, 060, 050) If first, then all

OTHER NOTES:

5. 0135, may only contain the values UNA, UNB, UNZ, USA, USC, USD, USH, USR, UST, or USU.

6. This data element shall be present when reporting an error in a security segment.

UCM MESSAGE/PACKAGE RESPONSE

Function: To identify a message or package in the subject interchange, and to indicate that message's or package's acknowledgement or rejection (action taken), and to identify any error related to the UNH, UNT, UNO, and UNP segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the message or package level.

Pos	TAG	Name	S	R	Repr.	Notes
010	0062	MESSAGE REFERENCE NUMBER	C	1	an..14	1,2
020	S009	MESSAGE IDENTIFIER	C	1		2
	0065	Message type	M		an..6	
	0052	Message version number	M		an..3	
	0054	Message release number	M		an..3	
	0051	Controlling agency, coded	M		an..3	
	0057	Association assigned code	C		an..6	
	0110	Code list directory version number	C		an..6	
	0113	Message type sub-function identification	C		an..6	
030	0083	ACTION, CODED	M	1	an..3	
040	0085	SYNTAX ERROR, CODED	C	1	an..3	4,5,6,7
050	0135	SERVICE SEGMENT TAG, CODED	C	1	an..3	4,5,6,

						7,8
060	S011	DATA ELEMENT IDENTIFICATION	C	1		5
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	
070	0800	PACKAGE REFERENCE NUMBER	C	1	an..35	1,3
080	S020	REFERENCE IDENTIFICATION	C	99		3
	0813	Reference qualifier	M		an..3	
	0802	Reference identification number	M		an..35	
090	0534	SECURITY REFERENCE NUMBER	C	1	an..14	6,7,9
100	0138	SECURITY SEGMENT POSITION	C	1	n..6	6,7,9

DEPENDENCY NOTES:

1. D1(010, 070) One and only one
2. D2(010, 020) All or none
3. D2(070, 080) All or none
4. D5(050, 040) If first, then all
5. D5(060, 050, 040) If first, then all
6. D5(090, 050, 040, 100) If first, then all
7. D5(100, 090, 050, 040) If first, then all

OTHER NOTES:

8. 0135, may only contain the values UNH, UNT, UNO, UNP, USA, USC, USD, USH, USR, UST, or USU.
9. This data element shall be present when reporting an error in a security segment.

UCS SEGMENT ERROR INDICATION

Function: To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment.

Pos	TAG	Name	S	R	Repr.	Notes
010	0096	SEGMENT POSITION IN MESSAGE BODY	M	1	n..6	
020	0085	SYNTAX ERROR, CODED	C	1	an..3	1

NOTES:

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

UGH ANTI-COLLISION SEGMENT GROUP HEADER

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

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

NOTES:

1. 0087, the value shall be the segment group number of the UGH/UGT segment group as stated in the message specification. It shall be identical to the value in 0087 in the corresponding UGT segment.

UGT ANTI-COLLISION SEGMENT GROUP TRAILER

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

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

NOTES:

1. 0087, the value shall be the segment group number of the UGH/UGT segment group as stated in the message specification. It shall be identical to the value in 0087 in the corresponding UGH segment.

UIB INTERACTIVE INTERCHANGE HEADER

Function: To head and identify an interchange.

Pos	TAG	Name	S	R	Repr.	Notes
010	S001	SYNTAX IDENTIFIER	M	1		3
	0001	Syntax identifier	M		a4	
	0002	Syntax version number	M		an1	
	0080	Service code list directory version number	C		an..6	
	0133	Character encoding, coded	C		an..3	
	0076	Syntax release number	C		an2	
020	S302	DIALOGUE REFERENCE	C	1		1,2,4,5,8
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
030	S303	TRANSACTION REFERENCE	C	1		1,8
	0306	Transaction control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
040	S018	SCENARIO IDENTIFICATION	C	1		
	0127	Scenario identification	M		an..14	
	0128	Scenario version number	C		an..3	
	0130	Scenario release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
050	S305	DIALOGUE IDENTIFICATION	C	1		2
	0311	Dialogue identification	M		an..14	
	0342	Dialogue version number	C		an..3	
	0344	Dialogue release number	C		an..3	

	0051	Controlling agency, coded	C	an..3		
060	S002	INTERCHANGE SENDER	C 1		5	
	0004	Interchange sender identification	M	an..35		
	0007	Identification code qualifier	C	an..4		
	0008	Interchange sender internal identification	C	an..35		
	0042	Interchange sender internal sub-identification	C	an..35		
070	S003	INTERCHANGE RECIPIENT	C 1			
	0010	Interchange recipient identification	M	an..35		
	0007	Identification code qualifier	C	an..4		
	0014	Interchange recipient internal identification	C	an..35		
	0046	Interchange recipient internal sub-identification	C	an..35		
080	S300	DATE AND/OR TIME OF INITIATION	C 1			
	0338	Event date	C	n..8		
	0314	Event time	C	an..15		
	0336	Time offset	C	n4		
090	0325	DUPLICATE INDICATOR	C 1	a1	6	
100	0035	TEST INDICATOR	C 1	n1	7	

DEPENDENCY NOTES:

1. D5(030, 020) If first, then all

2. D5(050, 020) If first, then all

OTHER NOTES:

3. S001/0002, shall be '4' to indicate this version of the syntax.

4. S302/0304, when provided by the responder, shall be returned by the initiator throughout the dialogue.

5. S002/0004, may be same as S302/0303 for initiator of transaction.

6. 0325, only used if the interchange is a duplicate transfer.

7. 0035, set by the initiator if the dialogue is a test. Applies to every subsequent message and service segment in the dialogue. Otherwise not used.

8. Dialogue and transaction control can be accomplished through the dialogue (S302) and transaction (S303) references. Optionally, if another means of control is chosen, these two composite data elements need not be utilised.

UIH INTERACTIVE MESSAGE HEADER

Function: To head, identify and specify a message.

Pos	TAG	Name	S	R	Repr.	Notes
010	S306	INTERACTIVE MESSAGE IDENTIFIER	M	1		
	0065	Message type	M		an..6	
	0052	Message version number	M		an..3	
	0054	Message release number	M		an..3	
	0113	Message type sub-function identification	C		an..6	

	0051	Controlling agency, coded	C		an..3	
	0057	Association assigned code	C		an..6	
020	0340	INTERACTIVE MESSAGE REFERENCE NUMBER	C	1	an..35	1,5
030	S302	DIALOGUE REFERENCE	C	1		2,4,5
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
040	S301	STATUS OF TRANSFER - INTERACTIVE	C	1		
	0320	Sender sequence number	C		n..6	
	0323	Transfer position, coded	C		a1	
	0325	Duplicate Indicator	C		a1	
050	S300	DATE AND/OR TIME OF INITIATION	C	1		
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	
	0336	Time offset	C		n4	
060	0035	TEST INDICATOR	C	1	n1	3

NOTES:

1. The value in 0340 shall be unique within the interchange (except for a duplicate transfer).

2. The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.

3. 0035, when used, test applies to the message only.

4. Dialogue control can be accomplished through the dialogue reference (S302). Optionally, if another means of control is chosen, this composite data element need not be utilised.

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

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*| UIR INTERACTIVE STATUS

Function: To report the status of the dialogue.

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

Pos	TAG	Name	S	R	Repr.	Notes
010	0331	REPORT FUNCTION, CODED	M	1	an..3	
020	S307	STATUS INFORMATION	C	9		
	0333	Status, coded	C		an..3	
	0332	Status	C		an..70	
	0335	Language, coded	C		an..3	
030	S302	DIALOGUE REFERENCE	C	1		
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
040	S300	DATE AND/OR TIME OF INITIATION	C	1		
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	

	0336	Time offset	C		n4	
050	0340	INTERACTIVE MESSAGE REFERENCE NUMBER	C	1	an..35	1,4
060	0800	PACKAGE REFERENCE NUMBER	C	1	an..35	1,5
070 +	0085	SYNTAX ERROR, CODED	C	1	an..3	2,3
080 +	0096	SEGMENT POSITION IN MESSAGE BODY	C	1	n..6	2,3
090 +	S011	DATA ELEMENT IDENTIFICATION	C	1		3
	0098	Erroneous data element position in segment	M		n..3	
	0104	Erroneous component data element position	C		n..3	
	0136	Erroneous data element occurrence	C		n..6	

DEPENDENCY NOTES:

1. D1(050, 060) One and only one

2.+ D5(080, 070) If first, then all

3.+ D5(090, 070, 080) If first, then all

OTHER NOTES:

4. 0340, the value shall be identical to the value in 0340 in the UIH of a message received by the sender of the UIR within the same dialogue.

5. 0800, the value shall be identical to the value in 0800 in the UNO received by the sender of the UIR within the same dialogue.

UIT INTERACTIVE MESSAGE TRAILER

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

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

NOTES:

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

UIZ INTERACTIVE INTERCHANGE TRAILER

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

Pos	TAG	Name	S	R	Repr.	Notes
010	S302	DIALOGUE REFERENCE	C	1		1
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
020	0036	INTERCHANGE CONTROL COUNT	C	1	n..6	
030	0325	DUPLICATE INDICATOR	C	1	a1	2

NOTES:

1. S302, the value shall be identical to the value in the responder's dialogue reference in S302 in the UIB segment.

2. 0325, only used if the interchange is a duplicate transfer.

UNB INTERCHANGE HEADER

Function: To identify an interchange.

Pos	TAG	Name	S	R	Repr.	Notes
010	S001	SYNTAX IDENTIFIER	M	1		1
	0001	Syntax identifier	M		a4	
	0002	Syntax version number	M		an1	
	0080	Service code list directory version number	C		an..6	
	0133	Character encoding, coded	C		an..3	
	0076	Syntax release number	C		an2	
020	S002	INTERCHANGE SENDER	M	1		2
	0004	Interchange sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0008	Interchange sender internal identification	C		an..35	
	0042	Interchange sender internal sub-identification	C		an..35	
030	S003	INTERCHANGE RECIPIENT	M	1		2
	0010	Interchange recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0014	Interchange recipient internal identification	C		an..35	
	0046	Interchange recipient internal sub-identification	C		an..35	
040	S004	DATE AND TIME OF PREPARATION	M	1		
	0017	Date	M		n8	
	0019	Time	M		n4	
050	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	2
060	S005	RECIPIENT REFERENCE/PASSWORD DETAILS	C	1		
	0022	Recipient reference/password	M		an..14	
	0025	Recipient reference/password qualifier	C		an2	
070	0026	APPLICATION REFERENCE	C	1	an..14	
080	0029	PROCESSING PRIORITY CODE	C	1	a1	
090	0031	ACKNOWLEDGEMENT REQUEST	C	1	n1	
100	0032	INTERCHANGE AGREEMENT IDENTIFIER	C	1	an..35	
110	0035	TEST INDICATOR	C	1	n1	

NOTES:

1. S001/0002, shall be '4' to indicate this version of the syntax.

2. The combination of the values carried in data elements S002, S003 and 0020 shall be used to identify uniquely the interchange, for the purpose of acknowledgement.

UNE GROUP TRAILER

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

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

NOTES:

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

UNG GROUP HEADER

Function: To head, identify and specify a group of messages and/or packages, which may be used for internal routing and which may contain one or more message types and/or packages.

Pos		TAG	Name	S	R	Repr.	Notes
010	X	0038	MESSAGE GROUP IDENTIFICATION	C	1	an..6	1,2,4
020		S006	APPLICATION SENDER IDENTIFICATION	C	1		5
		0040	Application sender identification	M		an..35	
		0007	Identification code qualifier	C		an..4	
030		S007	APPLICATION RECIPIENT IDENTIFICATION	C	1		5
		0044	Application recipient identification	M		an..35	
		0007	Identification code qualifier	C		an..4	
040		S004	DATE AND TIME OF PREPARATION	C	1		3
		0017	Date	M		n8	
		0019	Time	M		n4	
050		0048	GROUP REFERENCE NUMBER	M	1	an..14	5
060		0051	CONTROLLING AGENCY, CODED	C	1	an..3	1,2,4
070	X	S008	MESSAGE VERSION	C	1		1,2,4
		0052	Message version number	M		an..3	
		0054	Message release number	M		an..3	
		0057	Association assigned code	C		an..6	
080		0058	APPLICATION PASSWORD	C	1	an..14	

DEPENDENCY NOTES:

1. D2(010, 060, 070) All or none

OTHER NOTES:

2. This data element is only used if the following conditions apply:
   i) the group contains messages only, and
   ii) the messages are of a single message type.

3. S004, if S004 is not present in UNG, the date and time of preparation is the same as indicated for the interchange in S004 in UNB.

4. This data element will be deleted from the UNG segment in the next version of the standard. Therefore its use in UNG is not recommended.

5. The combination of the values carried in data elements S006, S007 and 0048 shall be used to identify uniquely the group within its interchange, for the purpose of acknowledgement.

UNH MESSAGE HEADER

Function: To head, identify and specify a message.

Pos	TAG	Name	S	R	Repr.	Notes
010	0062	MESSAGE REFERENCE NUMBER	M	1	an..14	2
020	S009	MESSAGE IDENTIFIER	M	1		1,2
	0065	Message type	M		an..6	
	0052	Message version number	M		an..3	
	0054	Message release number	M		an..3	
	0051	Controlling agency, coded	M		an..3	
	0057	Association assigned code	C		an..6	
	0110	Code list directory version number	C		an..6	
	0113	Message type sub-function identification	C		an..6	
030	0068	COMMON ACCESS REFERENCE	C	1	an..35	
040	S010	STATUS OF THE TRANSFER	C	1		
	0070	Sequence of transfers	M		n..2	
	0073	First and last transfer	C		a1	
050	S016	MESSAGE SUBSET IDENTIFICATION	C	1		1
	0115	Message subset identification	M		an..14	
	0116	Message subset version number	C		an..3	
	0118	Message subset release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
060	S017	MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION	C	1		1
	0121	Message implementation guideline identification	M		an..14	
	0122	Message implementation guideline version number	C		an..3	
	0124	Message implementation guideline release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	
070	S018	SCENARIO IDENTIFICATION	C	1		
	0127	Scenario identification	M		an..14	
	0128	Scenario version number	C		an..3	
	0130	Scenario release number	C		an..3	
	0051	Controlling agency, coded	C		an..3	

NOTES:

1. Data element S009/0057 is retained for upward compatibility. The use of S016 and/or S017 is encouraged in preference.

2. The combination of the values carried in data elements 0062 and S009 shall be used to identify uniquely the message within its group (if used) or if not used, within its interchange, for the purpose of acknowledgement.

UNO OBJECT HEADER

Function: To head, identify and specify an object.

