

# **SCTS-SC**

**Swedish Customs Technical Specifications  
for Security Concept**

## **Appendix H**

**EDIFACT Segment Descriptions**

**Version 1.0.0  
2010-11-22**



---

**Appendix H            EDIFACT-segment description for message AUTACK**

**Index**

1	Introduction .....	2
2	Symbolism.....	2
2.1	Definitions .....	2
2.2	Components.....	2
3	Message AUTACK .....	2



## **1 Introduction**

This document presents the EDIFACT Segment Descriptions for the messages.



## 2 Symbolism

### 2.1 Definitions

Segment descriptions contain the detailed specification of how each EDIFACT segment is used for each message.

### 2.2 Components

For each occurrence of a segment, the table given shows the following:

Position	Content
Heading, column 1	<p>The segment tag and its position in the EDIFACT message in brackets. They are in bold. The position number for the UNB segment is 0 as it is the interchange header and part of all messages. The position number is the position within the entire UNSM. The segment tables appear in position number order.</p> <p>The position number is followed by the segment name, segment usage (M=mandatory; C=conditional) and the segment occurrence (the maximum number of times it can be used in the transaction).</p>
Heading, column 2	Data group from the FMS that contains the data items carried in the segment. Several data groups can be mapped to the same segment, depending on the segment occurrence (column 1).
Body, column 1	<p>TAG of the composite, component data element and/or simple data element;</p> <p>Name of the composite, component data element (upper case) and/or simple data element (lower case);</p> <p>Usage specified in the UNSM (M=mandatory; C=conditional);</p> <p>Format specified in the UNSM (a=alpha only, n=numeric only, an = alpha-numeric, followed by maximum number of characters allowed. Formats containing '..' (e.g. an..35) signify that the size can be less than or equal to the number of characters shown. Otherwise, size is constant.</p>
Body, column 2	<p>Qualifier value to be used (shown between apostrophes, e.g. '14')</p> <p>qualifier description (in brackets); OR</p> <p>attribute name from FMS, followed by format in brackets</p>
Body, column