Pos	TAG	Name	S	R	Repr.	Notes
010	0800	PACKAGE REFERENCE NUMBER	M	1	an..35	1
020	S020	REFERENCE IDENTIFICATION	M	99		2
	0813	Reference qualifier	M		an..3	
	0802	Reference identification number	M		an..35	
030	S021	OBJECT TYPE IDENTIFICATION	M	99		3
	0805	Object type qualifier	M		an..3	
	0809	Object type attribute identification	C		an..256	
	0808	Object type attribute	C		an..256	
	0051	Controlling agency, coded	C		an..3	
040	S022	STATUS OF THE OBJECT	M	1		
	0810	Length of object in octets of bits	M		n..18	
	0814	Number of segments before object	C		n..3	
	0070	Sequence of transfers	C		n..2	
	0073	First and last transfer	C		a1	
050	S302	DIALOGUE REFERENCE	C	1		4
	0300	Initiator control reference	M		an..35	
	0303	Initiator reference identification	C		an..35	
	0051	Controlling agency, coded	C		an..3	
	0304	Responder control reference	C		an..35	
060	S301	STATUS OF TRANSFER - INTERACTIVE	C	1		4
	0320	Sender sequence number	C		n..6	
	0323	Transfer position, coded	C		a1	
	0325	Duplicate Indicator	C		a1	
070	S300	DATE AND/OR TIME OF INITIATION	C	1		4
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	
	0336	Time offset	C		n4	
080	0035	TEST INDICATOR	C	1	n1	4

NOTES:

1. The value in 0800 shall be unique within the interchange (except for a duplicate transfer).

2. One mandatory occurrence of S020 shall identify the Object Identification Number.

3. One occurrence of S021 is mandatory and shall be used for file format identification.

4. Data elements S302, S301, S300 and 0035 are for interactive EDI use only:
   - The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.
   - 0035, when used, test applies to the message or package only.

UNP OBJECT TRAILER

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

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

NOTES:

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

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

UNS SECTION CONTROL

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

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

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

UNT MESSAGE TRAILER

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

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

NOTES:

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

UNZ INTERCHANGE TRAILER

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

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

NOTES:

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

USA SECURITY ALGORITHM

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

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

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

NOTES:

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

USB SECURED DATA IDENTIFICATION

Function: To contain details related to the AUTACK.

Pos	TAG	Name	S R	Repr.	Notes
010	0503	RESPONSE TYPE, CODED	M 1	an..3	
020	S501	SECURITY DATE AND TIME	C 1		
	0517	Date and time qualifier	M	an..3	
	0338	Event date	C	n..8	
	0314	Event time	C	an..15	
	0336	Time offset	C	n4	
030	S002	INTERCHANGE SENDER	M 1		
	0004	Interchange sender identification	M	an..35	
	0007	Identification code qualifier	C	an..4	
	0008	Interchange sender internal identification	C	an..35	
	0042	Interchange sender internal sub-identification	C	an..35	
040	S003	INTERCHANGE RECIPIENT	M 1		
	0010	Interchange recipient identification	M	an..35	
	0007	Identification code qualifier	C	an..4	
	0014	Interchange recipient internal identification	C	an..35	
	0046	Interchange recipient internal sub-identification	C	an..35	

USC CERTIFICATE

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

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

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

DEPENDENCY NOTES:

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

OTHER NOTES:

2. 0536, if a full certificate (including the USR segment) is not used, the only data elements of the certificate shall be a unique certificate reference made of: the certificate reference (0536), the S500 identifying the issuer certification authority or the S500 identifying the certificate owner, including its public key name. In the case of a non-EDIFACT certificate data element 0545 shall also be present.

3. S500/0538, identifies a public key: either of the owner of this certificate, or the public key related to the private key used by the certificate issuer (certification authority or CA) to sign this certificate.

4. 0507, the original character set encoding of the certificate when it was signed. If no value is specified, the character set encoding corresponds to that identified by the character set repertoire standard.

5. 0543, the original character set repertoire of the certificate when it was signed. If no value is specified, the default is defined in the interchange header.

6. S505, when this certificate is transferred, it will use the default service characters defined in part 1 of ISO 9735, or those defined in the service string advice, if used. This data element may specify the service characters used when the certificate was signed. If this data element is not used then they are the default service characters.

7. S501, dates and times involved in the certification process. Four occurrences of this composite data element are possible: one for the certificate generation date and time, one for the certificate start of validity period, one for the certificate end of validity period, one for revocation date and time.

USD DATA ENCRYPTION HEADER

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

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

USE SECURITY MESSAGE RELATION

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

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

USF KEY MANAGEMENT FUNCTION

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

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

USH SECURITY HEADER

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

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

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

NOTES:

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.

USL SECURITY LIST STATUS

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

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

USR SECURITY RESULT

Function: To contain the result of the security mechanisms.

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

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

NOTES:

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

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

UST SECURITY TRAILER

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

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

NOTES:

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

USU DATA ENCRYPTION TRAILER

Function: To provide a trailer for the encrypted data.

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

NOTES:

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

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

USX SECURITY REFERENCES

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

Pos	TAG	Name	S	R	Repr.	Notes
010	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	
020	S002	INTERCHANGE SENDER	C	1		
	0004	Interchange sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0008	Interchange sender internal identification	C		an..35	
	0042	Interchange sender internal				

		sub-identification	C		an..35	
030	S003	INTERCHANGE RECIPIENT	C	1		
	0010	Interchange recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
	0014	Interchange recipient internal identification	C		an..35	
	0046	Interchange recipient internal sub-identification	C		an..35	
040	0048	GROUP REFERENCE NUMBER	C	1	an..14	1,3
050	S006	APPLICATION SENDER IDENTIFICATION	C	1		1
	0040	Application sender identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
060	S007	APPLICATION RECIPIENT IDENTIFICATION	C	1		3
	0044	Application recipient identification	M		an..35	
	0007	Identification code qualifier	C		an..4	
070	0062	MESSAGE REFERENCE NUMBER	C	1	an..14	2,4
080	S009	MESSAGE IDENTIFIER	C	1		4
	0065	Message type	M		an..6	
	0052	Message version number	M		an..3	
	0054	Message release number	M		an..3	
	0051	Controlling agency, coded	M		an..3	
	0057	Association assigned code	C		an..6	
	0110	Code list directory version number	C		an..6	
	0113	Message type sub-function identification	C		an..6	
090	0800	PACKAGE REFERENCE NUMBER	C	1	an..35	2
100	S501	SECURITY DATE AND TIME	C	1		
	0517	Date and time qualifier	M		an..3	
	0338	Event date	C		n..8	
	0314	Event time	C		an..15	
	0336	Time offset	C		n4	

DEPENDENCY NOTES:

1. D5(050, 040) If first, then all

2. D1(070, 090) One and only one

3. D5(060, 040) If first, then all

4. D5(080, 070) If first, then all

USY SECURITY ON REFERENCES

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

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

```
DEPENDENCY NOTES:

1.  D3(020, 030) One or more
```

5.2 Service composite data element directory

5.2.1 Service composite data element specification legend:

POS The sequential position number of the component data element in the composite data element

TAG The tags of all service composite data elements contained in the composite data element directory start with the letter “S”, and the tags of all service simple data elements start with the figure “0”.

Name Name of a component data element in small letters

S The status of the component data element in the composite data element

(where M = Mandatory and C = Conditional)

Repr. Data value representation of the component data elements in the composite:

a	alphabetic characters
n	numeric characters
an	alphanumeric characters
a3	3 alphabetic characters, fixed length
n3	3 numeric characters, fixed length
an3	3 alphanumeric characters, fixed length
a..3	up to 3 alphabetic characters
n..3	up to 3 numeric characters
an..3	up to 3 alphanumeric characters

Desc. Description of the composite data element

5.2.2 Dependency note identifiers

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

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

5.2.3 Index of service composite data elements by tag

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

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

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

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

5.2.4 Index of service composite data elements by name

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

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

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

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

5.2.5 Service composite data element specifications

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

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

-------------------------------------------------------------------------------

    * S001  SYNTAX IDENTIFIER

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

POS   TAG    Name                                          S Repr.     Notes

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

-------------------------------------------------------------------------------

      S002  INTERCHANGE SENDER

      Desc: Identification of the sender of the interchange.

POS   TAG    Name                                          S Repr.     Notes

010   0004   Interchange sender identification             M an..35
020   0007   Identification code qualifier                 C an..4
030   0008   Interchange sender internal identification    C an..35
```

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

S003 INTERCHANGE RECIPIENT

Desc: Identification of the recipient of the interchange.

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

S004 DATE AND TIME OF PREPARATION

Desc: Date and time of preparation of the interchange.

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

S005 RECIPIENT REFERENCE/PASSWORD DETAILS

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

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

S006 APPLICATION SENDER IDENTIFICATION

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

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

S007 APPLICATION RECIPIENT IDENTIFICATION

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

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

X S008 MESSAGE VERSION

Desc: Specification of the version and release numbers of all of the messages of a single type in the group.

POS	TAG	Name	S	Repr.	Notes
010	0052	Message version number	M	an..3	
020	0054	Message release number	M	an..3	
030	0057	Association assigned code	C	an..6	

S009 MESSAGE IDENTIFIER

Desc: Identification of the type, version, etc. of the message being interchanged.

POS	TAG	Name	S	Repr.	Notes
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	
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	

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
010	0070	Sequence of transfers	M	n..2	
020	0073	First and last transfer	C	a1	

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
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 NOTES:

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.

S016 MESSAGE SUBSET IDENTIFICATION

Desc: Identification of a message subset by its identifier, version, release and source.

POS	TAG	Name	S	Repr.	Notes
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	

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
010	0121	Message implementation guideline identification	M	an..14	
020	0122	Message implementation guideline version number	C	an..3	
030	0124	Message implementation guideline release number	C	an..3	
040	0051	Controlling agency, coded	C	an..3	

S018 SCENARIO IDENTIFICATION

Desc: Identification of a scenario.

POS	TAG	Name	S	Repr.	Notes
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	

S020 REFERENCE IDENTIFICATION

Desc: Identification of the reference relating to the object.

POS	TAG	Name	S	Repr.	Notes
010	0813	Reference qualifier	M	an..3	
020	0802	Reference identification number	M	an..35	

S021 OBJECT TYPE IDENTIFICATION

Desc: Identification of the attribute related to the object type.

POS	TAG	Name	S	Repr.	Notes
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

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
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	

S300 DATE AND/OR TIME OF INITIATION

Desc: Date and/or time of event initiation.

POS	TAG	Name	S	Repr.	Notes
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

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
010	0320	Sender sequence number	C	n..6	1
020	0323	Transfer position, coded	C	a1	2
030	0325	Duplicate Indicator	C	a1	3

NOTES:

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.

S302 DIALOGUE REFERENCE

Desc: Unique reference for the dialogue between co-operating parties within the interactive EDI transaction.

POS	TAG	Name	S	Repr.	Notes
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

POS	TAG	Name	S	Repr.	Notes
040	0304	Responder control reference	C	an..35	

DEPENDENCY NOTES:

1. D5(030, 020) If first, then all

S303 TRANSACTION REFERENCE

Desc: Unique reference for the business transaction to which the dialogue belongs.

POS	TAG	Name	S	Repr.	Notes
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

S305 DIALOGUE IDENTIFICATION

Desc: Identification of the dialogue type being used for the interactive EDI transaction.

POS	TAG	Name	S	Repr.	Notes
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	

S306 INTERACTIVE MESSAGE IDENTIFIER

Desc: Identification of the type, version and details of the message being interchanged.

POS	TAG	Name	S	Repr.	Notes
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	

\# S307 STATUS INFORMATION

Desc: Reason for status or error report.

POS	TAG	Name	S	Repr.	Notes
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 NOTES:

2. 0332, defaults to English in the absence of a value in 0335.

S500 SECURITY IDENTIFICATION DETAILS

Desc: Identification of parties involved in the security process.

POS	TAG	Name	S	Repr.	Notes
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	
080	0586	Security party name	C	an..35	

DEPENDENCY NOTES:

1. D2(030, 040, 050) All or none

S501 SECURITY DATE AND TIME

Desc: Security related date and time.

POS	TAG	Name	S	Repr.	Notes
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	

| S502 SECURITY ALGORITHM

Desc: Identification of a security algorithm.

POS	TAG	Name	S	Repr.	Notes
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 NOTES:

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.

S503 ALGORITHM PARAMETER

Desc: Parameter required by a security algorithm.

POS	TAG	Name	S	Repr.	Notes
010	0531	Algorithm parameter qualifier	M	an..3	
020	0554	Algorithm parameter value	M	an..512	

S504 LIST PARAMETER

Desc: Identification of a parameter for a list request or delivery

POS	TAG	Name	S	Repr.	Notes
010	0575	List parameter qualifier	M	an..3	
020	0558	List parameter	M	an..70	

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
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
010	0563	Validation value qualifier	M	an..3	
020	0560	Validation value	C	an..1024	1

NOTES:

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

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

Tag	Name
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
X  0038   Message group identification
   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
   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
#  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 authorisation 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
    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 (in comparison with parts 1 to 9 of ISO 9735 published in 1998/99)

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

Tag	Name
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
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
X  0038   Message group identification
   0121   Message implementation guideline identification
   0124   Message implementation guideline release number
   0122   Message implementation guideline version number
   0062   Message reference number
   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
   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 authorisation level
  * 0560   Validation value
  # 0563   Validation value qualifier
```

5.3.5 Service simple data element specifications

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

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

```
   0001  Syntax identifier

   Desc: Coded identification of the agency controlling the syntax, and of the
         character repertoire used in an interchange.

   Repr: a4

   Note 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

   Note 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

   Note 1: Organisation code or name as agreed between interchange partners.
```

Note 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

Note 1: A qualifier code may refer to an organisation identification as in ISO 6523.

0008 Interchange sender internal identification

Desc: Identification (for example, 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

Note 1: Organisation code or name as agreed between interchange partners.
Note 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 (for example, 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

Note 1: Format is CCYYMMDD.

0019 Time

Desc: Local time of day when an interchange or a group was prepared.

Repr: n4

Note 1: Format is HHMM in 24 hour 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

Note 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

Note 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

Note 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

Note 1: To be used as specified in the partners' interchange agreement.

0031 Acknowledgement request

Desc: Code requesting acknowledgement for the interchange.

Repr: n1

Note 1: Used if the sender requests that a message related to syntactical correctness be sent by the recipient in response.
Note 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

Note 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

X 0038 Message group identification

Desc: Identification of the single message type in the group.

Repr: an..6

Note 1: This data element will be deleted from the next version of the standard. Therefore its use is not recommended.

0040 Application sender identification

Desc: Name or coded identification of the application sender (for example, 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 (for example, 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

Note 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

Note 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

Note 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

Note 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

Note 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: Organisation 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

Note 1: Format is HHMMSS ... with up to 9 more digits of precision. A 'Z' as the last character indicates UTC time. (ISO 8601)

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

Note 1: The code list for this data element is maintained by ISO (ISO 639).

0336 Time offset

Desc: UTC (Universal Co-ordinated Time) offset from event time.

Repr: n4

Note 1: Format is HHMM. Shall be prefixed with '-' for negative offsets. (ISO 8601)

0338 Event date

Desc: Date of event.

Repr: n..8

Note 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
   Note 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

Note 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..35

0538 Key name

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

Repr: an..35

0541 Scope of security application, coded

Desc: Specification of the scope of application of the security service defined in the security header.

Repr: an..3

Note 1: It defines the data that have to be taken into account by the related cryptographic process.

0543 Certificate original character set repertoire, coded

Desc: Identification of the character set repertoire used to create the certificate it was signed.

Repr: an..3

0545 Certificate syntax and version, coded

Desc: Coded identification of the syntax and version used to create the certificate.

Repr: an..3

0546 User authorisation level

Desc: Specification of the authorisation level associated with the owner of the certificate.

Repr: an..35

0548 Service character for signature

Desc: Service character used when the signature was computed.

Repr: an..4

Note 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.

0551 Service character for signature qualifier

Desc: Identification of the type of service character used when the signature was computed.

Repr: an..3

0554 Algorithm parameter value

Desc: Value of a parameter required by the algorithm.

Repr: an..512

Note 1: If necessary, this value shall be filtered by an appropriate filter function. Note that key names do not need to be filtered.

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

Note 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

Note 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.

0572 Certificate sequence number

Desc: Specification of a certificate's position within a certification path.

Repr: n..4

Note 1: Allows certification paths to be ordered by specifying the ordinal number of the certificate within a certification path.

0575 List parameter qualifier

Desc: Specification of the type of list parameter.

Repr: an..3

0577 Security party qualifier

Desc: Identification of the role of the security party.

Repr: an..3

0579 Key management function qualifier

Desc: Specification of the type of key management function.

Repr: an..3

0582 Number of padding bytes

Desc: Count of the number of padding bytes.

Repr: n..2

0586 Security party name

Desc: Name of the security party.

Repr: an..35

0588 Number of security segments

Desc: The number of security segments in a security header/trailer group pair, plus the USD and USU segments where the security header/trailer group pair is used for encryption.

Repr: n..10

Note 1: Each security header/trailer group pair shall contain its own count of the number of security segments within that group pair.

Note 2: The count of the number of security segments includes the USR segment in the security trailer.

0591 Padding mechanism, coded

Desc: Padding mechanism or padding scheme applied.

Repr: an..3

0601 Padding mechanism code list identifier

Desc: Specification of the code list used to identify the padding mechanism or padding scheme.

Repr: an..3

0800 Package reference number

Desc: Unique package reference number assigned by the sender.

Repr: an..35

0802 Reference identification number

Desc: Reference number to identify a message, message group and/or interchange, which relates to the object.

Repr: an..35

0805 Object type qualifier

Desc: Qualifier referring to the type of object.

Repr: an..3

0808 Object type attribute

Desc: The attribute applying to the object type.

Repr: an..256

0809 Object type attribute identification

Desc: Coded identification of the attribute applying to the object type.

Repr: an..256

0810 Length of object in octets of bits

Desc: Count of the number of octets of bits in the object.

Repr: n..18

Note 1: The count shall exclude the segment terminator of the preceding

```
           EDIFACT structured segment and the first character ('U') of the
           following EDIFACT structured segment.
-------------------------------------------------------------------------------

   0813  Reference qualifier

   Desc: Code giving specific meaning to a reference identification number.

   Repr: an..3

-------------------------------------------------------------------------------

   0814  Number of segments before object

   Desc: A count of the number of segments appearing between the UNO segment
         and the start of the object.

   Repr: n..3
```

6 Syntax service code list directory

The syntax service code list directory is maintained by the UN/CEFACT and is part of the UN Trade Data Interchange Directory (UNTDID) and as such is not reproduced in this part of ISO 9735. The most recent version of the syntax service code list directory should be used to reference the code values for the coded data elements in the service simple data element directory (see 5.3).

The syntax service code list directory can be downloaded from the JSWG (Joint Syntax Working Group) web site (www.gefeg.com/jswg). To assist users of the ISO 9735 standard however, a ‘snapshot’ of the syntax service code list directory current at the time of preparation of this part of ISO 9735 has been included as informative annex A within this part.

Annex A
(informative)

'Snapshot' of the syntax service code list directory

A.1 General

In order to illustrate the usage of the coded data elements shown in the service simple data elements directory, there follows a 'snapshot' of the current release (release 40005) of the ISO 9735/Version 4 syntax service code list directory.

The syntax service code list directory is maintained by the codes sub-working group (SWG 4) of the Joint Syntax Working Group (JSWG). Currently, the directory is updated bi-annually at the same time as the UN/CEFACT user directory set.

The ISO 9735 syntax service code list directory is published on the JSWG web page (www.gefeg.com/jswg).

A.2 Code lists

```
     Change indicators (in comparison with release 40004 of the syntax service code
                        list)

     a plus sign (+)    for an addition
     an asterisk (*)    for an addition/subtraction/change to an entry
                        for a particular data element
     a hash sign (#)    for changes to names
     a vertical bar (|) for changes to text for descriptions,
                        notes and functions
     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

  Note 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.

   UNOA   UN/ECE level A
             As defined in the basic code table of ISO 646 with the
             exceptions of lower case letters, alternative graphic
             character allocations and national or
             application-oriented graphic character allocations.

   UNOB   UN/ECE level B
             As defined in the basic code table of ISO 646 with the
             exceptions of alternative graphic character allocations
             and national or application-oriented graphic character
             allocations.

   UNOC   UN/ECE level C
```

```
            As defined in ISO 8859-1 : Information processing - Part
            1: Latin alphabet No. 1.

   UNOD   UN/ECE level D
            As defined in ISO 8859-2 : Information processing - Part
            2: Latin alphabet No. 2.

   UNOE   UN/ECE level E
            As defined in ISO 8859-5 : Information processing - Part
            5: Latin/Cyrillic alphabet.

   UNOF   UN/ECE level F
            As defined in ISO 8859-7 : Information processing - Part
            7: Latin/Greek alphabet.

   UNOG   UN/ECE level G
            As defined in ISO 8859-3 : Information processing - Part
            3: Latin alphabet.

   UNOH   UN/ECE level H
            As defined in ISO 8859-4 : Information processing - Part
            4: Latin alphabet.

   UNOI   UN/ECE level I
            As defined in ISO 8859-6 : Information processing - Part
            6: Latin/Arabic alphabet.

   UNOJ   UN/ECE level J
            As defined in ISO 8859-8 : Information processing - Part
            8: Latin/Hebrew alphabet.

   UNOK   UN/ECE level K
            As defined in ISO 8859-9 : Information processing - Part
            9: Latin alphabet.

   UNOX   UN/ECE level X
            Code extension technique as defined by ISO 2022 utilising
            the escape techniques in accordance with ISO 2375.

   UNOY   UN/ECE level Y
            ISO 10646-1 octet without code extension technique.
-----------------------------------------------------------------------

  0002  Syntax version number

  Desc: Version number of the syntax.

  Repr: an1

  Note 1: Shall be '4' to indicate this version of the syntax.

   1      Version 1
            ISO 9735:1988.
   2      Version 2
            ISO 9735:1990.
   3      Version 3
            ISO 9735 Amendment 1:1992.
   4      Version 4
            ISO 9735:1998.
-----------------------------------------------------------------------

  0007  Identification code qualifier

  Desc: Qualifier referring to the identification code.
```

Repr: an..4

Note 1: A qualifier code may refer to an organisation identification as in ISO 6523.

1 DUNS (Data Universal Numbering System)
Partner identification code assigned by Dun & Bradstreet.

4 IATA (International Air Transport Association)
Partner identification code assigned by the International Air Transport Association.

5 INSEE (Institut National de la Statistique et des Etudes Economiques) - SIRET
French national statistics institute. SIRET means Systeme Informatique du Repertoire des entreprises et de leurs ETablissements.

8 UCC Communications ID (Uniform Code Council Communications Identifier)
The Uniform Code Council Communications Identifier is a ten digit code used to uniquely identify physical and logical locations.

9 DUNS (Data Universal Numbering System) with 4 digit suffix
Partner identification code assigned by Dun & Bradstreet with the 4 digit suffix.

12 Telephone number
Partner identification code corresponds to the partner telephone number.

14 EAN (European Article Numbering Association)
Partner identification code assigned by the European Article Numbering Association.

18 AIAG (Automotive Industry Action Group)
Partner identification code assigned by the Automotive Industry Action Group.

22 INSEE (Institut National de la Statistique et des Etudes Economiques) - SIREN
French national statistics institute. SIREN means Systeme Informatique du Repertoire des ENtreprises (et de leurs etablissements).

30 ISO 6523: Organization identification
Partner identification code specified in ISO 6523 (Structures for the identification of organizations).

31 DIN (Deutsches Institut fuer Normung)
German standardization institute.

33 BfA (Bundesversicherungsanstalt fuer Angestellte)
German social security association.

34 National Statistical Agency
Partner identification code assigned by a national statistical agency.

51 GEIS (General Electric Information Services)
Partner identification code assigned by General Electric Information Services.

52 INS (IBM Network Services)
Partner identification code assigned by IBM Network Services.

53 Datenzentrale des Einzelhandels
German data centre for retail trade.

54 Bundesverband der Deutschen Baustoffhaendler
German building material trade association.

55 Bank identifier code
Partner identification code corresponds to the partner bank identification code.

57 KTNet (Korea Trade Network Services)

Partner identification code assigned by Korea Trade Network Services.

58 UPU (Universal Postal Union)
Partner identification code assigned by the Universal Postal Union.

59 ODETTE (Organization for Data Exchange through Tele-Transmission in Europe)
European automotive industry project.

61 SCAC (Standard Carrier Alpha Code)
Directory of standard multimodal carriers and tariff agent codes. The SCAC lists and codes transportation companies.

63 ECA (Electronic Commerce Australia)
Australian association for electronic commerce.

65 TELEBOX 400 (Deutsche Telekom)
German telecommunications service.

80 NHS (National Health Service)
United Kingdom National Health Service.

82 Statens Teleforvaltning
Norwegian telecommunications regulatory authority (NTRA).

84 Athens Chamber of Commerce
Greek Chamber of Commerce.

85 Swiss Chamber of Commerce
Swiss Chamber of Commerce.

86 US Council for International Business
United States Council for International Business.

87 National Federation of Chambers of Commerce and Industry
Belgium National Federation of Chambers of Commerce and Industry.

89 Association of British Chambers of Commerce
Association of British Chambers of Commerce.

90 SITA (Societe Internationale de Telecommunications Aeronautiques)
SITA (Societe Internationale de Telecommunications Aeronautiques).

91 Assigned by seller or seller's agent
Partner identification code assigned by the seller or seller's agent.

92 Assigned by buyer or buyer's agent
Partner identification code assigned by the buyer or buyer's agent.

103 TW, Trade-van
Trade-van is an EDI VAN service center for customs, transport, and insurance in national and international trade.

128 CH, BCNR (Swiss Clearing Bank Number)
Code for the identification of a Swiss clearing bank as a sender and/or receiver of an electronic message.

129 CH, BPI (Swiss Business Partner Identification)
Code for the identification of a corporate or a Swiss non-clearing bank as a sender and/or receiver of an electronic message.

144 US, DoDAAC (Department of Defense Activity Address Code)
Code assigned to uniquely identify all military units in the United States Department of Defense.

145 FR, DGCP (Direction Generale de la Comptabilite Publique)
Code assigned by the French public accounting office.

146 FR, DGI (Direction Generale des Impots)
Code assigned by the French taxation authority.

147 JP, JIPDEC/ECPC (Japan Information Processing Development

```
          Corporation / Electronic Commerce Promotion Center)
             Partner identification code which is registered with
             JIPDEC/ECPC.
   148    ITU (International Telecommunications Union) Data Network
          Identification Code (DNIC)
             Data network identification code assigned by the ITU.
   ZZZ    Mutually defined
             Mutually defined between trading partners.
```

```
  0025  Recipient reference/password qualifier

  Desc: Qualifier for the recipient's reference or password.

  Repr: an2

  Note 1: To be used as specified in the partners' interchange
          agreement.

   AA     Reference
             Recipient's reference/password is a reference.
   BB     Password
             Recipient's reference/password is a password.
```

```
  0029  Processing priority code

  Desc: Code determined by the sender requesting processing priority
        for the interchange.

  Repr: a1

  Note 1: To be used as specified in the partners' interchange
          agreement.

   A      Highest priority
             Requested processing priority is the highest.
```

```
  0031  Acknowledgement request

  Desc: Code requesting acknowledgement for the interchange.

  Repr: n1

  Note 1: Used if the sender requests that a message related to
          syntactical correctness be sent by the recipient in
          response.

  Note 2: For UN/EDIFACT a specific message (Syntax and service report
          - CONTRL) is defined for this purpose.

   1      Acknowledgement requested
             Acknowledgement is requested.

   2      Indication of receipt
             Confirmation of receipt only.
```

```
  0035  Test indicator

  Desc: Indication that the structural level containing the test
        indicator is a test.
```

```
  Repr: n1

   1      Interchange is a test
             Indicates that the interchange is a test.
   2      Syntax only test
             Test only syntax of structure.
   3      Echo request
             To be returned without change, except for this data
             element to have the value 4.
   4      Echo response
             Returned without change except for this data element
             changing from 3 to 4.

------------------------------------------------------------------------

  0051  Controlling agency, coded

  Desc: Code identifying a controlling agency.

  Repr: an..3

   AA     EDICONSTRUCT
             French construction project.
   AB     DIN (Deutsches Institut fuer Normung)
             German standardization institute.
   AC     ICS (International Chamber of Shipping)
             The International Chamber of Shipping.
   AD     UPU (Union Postale Universelle)
             Universal Postal Union.
   AE     United Kingdom ANA (Article Numbering Association)
             Identifies the Article Numbering Association of the
             United Kingdom.
   AF     ANSI ASC X12 (American National Standard Institute
          Accredited Standards Committee X12)
             Identifies the United States electronic data interchange
             standards body.
   AG     US DoD (United States Department of Defense)
             The United States Department of Defense is the entity
             controlling the message specification.
   AH     US Federal Government
             The United States Federal Government is the entity
             controlling the message specification.
   AI     EDIFICAS
             European EDI association for financial, informational,
             cost, accounting, auditing and social areas.
   CC     CCC (Customs Co-operation Council)
             The Customs Co-operation Council.
   CE     CEFIC (Conseil Europeen des Federations de l'Industrie
          Chimique)
             EDI project for chemical industry.
   EC     EDICON
             UK Construction project.
   ED     EDIFICE (Electronic industries project)
             EDI Forum for companies with Interest in Computing and
             Electronics (EDI project for EDP/ADP sector).
   EE     EC + EFTA (European Communities and European Free Trade
          Association)
             The European Communities and the European Free Trade
             Association.
   EN     EAN (European Article Numbering Association)
             The European Article Numbering Association.
   ER     UIC (International Union of railways)
```

```
            European railways.
   EU       European Union
            The European Union.
   EW       UN/EDIFACT Working Group (EWG)
            United Nations working group responsible for UN/EDIFACT
            (United Nations, Electronic Data Interchange for
            Administration, Commerce and Transport).
   EX       IECC (International Express Carriers Conference)
            The International Express Carriers Conference.
   IA       IATA (International Air Transport Association)
            The International Air Transport Association.
   KE       KEC (Korea EDIFACT Committee)
            The Korea EDIFACT Committee.
   LI       LIMNET
            UK Insurance project.
   OD       ODETTE (Organization for Data Exchange through
            Tele-Transmission in Europe)
            European automotive industry project.
   RI       RINET (Reinsurance and Insurance Network)
            The Reinsurance and Insurance Network.
   RT       UN/ECE/TRADE/WP.4/GE.1/EDIFACT Rapporteurs' Teams
            United Nations Economic UN Economic Commission for Europe
            (UN/ECE), Committee on the development of trade (TRADE),
            Working Party on facilitation of international trade
            procedures (WP.4), Group of Experts on data elements and
            automatic data interchange (GE.1), EDIFACT Rapporteurs'
            Teams.
   UN       UN/CEFACT
            United Nations Centre for Trade Facilitation and
            Electronic Business (UN/CEFACT).

-------------------------------------------------------------------------

  0052  Message version number

  Desc: Version number of a message type.

  Repr: an..3

   1       Status 1 version
           Message approved and issued as a status 1 (trial)
           message. (Valid for directories published after March
           1990 and prior to March 1993).
   2       Status 2 version
           Message approved and issued as a status 2 (formal
           recommendation) message. (Valid for directories published
           after March 1990 and prior to March 1993).
   4       Service message, version 4
           Service messages approved and issued as a part of ISO
           9735/Version 4, for use with that version of the syntax.
           Note:
           1. For earlier versions of the UN/EDIFACT CONTRL message,
           each published by the UN as a stand-alone message, the
           version number to be used is specified in the message
           documentation.
   88      1988 version
           Message approved and issued in the 1988 release of the
           UNTDID (United Nations Trade Data Interchange Directory)
           as a status 2 (formal recommendation) message.
   89      1989 version
           Message approved and issued in the 1989 release of the
```

```
            UNTDID (United Nations Trade Data Interchange Directory)
            as a status 2 (formal recommendation) message.
   90       1990 version
            Message approved and issued in the 1990 release of the
            UNTDID (United Nations Trade Data Interchange Directory)
            as a status 2 (formal recommendation) message.
   D        Draft version/UN/EDIFACT Directory
            Message approved and issued as a draft message (Valid for
            directories published after March 1993 and prior to March
            1997). Message approved as a standard message (Valid for
            directories published after March 1997).
   S        Standard version
            Message approved and issued as a standard message. (Valid
            for directories published after March 1993 and prior to
            March 1997).

-------------------------------------------------------------------------

* 0054  Message release number

  Desc: Release number within the current message version number.

  Repr: an..3

   1       First release
            User message approved and issued in the first release of
            the year of the UNTDID (United Nations Trade Data
            Interchange Directory); valid for directories published
            prior to March 1990. Service message approved and issued
            as the first release of the message within a version of
            ISO 9735; valid for version 4 of IS0 9735 and later.
   2        Second release
            User message approved and issued in the second release of
            the year of the UNTDID (United Nations Trade Data
            Interchange Directory); valid for directories published
            prior to March 1990.  Service message approved and issued
            as the second release of the message within a version of
            ISO 9735; valid for version 4 of IS0 9735 and later.
   902      Trial release 1990
            Message approved and issued in the 1990 status 1 (trial)
            release of the UNTDID (United Nations Trade Data
            Interchange Directory).
   911      Trial release 1991
            Message approved and issued in the 1991 status 1 (trial)
            release of the UNTDID (United Nations Trade Data
            Interchange Directory).
   912      Standard release 1991
            Message approved and issued in the 1991 status 2
            (standard) release of the UNTDID (United Nations Trade
            Data Interchange Directory).
   921      Trial release 1992
            Message approved and issued in the 1992 status 1 (trial)
            release of the UNTDID (United Nations Trade Data
            Interchange Directory).
   932      Standard release 1993
            Message approved and issued in the 1993 status 2
            (standard) release of the UNTDID (United Nations Trade
            Data Interchange Directory).
   00A      Release 2000 - A
            Message approved and issued in the first 2000 release of
            the UNTDID (United Nations Trade Data Interchange
```

Directory).

00B Release 2000 - B
Message approved and issued in the second 2000 release of the UNTDID (United Nations Trade Data Interchange Directory).

01A Release 2001 - A
Message approved and issued in the first 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).

\+ 01B Release 2001 - B
Message approved and issued in the second 2001 release of the UNTDID (United Nations Trade Data Interchange Directory).

93A Release 1993 - A
Message approved and issued in the 1993 release of the UNTDID (United Nations Trade Data Interchange Directory).

94A Release 1994 - A
Message approved and issued in the first 1994 release of the UNTDID (United Nations Trade Data Interchange Directory).

94B Release 1994 - B
Message approved and issued in the second 1994 release of the UNTDID (United Nations Trade Data Interchange Directory).

95A Release 1995 - A
Message approved and issued in the first 1995 release of the UNTDID (United Nations Trade Data Interchange Directory).

95B Release 1995 - B
Message approved and issued in the second 1995 release of the UNTDID (United Nations Trade Data Interchange Directory).

96A Release 1996 - A
Message approved and issued in the first 1996 release of the UNTDID (United Nations Trade Data Interchange Directory).

96B Release 1996 - B
Message approved and issued in the second 1996 release of the UNTDID (United Nations Trade Data Interchange Directory).

97A Release 1997 - A
Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).

97B Release 1997 - B
Message approved and issued in the second 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).

98A Release 1998 - A
Message approved and issued in the first 1998 release of the UNTDID (United Nations Trade Data Interchange Directory).

98B Release 1998 - B
Message approved and issued in the second 1998 release of the UNTDID (United Nations Trade Data Interchange Directory).

99A Release 1999 - A
Message approved and issued in the first 1999 release of the UNTDID (United Nations Trade Data Interchange Directory).

```
   99B    Release 1999 - B
             Message approved and issued in the second 1999 release of
             the UNTDID (United Nations Trade Data Interchange
             Directory).

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  0065  Message type

  Desc: Code identifying a type of message and assigned by its
        controlling agency.

  Repr: an..6

  Note 1: In UNSMs (United Nations Standard Messages), the
          representation is a6.

   APERAK Application error and acknowledgement message
             A code to identify the application error and
             acknowledgement message.
   AUTACK Secure authentication and acknowledgement message
             A code to identify the secure authentication and
             acknowledgement message.
   AUTHOR Authorization message
             A code to identify the authorization message.
   AVLREQ Availability request - interactive message
             A code to identify the availability request - interactive
             message.
   AVLRSP Availability response - interactive message
             A code to identify the availability response -
             interactive message.
   BALANC Balance message
             A code to identify the balance message.
   BANSTA Banking status message
             A code to identify the banking status message.
   BAPLIE Bayplan/stowage plan occupied and empty locations message
             A code to identify the bayplan/stowage plan occupied and
             empty locations message.
X  BAPLTE Bayplan/stowage plan total numbers message
             A code to identify the bayplan/stowage plan total numbers
             message.
          Note:
             1. This code value will be removed effective with the
             first release of the service code list in 2003.
   BERMAN Berth management message
             A code to identify the berth management message.
   BMISRM Bulk marine inspection summary report message
             A code to identify the bulk marine inspection summary
             report message.
   BOPBNK Bank transactions and portfolio transactions report message
             A code to identify the bank transactions and portfolio
             transactions report message.
   BOPCUS Balance of payment customer transaction report message
             A code to identify the balance of payment customer
             transaction report message.
   BOPDIR Direct balance of payment declaration message
             A code to identify the direct balance of payment
             declaration message.
   BOPINF Balance of payment information from customer message
             A code to identify the balance of payment information
             from customer message.
   BUSCRD Business credit report message
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          A code to identify the business credit report message.
CALINF Vessel call information message
          A code to identify the vessel call information message.
CASINT Request for legal administration action in civil proceedings
       message
          A code to identify the request for legal administration
          action in civil proceedings message.
CASRES Legal administration response in civil proceedings message
          A code to identify the legal administration response in
          civil proceedings message.
CHACCO Chart of accounts message
          A code to identify the chart of accounts message.
CLASET Classification information set message
          A code to identify the classification information set
          message.
CNTCND Contractual conditions message
          A code to identify the contractual conditions message.
COACSU Commercial account summary message
          A code to identify the commercial account summary
          message.
COARRI Container discharge/loading report message
          A code to identify the container discharge/loading report
          message.
CODECO Container gate-in/gate-out report message
          A code to identify the container gate-in/gate-out report
          message.
CODENO Permit expiration/clearance ready notice message
          A code to identify the permit expiration/clearance ready
          notice message.
COEDOR Container stock report message
          A code to identify the container stock report message.
COHAOR Container special handling order message
          A code to identify the container special handling order
          message.
COLREQ Request for a documentary collection message
          A code to identify the request for a documentary
          collection message.
COMDIS Commercial dispute message
          A code to identify the commercial dispute message.
CONAPW Advice on pending works message
          A code to identify the advice on pending works message.
CONDPV Direct payment valuation message
          A code to identify the direct payment valuation message.
CONDRA Drawing administration message
          A code to identify the drawing administration message.
CONDRO Drawing organisation message
          A code to identify the drawing organisation message.
CONEST Establishment of contract message
          A code to identify the establishment of contract message.
CONITT Invitation to tender message
          A code to identify the invitation to tender message.
CONPVA Payment valuation message
          A code to identify the payment valuation message.
CONQVA Quantity valuation message
          A code to identify the quantity valuation message.
CONRPW Response of pending works message
          A code to identify the response of pending works message.
CONTEN Tender message
          A code to identify the tender message.
CONTRL Syntax and service report message
```

```
          A code to identify the syntax and service report message.
CONWQD Work item quantity determination message
          A code to identify the work item quantity determination
          message.
COPARN Container announcement message
          A code to identify the container announcement message.
COPAYM Contributions for payment
          A code to identify the contributions for payment.
COPINO Container pre-notification message
          A code to identify the container pre-notification
          message.
COPRAR Container discharge/loading order message
          A code to identify the container discharge/loading order
          message.
COREOR Container release order message
          A code to identify the container release order message.
COSTCO Container stuffing/stripping confirmation message
          A code to identify the container stuffing/stripping
          confirmation message.
COSTOR Container stuffing/stripping order message
          A code to identify the container stuffing/stripping order
          message.
CREADV Credit advice message
          A code to identify the credit advice message.
CREEXT Extended credit advice message
          A code to identify the extended credit advice message.
CREMUL Multiple credit advice message
          A code to identify the multiple credit advice message.
CUSCAR Customs cargo report message
          A code to identify the customs cargo report message.
CUSDEC Customs declaration message
          A code to identify the customs declaration message.
CUSEXP Customs express consignment declaration message
          A code to identify the customs express consignment
          declaration message.
CUSPED Periodic customs declaration message
          A code to identify the periodic customs declaration
          message.
CUSREP Customs conveyance report message
          A code to identify the customs conveyance report message.
CUSRES Customs response message
          A code to identify the customs response message.
DEBADV Debit advice message
          A code to identify the debit advice message.
DEBMUL Multiple debit advice message
          A code to identify the multiple debit advice message.
DEBREC Debts recovery message
          A code to identify the debts recovery message.
DELFOR Delivery schedule message
          A code to identify the delivery schedule message.
DELJIT Delivery just in time message
          A code to identify the delivery just in time message.
DESADV Despatch advice message
          A code to identify the despatch advice message.
DESTIM Equipment damage and repair estimate message
          A code to identify the equipment damage and repair
          estimate message.
DGRECA Dangerous goods recapitulation message
          A code to identify the dangerous goods recapitulation
          message.
```

DIRDEB Direct debit message
A code to identify the direct debit message.
DIRDEF Directory definition message
A code to identify the directory definition message.
DMRDEF Data maintenance request definition message
A code to identify the data maintenance request definition message.
DMSTAT Data maintenance status report/query message
A code to identify the data maintenance status report/query message.
DOCADV Documentary credit advice message
A code to identify the documentary credit advice message.
DOCAMA Advice of an amendment of a documentary credit message
A code to identify the advice of an amendment of a documentary credit message.
DOCAMI Documentary credit amendment information message
A code to identify the documentary credit amendment information message.
DOCAMR Request for an amendment of a documentary credit message
A code to identify the request for an amendment of a documentary credit message.
DOCAPP Documentary credit application message
A code to identify the documentary credit application message.
DOCARE Response to an amendment of a documentary credit message
A code to identify the response to an amendment of a documentary credit message.
DOCINF Documentary credit issuance information message
A code to identify the documentary credit issuance information message.
ENTREC Accounting entries message
A code to identify the accounting entries message.
FINCAN Financial cancellation message
A code to identify the financial cancellation message.
FINPAY Multiple interbank funds transfer message
A code to identify the multiple interbank funds transfer message.
FINSTA Financial statement of an account message
A code to identify the financial statement of an account message.
GENRAL General purpose message
A code to identify the general purpose message.
GESMES Generic statistical message
A code to identify the generic statistical message.
HANMOV Cargo/goods handling and movement message
A code to identify the cargo/goods handling and movement message.
ICASRP Insurance claim assessment and reporting message
A code to identify the insurance claim assessment and reporting message.
ICSOLI Insurance claim solicitor’s instruction message
A code to identify the insurance claim solicitor’s instruction message.
IFCSUM Forwarding and consolidation summary message
A code to identify the forwarding and consolidation summary message.
IFTCCA Forwarding and transport shipment charge calculation message
A code to identify the forwarding and transport shipment charge calculation message.
IFTDGN Dangerous goods notification message

A code to identify the dangerous goods notification message.

IFTFCC International transport freight costs and other charges message

A code to identify the international transport freight costs and other charges message.

X IFTIAG Dangerous cargo list message

A code to identify the dangerous cargo list message.

Note:

1. This code value will be removed effective with the first release of the service code list in 2003.

IFTICL Cargo insurance claims message

A code to identify the cargo insurance claims message.

IFTMAN Arrival notice message

A code to identify the arrival notice message.

IFTMBC Booking confirmation message

A code to identify the booking confirmation message.

IFTMBF Firm booking message

A code to identify the firm booking message.

IFTMBP Provisional booking message

A code to identify the provisional booking message.

IFTMCA Consignment advice message

A code to identify the consignment advice message.

IFTMCS Instruction contract status message

A code to identify the instruction contract status message.

IFTMIN Instruction message

A code to identify the instruction message.

IFTRIN Forwarding and transport rate information message

A code to identify the forwarding and transport rate information message.

IFTSAI Forwarding and transport schedule and availability information message

A code to identify the forwarding and transport schedule and availability information message.

IFTSTA International multimodal status report message

A code to identify the international multimodal status report message.

IFTSTQ International multimodal status request message

A code to identify the international multimodal status request message.

IHCLME Health care claim or encounter request and response - interactive message

A code to identify the health care claim or encounter request and response - interactive message.

IMPDEF EDI implementation guide definition message

A code to identify the EDI implementation guide definition message.

INFCON Infrastructure condition message

A code to identify the infrastructure condition message.

INFENT Enterprise accounting information message

A code to identify the enterprise accounting information message.

INSDES Instruction to despatch message

A code to identify the instruction to despatch message.

INSPRE Insurance premium message

A code to identify the insurance premium message.

INSREQ Inspection request message

A code to identify the inspection request message.

INSRPT Inspection report message

A code to identify the inspection report message.
INVOIC Invoice message
A code to identify the invoice message.
INVRPT Inventory report message
A code to identify the inventory report message.
IPPOAD Insurance policy administration message
A code to identify the insurance policy administration message.
IPPOMO Motor insurance policy message
A code to identify the motor insurance policy message.
ISENDS Intermediary system enablement or disablement message
A code to identify the intermediary system enablement or disablement message.
ITRRPT In transit report detail message
A code to identify the in transit report detail message.
JAPRES Job application result message
A code to identify the job application result message.
JINFDE Job information demand message
A code to identify the job information demand message.
JOBAPP Job application proposal message
A code to identify the job application proposal message.
JOBCON Job order confirmation message
A code to identify the job order confirmation message.
JOBMOD Job order modification message
A code to identify the job order modification message.
JOBOFF Job order message
A code to identify the job order message.
JUPREQ Justified payment request message
A code to identify the justified payment request message.
KEYMAN Security key and certificate management message
A code to identify the security key and certificate management message.
LEDGER Ledger message
A code to identify the ledger message.
LREACT Life reinsurance activity message
A code to identify the life reinsurance activity message.
LRECLM Life reinsurance claims message
A code to identify the life reinsurance claims message.
MEDPID Person identification message
A code to identify the person identification message.
MEDPRE Medical prescription message
A code to identify the medical prescription message.
MEDREQ Medical service request message
A code to identify the medical service request message.
MEDRPT Medical service report message
A code to identify the medical service report message.
MEDRUC Medical resource usage and cost message
A code to identify the medical resource usage and cost message.
MEQPOS Means of transport and equipment position message
A code to identify the means of transport and equipment position message.
MOVINS Stowage instruction message
A code to identify the stowage instruction message.
MSCONS Metered services consumption report message
A code to identify the metered services consumption report message.
ORDCHG Purchase order change request message
A code to identify the purchase order change request message.

ORDERS Purchase order message
A code to identify the purchase order message.
ORDRSP Purchase order response message
A code to identify the purchase order response message.
OSTENQ Order status enquiry message
A code to identify the order status enquiry message.
OSTRPT Order status report message
A code to identify the order status report message.
PARTIN Party information message
A code to identify the party information message.
PASREQ Travel, tourism and leisure product application status request - interactive message
A code to identify the travel, tourism and leisure product application status request - interactive message.
PASRSP Travel, tourism and leisure product application status response - interactive message
A code to identify the travel, tourism and leisure product application status response - interactive message.
PAXLST Passenger list message
A code to identify the passenger list message.
PAYDUC Payroll deductions advice message
A code to identify the payroll deductions advice message.
PAYEXT Extended payment order message
A code to identify the extended payment order message.
PAYMUL Multiple payment order message
A code to identify the multiple payment order message.
PAYORD Payment order message
A code to identify the payment order message.
PRICAT Price/sales catalogue message
A code to identify the price/sales catalogue message.
PRIHIS Pricing history message
A code to identify the pricing history message.
PROCST Project cost reporting message
A code to identify the project cost reporting message.
PRODAT Product data message
A code to identify the product data message.
PRODEX Product exchange reconciliation message
A code to identify the product exchange reconciliation message.
PROINQ Product inquiry message
A code to identify the product inquiry message.
PROSRV Product service message
A code to identify the product service message.
PROTAP Project tasks planning message
A code to identify the project tasks planning message.
PRPAID Insurance premium payment message
A code to identify the insurance premium payment message.
QALITY Quality data message
A code to identify the quality data message.
QUOTES Quote message
A code to identify the quote message.
RDRMES Raw data reporting message
A code to identify the raw data reporting message.
REBORD Reinsurance bordereau message
A code to identify the reinsurance bordereau message.
RECADV Receiving advice message
A code to identify the receiving advice message.
RECALC Reinsurance calculation message
A code to identify the reinsurance calculation message.

RECECO Credit risk cover message
A code to identify the credit risk cover message.
RECLAM Reinsurance claims message
A code to identify the reinsurance claims message.
RECORD Reinsurance core data message
A code to identify the reinsurance core data message.
REGENT Registration of enterprise message
A code to identify the registration of enterprise message.
RELIST Reinsured objects list message
A code to identify the reinsured objects list message.
REMADV Remittance advice message
A code to identify the remittance advice message.
REPREM Reinsurance premium message
A code to identify the reinsurance premium message.
REQDOC Request for document message
A code to identify the request for document message.
REQOTE Request for quote message
A code to identify the request for quote message.
RESETT Reinsurance settlement message
A code to identify the reinsurance settlement message.
RESMSG Reservation message
A code to identify the reservation message.
RESREQ Reservation request - interactive message
A code to identify the reservation request - interactive message.
RESRSP Reservation response - interactive message
A code to identify the reservation response - interactive message.
RETACC Reinsurance technical account message
A code to identify the reinsurance technical account message.
RETANN Announcement for returns message
A code to identify the announcement for returns message.
RETINS Instruction for returns message
A code to identify the instruction for returns message.
RPCALL Repair call message
A code to identify the repair call message.
SAFHAZ Safety and hazard data message
A code to identify the safety and hazard data message.
SANCRT International movement of goods governmental regulatory message
A code to identify the international movement of goods governmental regulatory message.
SKDREQ Schedule request - interactive message
A code to identify the schedule request - interactive message.
SKDUPD Schedule update - interactive message
A code to identify the schedule update - interactive message.
SLSFCT Sales forecast message
A code to identify the sales forecast message.
SLSRPT Sales data report message
A code to identify the sales data report message.
SOCADE Social administration message
A code to identify the social administration message.
SSIMOD Modification of identity details message
A code to identify the modification of identity details message.
SSRECH Worker's insurance history message

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            A code to identify the worker's insurance history
            message.
   SSREGW Notification of registration of a worker message
            A code to identify the notification of registration of a
            worker message.
   STATAC Statement of account message
            A code to identify the statement of account message.
   STLRPT Settlement transaction reporting message
            A code to identify the settlement transaction reporting
            message.
   SUPCOT Superannuation contributions advice message
            A code to identify the superannuation contributions
            advice message.
   SUPMAN Superannuation maintenance message
            A code to identify the superannuation maintenance
            message.
   SUPRES Supplier response message
            A code to identify the supplier response message.
   TANSTA Tank status report message
            A code to identify the tank status report message.
   TAXCON Tax control message
            A code to identify the tax control message.
   TIQREQ Travel, tourism and leisure information inquiry request -
          interactive message
            A code to identify the travel, tourism and leisure
            information inquiry request - interactive message.
   TIQRSP Travel, tourism and leisure information inquiry response -
          interactive message
            A code to identify the travel, tourism and leisure
            information inquiry response - interactive message.
   TPFREP Terminal performance message
            A code to identify the terminal performance message.
   TSDUPD Timetable static data update - interactive message
            A code to identify the timetable static data update -
            interactive message.
   TUPREQ Travel, tourism and leisure data update request -
          interactive message
            A code to identify the travel, tourism and leisure data
            update request - interactive message.
   TUPRSP Travel, tourism and leisure data update response -
          interactive message
            A code to identify the travel, tourism and leisure data
            update response - interactive message.
   UTILMD Utilities master data message
            A code to identify the utilities master data message.
   UTILTS Utilities time series message
            A code to identify the utilities time series message.
   VATDEC Value added tax message
            A code to identify the value added tax message.
   VESDEP Vessel departure message
            A code to identify the vessel departure message.
   WASDIS Waste disposal information message
            A code to identify the waste disposal information
            message.
   WKGRDC Work grant decision message
            A code to identify the work grant decision message.
   WKGRRE Work grant request message
            A code to identify the work grant request message.
```

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

C Creation
First transmission of a number of transfers of the same message.

F Final
Last transmission of a number of transfers of the same message.

0081 Section identification

Desc: Identification of the separation of sections of a message.

Repr: a1

D Header/detail section separation
To qualify the segment UNS, when separating the header from the detail section of a message.

S Detail/summary section separation
To qualify the segment UNS, when separating the detail from the summary section of a message.

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

4 This level and all lower levels rejected
The corresponding referenced-level and all its lower referenced-levels are rejected. One or more errors are reported at this reporting-level or a lower reporting-level.

7 This level acknowledged and all lower levels acknowledged if not explicitly rejected
The corresponding referenced-level is acknowledged. All messages, packages, or groups at the lower referenced-levels are acknowledged except those explicitly reported as rejected at their reporting-level in this CONTRL message.

8 Interchange received
Indication of interchange receipt.

0085 Syntax error, coded

Desc: A code indicating the error detected.

Repr: an..3

2 Syntax version or level not supported
Notification that the syntax version and/or level is not

supported by the recipient.

7 Interchange recipient not actual recipient
Notification that the Interchange recipient (S003) is different from the actual recipient.

12 Invalid value
Notification that the value of a stand-alone data element, composite data element or component data element does not conform to the relevant specifications for the value.

13 Missing
Notification that a mandatory (or otherwise required) service or user segment, data element, composite data element or component data element is missing.

14 Value not supported in this position
Notification that the recipient does not support use of the specific value of an identified stand-alone data element, composite data element or component data element in the position where it is used. The value may be valid according to the relevant specifications and may be supported if it is used in another position.

15 Not supported in this position
Notification that the recipient does not support use of the segment type, stand-alone data element type, composite data element type or component data element type in the identified position.

16 Too many constituents
Notification that the identified segment contained to many data elements or that the identified composite data element contained too many component data elements.

17 No agreement
No agreement exists that allows receipt of an interchange, group, message, or package with the value of the identified stand-alone data element, composite data element or component data element.

18 Unspecified error
Notification that an error has been identified, but the nature of the error is not reported.

X 19 Invalid decimal notation
Notification that the character indicated as decimal notation in UNA is invalid, or the decimal notation used in a data element is not consistent with the one indicated in UNA.

Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

20 Character invalid as service character
Notification that a character advised in UNA is invalid as service character.

21 Invalid character(s)
Notification that one or more character(s) used in the interchange is not a valid character as defined by the syntax identifier indicated in UNB. The invalid character is part of the referenced-level, or followed immediately after the identified part of the interchange.

22 Invalid service character(s)
Notification that the service character(s) used in the interchange is not a valid service character as advised in UNA or not one of the default service characters. If the code is used in UCS or UCD, the invalid character followed immediately after the identified part of the

interchange.

23 Unknown Interchange sender
Notification that the Interchange sender (S002) is unknown.

24 Too old
Notification that the received interchange or group is older than a limit specified in an IA or determined by the recipient.

25 Test indicator not supported
Notification that test processing can not be performed for the identified interchange, group, message, or package.

26 Duplicate detected
Notification that a possible duplication of a previously received interchange, group, message, or package has been detected. The earlier transmission may have been rejected.

X 27 Security function not supported
Notification that a security function related to the referenced-level or data element is not supported.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

28 References do not match
Notification that the control reference in UNB, UNG, UNH, UNO, USH or USD does not match the one in UNZ, UNE, UNT, UNP, UST or USU, respectively.

29 Control count does not match number of instances received
Notification that the number of groups, messages, or segments does not match the number given in UNZ, UNE, UNT or UST, or that the length of an object or of encrypted data is not equal to the length stated in the UNO, UNP, USD, or USU.

30 Groups and messages/packages mixed
Notification that groups have been mixed with messages/packages outside of groups in the interchange.

X 31 More than one message type in group
Notification that different message types are contained in a functional group.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

32 Lower level empty
Notification that the interchange does not contain any messages, packages, or groups, or a group does not contain any messages or packages.

33 Invalid occurrence outside message, package, or group
Notification of an invalid segment or data element in the interchange, between messages or between packages or between groups. Rejection is reported at the level above.

X 34 Nesting indicator not allowed
Notification that explicit nesting has been used in a message where it shall not be used.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

35 Too many data element or segment repetitions
Notification that a stand-alone data element, composite data element or segment is repeated too many times.

36 Too many segment group repetitions

Notification that a segment group is repeated too many times.

37 Invalid type of character(s)
Notification that one or more numeric characters are used in an alphabetic (component) data element or that one or more alphabetic characters are used in a numeric (component) data element.

X 38 Missing digit in front of decimal sign
Notification that a decimal sign is not preceded by one or more digits.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

39 Data element too long
Notification that the length of the data element received exceeded the maximum length specified in the data element description.

40 Data element too short
Notification that the length of the data element received is shorter than the minimum length specified in the data element description.

X 41 Permanent communication network error
Notification that a permanent error was reported by the communication network used for transfer of the interchange. Re-transmission of an identical interchange with the same parameters at network level will not succeed.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

X 42 Temporary communication network error
Notification that a temporary error was reported by the communication network used for transfer of the interchange. Re-transmissions of an identical interchange may succeed.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

X 43 Unknown interchange recipient
Notification that the interchange recipient is not known by a network provider.
Note:
1. This code value will be removed effective with the first release of the service code list in 2003.

45 Trailing separator
Notification of one of the following:
- the last character before the segment terminator is a data element separator or a component data element separator or a repeating data element separator, or
- the last character before a data element separator is a component data element separator or a repeating data element separator.

46 Character set not supported
Notification that one or more characters used are not in the character set defined by the syntax identifier, or the character set identified by the escape sequence for the code extension technique is not supported by the recipient.

47 Envelope functionality not supported
Notification that the envelope structure encountered is

not supported by the recipient.

48 Dependency condition violated
Notification that an error condition has occurred as the result of a dependency condition violation.

0113 Message type sub-function identification

Desc: Code identifying a sub-function of a message type.

Repr: an..6

Note 1: The code qualifies the message type data element (0065) to allow the recipient to identify a specific sub-function of a message.

AA Interactive, perform sell
This sub-function is to notify the receiver that the purpose of the message is an instruction to perform a sell.

AB Interactive, modify current dialogue data
This sub-function is to notify the receiver that the message data is a modification to data previously sent in the current interactive dialogue.

AC Interactive, modify previous dialogue data
This sub-function is to notify the receiver that the message data is a modification to data sent in a previous interactive dialogue.

AD Interactive, cancel reserved product
This sub-function is to notify the receiver that the purpose of the message is to cancel a product previously reserved in an interactive dialogue.

AE Interactive, ignore reserved product
This sub-function is to notify the receiver that the purpose of the message is to ignore a product previously reserved in an interactive dialogue.

AF Interactive, conclude current reservation
This sub-function is to notify the receiver that the purpose of the message is to conclude the current reservation transaction.

AG Interactive, display reserved product
This sub-function is to notify the receiver that the purpose of the message is to display a product previously reserved in an interactive dialogue.

AH Interactive, perform reference sell
This sub-function is to notify the receiver that the purpose of the message is an instruction to perform a sell, based on data returned in a previous interactive response.

AI Interactive, modify previous dialogue reservation
This sub-function is to notify the receiver that the purpose of the message is to modify a reservation, made during a previous interactive dialogue.

AJ Interactive, display voucher template
This sub-function is to notify the receiver that the purpose of the message is to display the template for a voucher.

AK Interactive, print voucher
This sub-function is to notify the receiver that the purpose of the message is to print a voucher.

AL Interactive, cancel current dialogue reservation

This sub-function is to notify the receiver that the purpose of the message is to cancel a reservation made during the current interactive dialogue.

AM Interactive, cancel previous dialogue reservation
This sub-function is to notify the receiver that the purpose of the message is to cancel a reservation made during a previous interactive dialogue.

AN Interactive, duplicate sell message
This sub-function is to notify the receiver that the message is a duplicate of a previously sent interactive sell message.

AO Interactive, duplicate modify current dialogue data
This sub-function is to notify the receiver that the message is a duplicate of a previously sent message to modify data in the current interactive dialogue.

AP Interactive, duplicate modify previous dialogue reservation
This sub-function is to notify the receiver that the message is a duplicate of a previously sent message to modify a reservation made during a previous interactive dialogue.

AQ Interactive, availability request, multiple suppliers
This sub-function is to notify the receiver that the message is an interactive request for availability which is simultaneously being sent to multiple suppliers.

AR Interactive, availability request, one specific supplier
This sub-function is to notify the receiver that the message is an interactive request for availability from only one specific supplier.

AS Interactive, product rules request
This sub-function is to notify the receiver that the message is an interactive request for product rules.

SECACK Security acknowledgment
This sub-function of the AUTACK message is for the secure acknowledgement of receipt, including the reporting of any associated security violation(s).

SECAUT Security authentication and/or non-repudiation of origin
This sub-function of the AUTACK message is for secure integrity, authentication and/or non-repudiation of origin.

0133 Character encoding, coded

Desc: Coded identification of the character encoding used in the interchange.

Repr: an..3

Note 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).

1 ASCII 7 bit
ASCII 7 bit code.

2 ASCII 8 bit
ASCII 8 bit code.

3 Code page 500 (EBCDIC Multinational No. 5)
Encoding schema for the repertoire as defined by the code page.

```
   4      Code page 850 (IBM PC Multinational)
             Encoding schema for the repertoire as defined by the code
             page.
   5      UCS-2
             Universal Multiple-Octet Coded Character Set (UCS)
             two-octet per character encoding schema as defined in
             ISO/IEC 10646-1.
   6      UCS-4
             Universal Multiple-Octet Coded Character Set (UCS)
             four-octet per character encoding schema as defined in
             ISO/IEC 10646-1.
   7      UTF-8
             UCS Transformation Format 8 (UTF-8) multi-octet (of
             length one to six octets) per character encoding schema
             as defined in ISO/IEC 10646-1, Annex R.
   8      UTF-16
             UCS Transformation Format 16 (UTF-16) two-octet per
             character encoding schema as defined in ISO/IEC 10646-1,
             Annex Q.
   ZZZ    Mutually agreed
             Mutually agreed between trading partners.
```

```
  0135  Service segment tag, coded

  Desc: Code identifying a service segment.

  Repr: an..3

   UCD    Data element error indication
             To identify an erroneous stand-alone, composite or
             component data element, and to identify the nature of the
             error.
   UCF    Group response
             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.
   UCI    Interchange response
             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.
   UCM    Message/package response
             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.

UCS Segment error indication
To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment.

UGH Anti-collision segment group header
To head, identify and specify an anti-collision segment group.

UGT Anti-collision segment group trailer
To end and check the completeness of an anti-collision segment group.

UIB Interactive interchange header
To head and identify an interchange.

UIH Interactive message header
To head, identify and specify a message.

UIR Interactive status
To report the status of the dialogue.

UIT Interactive message trailer
To end and check the completeness of a message.

UIZ Interactive interchange trailer
To end and check the completeness of an interchange.

UNB Interchange header
To identify an interchange.

UNE Group trailer
To end and check the completeness of a group.

UNG Group header
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.

UNH Message header
To head, identify and specify a message.

UNO Object header
To head, identify and specify an object.

UNP Object trailer
To end and check the completeness of an object.

UNS Section control
To separate header, detail and summary sections of a message.

UNT Message trailer
To end and check the completeness of a message.

UNZ Interchange trailer
To end and check the completeness of an interchange.

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

USB Secured data identification
To contain details related to the AUTACK.

USC Certificate
To convey the public key and the credentials of its owner.

USD Data encryption header
To specify size (i.e. length of data in octets of bits) of encrypted data following the segment terminator of this segment.

USE Security message relation
To specify the relation to earlier security messages, such as response to a particular request, or request for a particular answer.

```
   USF    Key management function
             To specify the type of key management function and the
             status of a corresponding key or certificate.
   USH    Security header
             To specify a security mechanism applied to a EDIFACT
             structure (i.e.: either message/package, group or
             interchange).
   USL    Security list status
             To specify the status of security objects, such as keys
             or certificates to be delivered in a list, and the
             corresponding list parameters.
   USR    Security result
             To contain the result of the security mechanisms.
   UST    Security trailer
             To establish a link between security header and security
             trailer segment groups.
   USU    Data encryption trailer
             To provide a trailer for the encrypted data.
   USX    Security references
             To refer to the secured EDIFACT structure and its
             associated date and time.
   USY    Security on references
             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.

-------------------------------------------------------------------------

  0323  Transfer position, coded

  Desc: Indication of the position of a transfer.

  Repr: a1

   F      First message
             First message in sequence. Can only appear once at the
             start of the sequence.
   I      Intermediate message
             Intermediate message in sequence. May appear zero or more
             times within the sequence.
   L      Last message
             Last message in sequence. Can appear only once at the end
             of the sequence.

-------------------------------------------------------------------------

  0325  Duplicate Indicator

  Desc: Indication that the structure is a duplicate of a previously
        sent structure.

  Repr: a1

   D      Duplicate
             A duplicate transfer.

-------------------------------------------------------------------------

  0331  Report function, coded

  Desc: Coded value identifying type of status or error report.

  Repr: an..3

   1      Information
```

```
            Non Error information, e.g. acknowledgement that party is
            still operational.
   2        Warning
            Warning, e.g. resources getting low.
   3        Non-fatal error
            Non-fatal error detected by party sending the UIR.
            Dialogue integrity may be compromised.
   4        Abort dialogue
            Established dialogue cannot continue.
   5        Query status
            Request for a status report from other party. Should be
            answered with a 'Status report' (see code value '6'
            below).
   6        Status report
            Reporting status of dialogue as perceived by sending
            party.
   7        Pause dialogue
            Advise other party to stop transferring data within this
            dialogue until a 'Continue dialogue' is received.
   8        Continue dialogue
            Advise that data flow may continue after being 'Paused'
            (see code value '7' above).
   9        Start dialogue reject
            Dialogue cannot be initiated.
```

```
  0333  Report reason, coded

  Desc: Code identifying the reason for the status or error report.

  Repr: an..3

   1        OK response
            No further information.
   2        Syntax error
            Error detected in syntax.
   3        Invalid header
            Invalid header segment received.
   4        Invalid trailer segment
            Invalid trailer segment received.
   5        Unsupported syntax
            Syntax version/release not supported.
   6        Unsupported scenario type
            Scenario type not supported.
   7        Unsupported scenario version
            Scenario version/release not supported.
   8        Unsupported dialogue type
            Dialogue type not supported for this scenario.
   9        Unsupported dialogue version
            Dialogue type version/release not supported.
   10       Unauthorised sender
            Sender not authorised.
   11       Sender rejected
            Sender rejected for administrative reasons.
   12       Multiple transactions unsupported
            Multiple parallel transactions not supported.
   13       Multiple dialogues unsupported
            Multiple parallel dialogues not supported.
   14       Resources unavailable
            Resources unavailable for requested function.
```

```
   15     Unknown transaction
             Referenced transaction does not exist.
   16     Unknown dialogue
             Referenced dialogue does not exist.
   17     Invalid function
             Function invalid for current dialogue state.
   18     Service unavailable
             Requested service is unavailable.
   19     Application unavailable
             Requested application not available.
   20     Time-out
             Response not received within expected time.
   21     Unable to process interactively
             To notify the initiator that a specific request cannot be
             processed interactively.
   22     Correctable application error
             To notify the initiator that an application error, that
             is correctable by the initiator, was made in the request
             message.
   23     Nothing to return
             To notify the initiator that there is no information to
             return in response to an inquiry.
   24     Data not accessible
             To notify the initiator that the requested information
             cannot be returned.
   25     Non-correctable application error
             To notify the initiator that some type of system or
             processing error was encountered, not related to the data
             received.

-------------------------------------------------------------------------

  0501  Security service, coded

  Desc: Specification of the security service applied.

  Repr: an..3

   1      Non-repudiation of origin
             The message includes a digital signature protecting the
             receiver of the message from the sender's denial of
             having sent the message.
   2      Message origin authentication
             The actual sender of the message cannot claim to be some
             other (authorised) entity.
   3      Integrity
             The message content is protected against the modification
             of data.
   4      Confidentiality
             The message content is protected against the unauthorised
             reading, copying or disclosure of its content.
   5      Non-repudiation of receipt
             Non-repudiation of receipt protects the sender of an
             object message from the receiver's denial of having
             received the message.
   6      Receipt authentication
             Receipt authentication assures the sender that the
             message has been received by the authenticated recipient.
   7      Referenced EDIFACT structure non-repudiation of origin
             The referenced EDIFACT structure is secured by a digital
             signature protecting the receiver of the message from the
```

```
            sender's denial of  having sent the message.
   8      Referenced EDIFACT structure origin authentication
            The actual sender of the referenced EDIFACT structure
            cannot claim to be some other (authorised) party.
   9      Referenced EDIFACT structure integrity
            The referenced EDIFACT structure content is protected
            against the modification of data.
   10     Time stamping request
            Ask for the EDIFACT structure to be time stamped.
   11     Entity authentication
            The initiator and/or responder cannot claim to be another
            party.
   12     Entity authentication with key establishment
            The initiator and/or responder cannot claim to be another
            party, and security keys are established.

-------------------------------------------------------------------------

  0503  Response type, coded

  Desc: Specification of the type of response expected from the
        recipient.

  Repr: an..3

   1      No acknowledgement required
            No AUTACK acknowledgement message expected.
   2      Acknowledgement required
            AUTACK acknowledgement message expected.

-------------------------------------------------------------------------

  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

   1      No filter
            No filter function is used.
   2      Hexadecimal filter
            Hexadecimal filter.
   3      ISO 646 filter
            ASCII filter as described in DIS 10126-1.
   4      ISO 646 Baudot filter
            Baudot filter as described in DIS 10126-1.
   5      UN/EDIFACT EDA filter
            Filter function for UN/EDIFACT character set repertoire A
            as described in Part 5 of ISO 9735.
   6      UN/EDIFACT EDC filter
            Filter function for UN/EDIFACT character set repertoire A
            as described in Part 5 of ISO 9735.
   7      Base 64 filter
            Base 64 filter function as described in RFC 1521.
   ZZZ    Mutually agreed
            Mutually agreed between trading partners.

-------------------------------------------------------------------------

  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

1 ASCII 7 bit
ASCII 7 bit code.
2 ASCII 8 bit
ASCII 8 bit code.
3 Code page 850 (IBM PC Multinational)
Encoding schema for the repertoire as defined by the code page.
4 Code page 500 (EBCDIC Multinational No. 5)
Encoding schema for the repertoire as defined by the code page.
5 UCS-2
Universal Multiple-Octet Coded Character Set (UCS) two-octet per character encoding schema as defined in ISO/IEC 10646-1.
6 UCS-4
Universal Multiple-Octet Coded Character Set (UCS) four-octet per character encoding schema as defined in ISO/IEC 10646-1.
7 UTF-8
UCS Transformation Format 8 (UTF-8) multi-octet (of length one to six octets) per character encoding schema as defined in ISO/IEC 10646-1, Annex R.
8 UTF-16
UCS Transformation Format 16 (UTF-16) two-octet per character encoding schema as defined in ISO/IEC 10646-1, Annex Q.
ZZZ Mutually agreed
Mutually agreed between trading partners.

0509 Role of security provider, coded

Desc: Identification of the role of the security provider in relation to the secured item.

Repr: an..3

1 Issuer
The security provider is the rightful issuer of the signed document.
2 Notary
The security provider acts as a notary in relation to the signed document.
3 Contracting party
The security provider endorses the content of the signed document.
4 Witness
The security provider is a witness, but is not responsible for the content of the signed document.
ZZZ Mutually agreed
Mutually agreed between trading partners.

0513 Security party code list qualifier

Desc: Identification of the type of identification used to register the security parties.

Repr: an..3

1 ACH
Automated clearing house identification.
2 EAN
European Association for Numbering.
ZZZ Mutually agreed
Mutually agreed between trading partners.

0515 Security party code list responsible agency, coded

Desc: Identification of the agency in charge of registration of the security parties.

Repr: an..3

1 UN/CEFACT
United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).
2 ISO
International Organization for Standardization.

0517 Date and time qualifier

Desc: Specification of the type of date and time.

Repr: an..3

1 Security Timestamp
Security timestamp of the secured message.
2 Certificate generation date and time
Identifies the date and time of generation of the certificate by the Certification Authority.
3 Certificate start of validity period
Identifies the date and time from which the certificate must be considered valid.
4 Certificate end of validity period
Identifies the date and time until which the certificate must be considered valid.
5 EDIFACT structure generation date and time
Date and time of generation of the secured EDIFACT structure.
6 Certificate revocation date and time
Identifies the date and time of revocation of the certificate by the Certification Authority.
7 Key generation date and time
Identifies the date and time of generation of the key(s).

0523 Use of algorithm, coded

Desc: Specification of the usage made of the algorithm.

Repr: an..3

1 Owner hashing
Specifies that the algorithm is used by the message sender to compute the hash function on the message (as in the case of Integrity or Non-repudiation of Origin identified in the security function qualifier of USH).

2 Owner symmetric
Specifies that the algorithm is used by the message sender either for integrity, confidentiality, or message origin authentication (specified by security service, coded in USH).

3 Issuer signing
Specifies that the algorithm is used by the Certificate Issuer (CA) to sign the hash result computed on the certificate.

4 Issuer hashing
Specifies that the algorithm is used by the Certificate Issuer (CA) to compute the hash result on the certificate.

5 Owner enciphering
Specifies that the algorithm is used by the message sender to encrypt a symmetric key.

6 Owner signing
Specifies that the algorithm is used by the message sender to sign either the hash result computed on the message or the symmetric keys.

7 Owner enciphering or signing
Specifies that the algorithm may be used by the message sender either to encrypt a symmetric key or sign the hash result computed on the message. This value may only be used in a USA segment within a USC segment group. When encrypting a symmetric key a receiver certificate shall be used. When signing a hash result a sender certificate shall be used.

8 Owner compressing
Specifies that the algorithm is used by the message sender to compress the data before (encryption and) submission.

9 Owner compression integrity
Specifies that the algorithm is used by the message sender on the compressed data before (encryption and) submission. The integrity value is used to verify the contents of the compressed text before expansion.

10 Key agreement
Specifies that the algorithm is used by the initiator and responder to agree a secret key.

0525 Cryptographic mode of operation, coded

Desc: Specification of the mode of operation used for the algorithm.

Repr: an..3

1 ECB
DES modes of operation, Electronic Code Book; FIPS Pub 81 (1981); ANSI X3.106; IS 8372 (64 bits); ISO 10116 (n-bits).

2 CBC
DES modes of operation, Cipher Block Chaining; FIPS Pub 81 (1981); ANSI X3.106; IS 8372 (64 bits); ISO 10116 (n-bits).

3 CFB1
DES modes of operation, Cipher feedback; FIPS Pub 81 (1981); ANSI X3.106; IS 8372 (64 bits); ISO 10116 (n-bits).

```
   4      CFB8
             DES modes of operation, Cipher feedback; FIPS Pub 81
             (1981); ANSI X3.106; IS 8372 (64 bits); ISO 10116 (n-
             bits).
   5      OFB
             DES modes of operation; FIPS Pub 81 (1981); IS 8372 (64
             bits); ISO 10116 (n-bits).
X  6      MAC
             Message Authentication Code ISO 8731-1, using DES CBC
             mode.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  7      DIM1
             Data integrity mechanism using a cryptographic check
             function; ISO DIS 9797, first method.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  8      DIM2
             Data integrity mechanism using a cryptographic check
             function; ISO DIS 9797, second method.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  9      MDC2
             Modification Detection Code - IBM System Journal, vol 30,
             no 2, 1991.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  10     HDS1
             Hash functions - Part 1 : Hash functions using a n-bit
             block cipher algorithm providing a single length hash
             code. ISO CD 10118-1.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  11     HDS2
             Hash functions - Part 2 : Hash functions using a n-bit
             block cipher algorithm providing a double length hash
             code. ISO CD 10118-2.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  12     SQM
             Square-mod-n hash function for RSA. Annex D, ITU X 509,
             ISO 9594-8.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  13     NVB7.1
             Dutch Standard hash function for banking.
          Note:
             1. This code value will be removed effective with the
             second release of the service code list in 2002.
X  14     NVBAK
             Dutch Banking Standard, NVB Authenticity Mark, published
             by the NVB, May 1992.
          Note:
```

1. This code value will be removed effective with the second release of the service code list in 2002.

X 15 MCCP
Banking key management by means of asymmetric algorithms, algorithms using the RSA cryptosystem. Signature construction by means of a separate signature. ISO 11166-2.
Note:
1. This code value will be removed effective with the second release of the service code list in 2002.

16 DSMR
Digital Signature scheme giving Message Recovery. ISO 9796.

17 CFB64
DES mode of operation, cipher feedback; ISO 10116 (n-bits).

23 TCBC
TDEA mode of operation, Cipher Block Chaining, ANSI X9.52.

24 TCBC-I
TDEA mode of operation, Cipher Block Chaining - Interleaved, ANSI X9.52.

25 TCFB1
TDEA mode of operation, Cipher Feedback - 1 bit feedback, ANSI X9.52.

26 TCFB8
TDEA mode of operation, Cipher Feedback - 8 bit feedback, ANSI X9.52.

27 TCFB64
TDEA mode of operation, Cipher Feedback - 64 bit feedback, ANSI X9.52.

28 TCFB1-P
TDEA mode of operation, Cipher Feedback Pipelined - 1 bit feedback, ANSI X9.52.

29 TCFB8-P
TDEA mode of operation, Cipher Feedback Pipelined - 8 bit feedback, ANSI X9.52.

30 TCFB64-P
TDEA mode of operation, Cipher Feedback Pipelined - 64 bit feedback, ANSI X9.52.

31 TOFB
TDEA mode of operation, Output Feedback Mode, ANSI X9.52.

32 TOFB-P
TDEA mode of operation, Output Feedback Mode Pipelined, ANSI X9.52.

33 TCBCM
TDEA mode of operation, Cipher Block Chaining with output feedback Masking, ANSI X9.52.

34 TCBCM-I
TDEA mode of operation, Cipher Block Chaining with output feedback Masking Interleaved, ANSI X9.52.

35 TECB
TDEA mode of operation, Electronic Cookbook Mode, ANSI X9.52.

36 CTS
RC5 mode of operation, Cipher Text Stealing, Published in RCF 2040.

ZZZ Mutually agreed
Mutually agreed between trading partners.

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* 0527 Algorithm, coded

  Desc: Identification of the algorithm.

  Repr: an..3

1	DES	Data Encryption Standard. FIPS Pub 46 (January 1977).
2	MAA	Message Authentication Algorithm. Banking-Approved Algorithms for message Authentication. ISO 8731-2.
3	FEAL	FEAL Fast Data Encipherment Algorithm.
4	IDEA	International Data Encryption Algorithm: Lai X., Massey J. ""A Proposal for a New Block Encryption Standard"", Proceedings of Eurocrypt'90, LNCS vol 473, Springer-Verlag, Berlin 1991, and Lai X., Massey J. ""Markov Ciphers and Differential Cryptanalysis"", Proceedings of Eurocrypt'91, LNCS vol 547, Springer-Verlag, Berlin 1991.
5	MD4	The MD4 Message digest algorithm. Rivest R. RSA Data Security Inc. (1990).
6	MD5	The MD5 Message digest algorithm. Rivest R. Dusse S. RSA Data Security Inc. (1991).
7	RIPEMD	Extension of the MD4 - Ripe Report CS - R9324, April 93.
8	SHA	Secure Hashing Algorithm.
9	AR/DFP	Hash function of the German banking industry, submitted to ISO/IEC JTC 1/SC 27/WG 2, Doc N179.
10	RSA	Rivest, Shamir, Adleman: A Method for obtaining Digital Signatures and Public Key Cryptosystems. Communications of the ACM, Vol.21(2), pp 120-126 (1978).
11	DSA	Digital Signature Algorithm/Digital Signature Standard NIST Pub 1993 Draft.
12	RAB	Rabin, "Digitalized signatures and public-key functions as intractable as factorization", MIT Laboratory for Computer Science Technical Report LCS/TR-212, Cambridge, Mass, 1979.
13	TDEA	Triple Data Encryption Algorithm; ANSI X9.52.
14	RIPEMD-160	Dedicated Hash-Function #1; ISO 10118-3.
15	RIPEMD-128	Dedicated Hash-Function #2; ISO 10118-3.
16	SHA1	Secure Hash Algorithm, dedicated Hash-Function #3; ISO 10118-3.
17	ECC	Elliptic Curve Algorithm, Draft IEEE P1363 standard.
18	ZLIB	Data compression algorithm; Deflate/inflate algorithm

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         published in RFC1950, RFC1951 and RFC1952.
20     INFOZIP
         Data compression algorithm.
21     OLZW
         Data compression algorithm; Optimized LZW; Published in
         'Dr. Dobb's Journal' (Jun 1990).
22     ARITCODE
         Data compression algorithm; Arithmetic coding; Published
         in 'Comm. Of the ACM' (Jun 1987).
23     SHUFF
         Data compression algorithm; Static Huffman; Published in
         'Proceedings of the I.R.E.' (Sep. 1952).
24     DHUFF
         Data compression algorithm; Dynamic Huffman; Published in
         'ACM Transaction on Mathematical Software' (Jun 1989).
25     CRC-32
         Cyclic Redundancy Check - 32-bit; Ethernet CRC.
26     CRC-CCITT
         Cyclic Redundancy Check - 16-bit.
27     ISO12042
         Data compression for information exchange - Binary
         arithmetic coding algorithm; ISO-12042.
28     RC4
         Variable-Key Size Symmetric Stream Cipher, specified by
         RSA Security Inc.
29     RC5
         Variable-Key Size Symmetric Block Cipher, published in
         RFC 2040.
30     HMAC-SHA1
         Message Authentication using keyed SHA-1 (published in
         RFC 2104).
31     HMAC-MD5
         Message Authentication using keyed MD5 (published in RFC
         2104).
32     HMAC-RIPEMD-160
         Messahe Authentication using keyed RIPEMD-160 (published
         in RFC 2104).
33     HMAC-RIPEMD-128
         Message Authentication using keyed RIPEMD-128 (published
         in RFC 2104).
34     DB-MACv3
         MAC calculation (variant 3), using RIPEMD-160 and triple
         DES (published by Deutsche Bundesbank 1998).
35     LZ77
         Lempel Ziv, 1977 data compression algorithm.
36     LZW
         Lempel Ziv Welch data compression algorithm.
37     MAC-ISO 8731-1
         Message authentication code defined in ISO 8731, Part 1.
38     DIM1
         Data integrity mechanism using a cryptographic check
         function; ISO DIS 9797, first method.
39     DIM2
         Data integrity mechanism using a cryptographic check
         function; ISO DIS 9797, second method.
40     MDC2
         Modification detection code, IBM System Journal, vol 13,
         #2, 1991.
41     HDS1
         ISO CD 10118-1, hash functions -part 1; hash functions
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            using an n-bit block cipher algorithm providing a single
            length hash code.
   42     HDS2
            ISO CD 10118-1, hash functions -part 1; hash functions
            using an n-bit block cipher algorithm providing a double
            length hash code.
   43     SQM
            ISO 9594-8. Square-Mod-N hash function for RSA.
   44     NVB 7.1
            Dutch banking standard for hashing and signing using RSA.
   45     PKCS#1-v2_MGF1
            Mask Generation Function defined in PKCS#1, Version 2.
+  46     NVBAK
            Dutch banking standard, NVB Authenticity Mark,  published
            by the NVB, May 1992.
+  47     MCCP
            Banking key management by means of asymmetric algorithms,
            algorithms using the RSA cryptosystem. Signature
            construction by means of a separate signature. ISO
            11166-2.
   ZZZ    Mutually agreed
            Mutually agreed between trading partners.

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  0529  Algorithm code list identifier

  Desc: Specification of the code list used to identify the algorithm.

  Repr: an..3

   1      UN/CEFACT
            United Nations Centre for Trade Facilitation and
            Electronic Business (UN/CEFACT).

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  0531  Algorithm parameter qualifier

  Desc: Specification of the type of parameter value.

  Repr: an..3

   1      Initialisation value, clear text
            Identifies the algorithm parameter value as an
            unencrypted initialisation value.
   2      Initialisation value, encrypted under a symmetric key
            Identifies the algorithm parameter value as an
            initialisation value which is encrypted under the
            symmetric data key.
   3      Initialisation value, encrypted under a public key
            Identifies the algorithm parameter value as an
            initialisation value encrypted under the public key of
            the  receiving party.
   4      Initialisation value, format mutually agreed
            Identifies the algorithm parameter value as an
            initialisation value in a format agreed between the two
            parties.
   5      Symmetric key, encrypted under a symmetric key
            Identifies the algorithm parameter value as a symmetric
            key which is encrypted with a previously agreed algorithm
            under a previously exchanged symmetric key.
   6      Symmetric key, encrypted under a public key
```

Identifies the algorithm parameter value as a symmetric key encrypted under the public key of the receiving party.

7 Symmetric key, signed and encrypted
Identifies the algorithm parameter value as a symmetric key signed under the sender's secret key, then encrypted under the receiver's public key.

8 Symmetric key encrypted under an asymmetric key common to the sender and the receiver
Identifies the algorithm parameter value as a symmetric key encrypted under an asymmetric key common to the sender and the receiver (use of Diffie and Hellman scheme, for instance).

9 Symmetric key name
Identifies the algorithm parameter value as the name of a symmetric key. This may be used in the case where a key relationship has already been established between the sender and receiver.

10 Key encrypting key name
Identifies the parameter value as the name of a key encrypting key.

11 Symmetric key, format mutually agreed
Identifies the algorithm parameter value as a symmetric key in a format agreed between the two parties.

12 Modulus
Identifies the algorithm parameter value as the modulus of a public key which is to be used according to the function defined by the use of algorithm.

13 Exponent
Identifies the algorithm parameter value as the exponent of a public key which is to be used according to the function defined by the use of algorithm.

14 Modulus length
Identifies the algorithm parameter value as the length of the modulus (in bits) of the public key used in the algorithm. The length is independent of whatever filtering function may be in use.

15 Generic parameter 1
Identifies the algorithm parameter value as the first generic parameter.

16 Generic parameter 2
Identifies the algorithm parameter value as the second generic parameter.

17 Generic parameter 3
Identifies the algorithm parameter value as the third generic parameter.

18 Generic parameter 4
Identifies the algorithm parameter value as the fourth generic parameter.

19 Generic parameter 5
Identifies the algorithm parameter value as the fifth generic parameter.

20 Generic parameter 6
Identifies the algorithm parameter value as the sixth generic parameter.

21 Generic parameter 7
Identifies the algorithm parameter value as the seventh generic parameter.

22 Generic parameter 8
Identifies the algorithm parameter value as the eighth

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         generic parameter.
23     Generic parameter 9
         Identifies the algorithm parameter value as the ninth
         generic parameter.
24     Generic parameter 10
         Identifies the algorithm parameter value as the tenth
         generic parameter.
25     DSA parameter P
         Identifies the algorithm parameter value as the parameter
         P of DSA algorithm.
26     DSA parameter Q
         Identifies the algorithm parameter value as the parameter
         Q of DSA algorithm.
27     DSA parameter G
         Identifies the algorithm parameter value as the parameter
         G of DSA algorithm.
28     DSA parameter Y
         Identifies the algorithm parameter value as the parameter
         Y of DSA algorithm.
29     Initial value for CRC calculation
         Identifies the algorithm parameter value as the initial
         value for the CRC calculation.
30     Initial directory tree
         Identifies the algorithm parameter value as the initial
         directory tree for the data compression algorithm
         specified.
31     Integrity value offset
         Identifies the algorithm parameter value as the offset
         within the compressed text where the integrity value is
         located.
33     Generator
         Identifies the algorithm parameter value as the generator
         for a secret key agreement mechanism.
34     Symmetric key activation date/time
         Identifies the activation date/time of a symmetric key.
         The date/time format shall be CCYYMMDDHHMMSS.
35     PKCS#1-EME-OAEP HF
         Identifies the algorithm parameter value as the code of
         the hash function used by EME-OAEP padding mechanism as
         defined in PKCS#1, Version 2.
36     PKCS#1-EME-OAEP MGF
         Identifies the algorithm parameter value as the code of
         the mask generation function used by EME-OAEP padding
         mechanism as defined in PKCS#1, Version 2.
37     PKCS#1-EME-OAEP P Init
         Identifies the algorithm parameter value as the initial
         octets of the encoding parameter octet string (P) used by
         EME-OAEP padding mechanism as defined in PKCS#1, Version
         2.
38     PKCS#1-EME-OAEP P Cont
         Identifies the algorithm parameter value as the
         additional octets of the encoding parameter octet string
         (P) following the initial octets, used by EME-OAEP
         padding mechanism as defined in PKCS#1, Version 2.
39     PKCS#1-EME-OAEP P Final
         Identifies the algorithm parameter value as the final
         octets of the encoding parameter octet string (P)
         following the initial or additional octets, used by
         EME-OAEP padding mechanism as defined in PKCS#1, Version
         2.
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40 PKCS#1-EME-OAEP HF/MGF
Identifies the algorithm parameter value as the code of the hash function used by the mask generation function used by EME-OAEP padding mechanism as defined in PKCS#1, Version 2.

41 PKCS#1-EME-OAEP LENGTH
Identifies the algorithm parameter value as the intended length of the result produced by EME-OAEP padding mechanism as defined in PKCS#1, Version 2.

ZZZ Mutually agreed
Mutually agreed between trading partners.

0533 Mode of operation code list identifier

Desc: Specification of the code list used to identify the cryptographic mode of operation.

Repr: an..3

1 UN/CEFACT
United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).

0541 Scope of security application, coded

Desc: Specification of the scope of application of the security service defined in the security header.

Repr: an..3

Note 1: It defines the data that have to be taken into account by the related cryptographic process.

1 Security header and message body
The current security header segment group and the object body itself, only. In this case no other security header or security trailer segment group shall be encompassed within this scope.

2 From security header to security trailer
From the current security header segment group, to the associated security trailer segment group. In this case the current security header segment group, the object body and all the other embedded security header and trailer segment groups shall be encompassed within this scope.

3 Whole related message, package, group or interchange
From the first character of the message, group, or interchange to the last character of the message, group or interchange.

4 Interactive security information, security header and message body
Related security information, related interactive security header and interactive message body.

5 Interactive security information plus security header to security trailer
Related security information, security header, all other embedded interactive security headers, interactive message body and all other embedded interactive security trailers.

ZZZ Mutually agreed
The scope of security application is defined in an agreement between sender and receiver.

0543 Certificate original character set repertoire, coded

Desc: Identification of the character set repertoire used to create the certificate it was signed.

Repr: an..3

1 UN/ECE level A
As defined in the basic code table of ISO 646 with the exceptions of lower case letters, alternative graphic character allocations and national or application-oriented graphic character allocations.

2 UN/ECE level B
As defined in the basic code table of ISO 646 with the exceptions of alternative graphic character allocations and national or application-oriented graphic character allocations.

3 UN/ECE level C
As defined in ISO 8859-1 : Information processing - Part 1: Latin alphabet No. 1.

4 UN/ECE level D
As defined in ISO 8859-2 : Information processing - Part 2: Latin alphabet No. 2.

5 UN/ECE level E
As defined in ISO 8859-5 : Information processing - Part 5: Latin/Cyrillic alphabet.

6 UN/ECE level F
As defined in ISO 8859-7 : Information processing - Part 7: Latin/Greek alphabet.

7 UN/ECE level G
As defined in ISO 8859-3 : Information processing - Part 3: Latin alphabet.

8 UN/ECE level H
As defined in ISO 8859-4 : Information processing - Part 4: Latin alphabet.

9 UN/ECE level I
As defined in ISO 8859-6 : Information processing - Part 6: Latin/Arabic alphabet.

10 UN/ECE level J
As defined in ISO 8859-8 : Information processing - Part 8: Latin/Hebrew alphabet.

11 UN/ECE level K
As defined in ISO 8859-9 : Information processing - Part 9: Latin alphabet.

12 UN/ECE level X
Code extension technique as defined by ISO 2022 utilising the escape techniques in accordance with ISO 2375.

13 UN/ECE level Y
ISO 10646-1 octet without code extension technique.

0545 Certificate syntax and version, coded

Desc: Coded identification of the syntax and version used to create the certificate.

Repr: an..3

1 EDIFACT version 4
ISO 9735 version 4.
2 EDIFACT version 3
ISO 9735 version 3.
3 X.509
ISO/IEC 9594-8, ITU X.509 key/certificate reference.
4 PGP
PGP (Pretty Good Privacy) based format key/certificate reference.
5 EDI 5 v1.4
Version 1.4 of the EDI 5 certificate (French national standard).

0551 Service character for signature qualifier

Desc: Identification of the type of service character used when the signature was computed.

Repr: an..3

1 Segment terminator
Specifies that this is the separator at the end of segments.
2 Component data element separator
Specifies that this is the separator between component data elements.
3 Data element separator
Specifies that this is the separator between data elements.
4 Release character
Specifies that this is the release character.
5 Repetition separator
Specifies that this is the separator between repeating data elements.

0563 Validation value, qualifier

Desc: Identification of the type of validation value.

Repr: an..3

1 Unique validation value
Specifies that this is the unique validation value. This code shall be used when the algorithm involved produces a single parameter result (one MAC with DES algorithm, or one digital signature with RSA algorithm, for instance).
2 DSA algorithm r parameter
Specifies that this is the r parameter, resulting of the use of DSA algorithm.
3 DSA algorithm s parameter
Specifies that this is the s parameter, resulting of the use of DSA algorithm.
4 Random number for party A
A random number generated by party A in a key agreement or entity authentication protocol.
5 Random number for party B
A random number generated by party B in a key agreement

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            or entity authentication protocol.
   6      Enciphered block under a symmetric algorithm
            The result of the encipherment of data under a symmetric
            algorithm in an entity authentication protocol.
   7      Enciphered block under an asymmetric algorithm
            The result of the encipherment of data under an
            asymmetric algorithm in an entity authentication
            protocol.
   8      Key agreement value
            The value calculated in a key agreement protocol.

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  0565  Message relation, coded

  Desc: Relationship with another message, past or future.

  Repr: an..3

   1      No relation
            The message is initial.
   2      Response
            The message is a response message.
   3      Response requested
            The message requests an answer.

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  0567  Security status, coded

  Desc: Identification of the security element (key or certificate,
        for instance) status.

  Repr: an..3

   1      Valid
            The security element is valid.
   2      Revoked
            The security element has been revoked.
   3      Unknown
            The status of the security element is unknown.
   4      Discontinued
            The security element should not be used for ?????
   5      Alert
            The security element has been put on alert, but is not
            revoked yet.
   6      Expired
            The validity period of the security element is expired.

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  0569  Revocation reason, coded

  Desc: Identification of the reason why the certificate has been
        revoked.

  Repr: an..3

   1      Owner key compromised
            The owner key linked to this certificate has been
            compromised.
   2      Issuer key compromised
            The issuer key used to generate this certificate has been
            compromised.
   3      Owner changed affiliation
```

The identification details of the certificate are no longer valid.

4 Certificate superseded
This certificate has been renewed and is superseded by another certificate.

5 Certificate terminated
This certificate has reached the end of its validity period and has not been renewed.

6 No information available
This certificate is revoked but the reason is not explicit stated.

ZZZ Mutually agreed
Mutually agreed between trading partners.

0571 Security error, coded

Desc: Identifies the security error causing the rejection of the EDIFACT structure.

Repr: an..3

Note 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.

1 Wrong authenticator
The validation is wrong.

2 Wrong certificate
The certificate is wrong.

3 Certification path
The certification path is incomplete. Cannot verify.

4 Algorithm not supported
The algorithm is not supported.

5 Hashing method not supported
The hashing method is not supported.

6 Protocol error
The stated protocol has not been followed.

7 Security expected but not present
It was expected the user message would be secured (eg using integrated message security or the AUTACK message in authentication mode), but this was not present or received in the expected time period.

8 Security parameters do not match those expected
The parameters specifying the applied security do not match those expected (eg from an interchange agreement).

0575 List parameter qualifier

Desc: Specification of the type of list parameter.

Repr: an..3

ZZZ Mutually defined
Mutually defined between trading partners.

0577 Security party qualifier

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  Desc: Identification of the role of the security party.

  Repr: an..3

   1      Message sender
             Identifies the party which generates the security
             parameters of the message (i.e. security originator).
   2      Message receiver
             Identifies the party which verifies the security
             parameters of the message (i.e. security recipient).
   3      Certificate owner
             Identifies the party which owns the certificate.
   4      Authenticating party
             Party which certifies that the document (i.e. the
             certificate) is authentic.
```

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  0579  Key management function qualifier

  Desc: Specification of the type of key management function.

  Repr: an..3

   101    Registration submission
             Submission of information for registration.
   102    Asymmetric key pair request
             Request a trusted party to generate an asymmetric key
             pair.
   110    Certification request
             Request certification of credentials and public key.
   111    Certificate renewal request
             Request to extend the validity period of the current
             valid key, whose certificate is about to expire.
   112    Certificate replacement request
             Request to replace the current certificate by a new one
             with a different public key (and possibly other
             information).
   121    Certificate (path) retrieval request
             Request the delivery of an existing (valid or revoked)
             certificate, with path details where appropriate.
   123    Certificate list retrieval request
             Request full or partial list of certificate.
   124    Certificate status request
             Request current status of a given certificate.
   125    Certificate validation request
             Request the CA to validate an existing certificate.
   126    Certificate delivery request
             Request the CA to deliver a (valid or revoked)
             certificate to a list of recipients known to the CA or
             specified elsewhere.
   130    Revocation request
             Request revocation of a party's certificate.
   131    Alert request
             Request to put a party's certificate on alert.
   140    Revocation list request
             Request full or partial list of revoked certificates.
   150    Symmetric key request
             Request the delivery of symmetric keys.
   151    Symmetric key discontinuation request
             Request discontinuation of symmetric key.
   152    Asymmetric key discontinuation request
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            Request discontinuation of asymmetric key.
    221     Certificate delivery
            Delivery of an existing (valid or revoked) certificate.
    222     Certificate path delivery
            Delivery of a path.
    224     Certificate status notice
            Notice of current status of a given certificate.
    225     Certificate validation notice
            Notice of validation of an existing certificate.
    231     Revocation confirmation
            Confirmation of revocation of a party's certificate.
    251     Symmetric key delivery
            Delivery of symmetric keys.
    252     Discontinuation acknowledgement
            Acknowledgement of the requested discontinuation.

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  0591  Padding mechanism, coded

  Desc: Padding mechanism or padding scheme applied.

  Repr: an..3

    1       00 padding
            Message padding used for block cipher algorithms. Binary
            0 are padded to fill a message up to a block length. The
            block length is implicit specified through the algorithm
            and mode of operation.
X   2       PKCS #1 padding
            Message padding used for block cipher algorithms
            according to PKCS #1 (published by RSA Inc., 1993).
          Note:
            1. This code value will be removed effective with the
            second release of the service code list in 2002.
    3       ISO 10126 padding
            Message padding used for block cipher algorithms
            according to ISO-10126 specification.
    4       TBSS padding
            Message padding used for block cipher algorithms
            according to TBSS (Swiss standard, published by Telekurs
            AG, 1996).
    5       FF padding
            Message padding used for block cipher algorithms. Binary
            255 are padded to fill a message up to a block length.
            The block length is implicit specified through the
            algorithm and mode of operation.
    6       ISO 9796 #1 padding
            Message padding for digital signature schemes according
            to ISO 9796 part 1.
    7       ISO 9796 #2 padding
            Message padding for digital signature schemes according
            to ISO 9796 part 2.
    8       ISO 9796 #3 padding
            Message padding for digital signature schemes according
            to ISO 9796 part 3.
    9       TBSS envelope padding
            Message padding for digital envelopes according to TBSS
            (Swiss standard, published by Telekurs AG, 1996)
X   10      PKCS #1 envelope padding
            Message padding for digital envelopes according to PKCS
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            #1 (published by RSA Inc, 1993).
          Note:
            1. This code value will be removed effective with the
            second release of the service code list in 2002.
X  11     PKCS #1 signature padding
            Message padding for digital signature schemes according
            to PKCS #1 (published by RSA Inc, 1993).
          Note:
            1. This code value will be removed effective with the
            second release of the service code list in 2002.
   12     BCS signature padding
            Message padding for digital signature schemes according
            to ZKA (German standard published by ZKA 1995).
   13     OAEP
            Optimal Asymmetric Encryption Padding (published in IEEE
            P1363).
   14     RSAES-OAEP
            Padding mechanism specified in PKCS#1, version2, for
            encryption with a RSA public key.
   15     RSAES-PKCS#1-v1_5
            Padding mechanism specified in PKCS#1, version2, for
            encryption with a RSA public key.
   16     RSASA-PKCS-v1_5
            Padding mechanism specified in PKCS#1, version2, for
            digital signatures.
   17     Encryption Block Formatting
            Padding mechanism specified in PKCS#1, version 1.5.
   18     PKCS#5
            Padding mechanism specified in PKCS#5 for symmetric
            encryption.
   19     ANSI X9.23
            Padding mechanism specified in ANSI X9.23 for symmetric
            encryption.

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  0601  Padding mechanism code list identifier

  Desc: Specification of the code list used to identify the padding
        mechanism or padding scheme.

  Repr: an..3

   1      UN/CEFACT
            United Nations Centre for Trade Facilitation and
            Electronic Business (UN/CEFACT).

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  0805  Object type qualifier

  Desc: Qualifier referring to the type of object.

  Repr: an..3

   1      Computer environment type
            Specification of the type of computer environment for
            which the object is intended.
   2      Computer environment version
            Specification of the version of the computer environment
            for which the object is intended.
   3      Computer environment release
            Specification of the release of the computer environment
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for which the object is intended.

5 Computer environment name
Specification of the name of the computer environment for which the object is intended.

6 Non-EDIFACT security level code
Specification of the level such as interchange, group or message at which non-EDIFACT security is applied to the data constituting the object.

7 Non-EDIFACT security version
Specification of the version of the non-EDIFACT security technique applied to the data constituting the object.

8 Non-EDIFACT security release
Specification of the release of the non-EDIFACT security technique applied to the data constituting the object.

9 Non-EDIFACT security technique
Specification of the non-EDIFACT security technique applied to the data constituting the object.

10 Non-EDIFACT security free text information
Free form description of the non-EDIFACT security technique applied to the data constituting the object.

11 File identification by number
Identification number assigned to the file constituting the object.

12 File identification by name
Name assigned to the file constituting the object.

13 File format
Specification of the format of the file constituting the object.

14 File version
Specification of the version of the file constituting the object.

15 File release
Specification of the release of the file constituting the object.

16 File status
Specification of the status of the file constituting the object.

17 File size
Specification of the size of the file constituting the object in bytes.

18 File description
Free form description of the file constituting the object.

19 File block type
Specification of the type of blocking used to partition the file constituting the object.

20 File block length
Specification of the length of the blocks used to partition the file constituting the object.

21 File record length
Specification of the length of the records contained in the file constituting the object expressed as the number of character positions.

22 Program identification by number
Identification number assigned to the program constituting the object.

23 Program identification by name
Name assigned to the program constituting the object.

24 Program type
Specification of the type of program constituting the

object.

25 Program version
Specification of the version of the program constituting the object.

26 Program release
Specification of the release of the program constituting the object.

27 Program status
Specification of the status of the program constituting the object.

28 Program description
Free form description of the program constituting the object.

29 Program size
Specification of the size of the program constituting the object in bytes.

30 Interchange format
Specification of the format of the interchange constituting the object.

31 Interchange version
Specification of the version of the interchange constituting the object.

32 Interchange release
Specification of the release of the interchange constituting the object.

33 Interchange status
Specification of the status of the interchange constituting the object.

34 Interchange identification
Identification number assigned to the interchange constituting the object.

35 Compression technique identification
An identification assigned to the compression technique applied to the object.

36 Compression technique version
Specification of the version of the compression technique applied to the object.

37 Compression technique release
Specification of the release of the compression technique applied to the object.

38 Drawing identification by name
Name assigned to the drawing constituting the object.

39 Drawing identification by number
Identification number assigned to the drawing constituting the object.

40 Drawing type
Specification of the type of drawing constituting the object.

41 Drawing format
Specification of the format of the drawing constituting the object.

42 Drawing version
Specification of the version of the drawing constituting the object.

43 Drawing release
Specification of the release of the drawing constituting the object.

44 Drawing status
Specification of the status of the drawing constituting the object.

45 Drawing size
Specification of the size of the drawing constituting the object in bytes.
46 Drawing description
Free form description of the drawing constituting the object.
48 Filter type
Specification of the type of filtering technique applied to the object.
49 Filter version
Specification of the version of the filtering technique applied to the object.
50 Filter code page
Specification of the code page used for the filtering technique applied to the object.
51 Filter technique
Specification of the filtering technique applied to the object.
52 Character set repertoire identification
Identification of the character set repertoire used for the object.
53 Character set encoding technique
Specification of the character set encoding technique used for the object.
54 Character set encoding technique code page
Specification of the code page used for the character set encoding technique used for the object.
55 Certificate type
Specification of the type of certificate constituting the object.
56 Certificate version
Specification of the version of the certificate constituting the object.
57 Certificate release
Specification of the release of the certificate constituting the object.
58 Certificate status
Specification of the status of the certificate constituting the object.
60 Certificate identification by name
Name assigned to the certificate constituting the object.
61 Certificate identification by number
Identification number assigned to the certificate constituting the object.
62 Certificate format
Specification of the format of the certificate constituting the object.
63 Certificate code page
Specification of the code page used when generating the certificate constituting the object.

0813 Reference qualifier

Desc: Code giving specific meaning to a reference identification number.

Repr: an..3

1 Object identification number

Identification number assigned to an object.

2 Application message reference number
Reference number assigned to a message by a computer application.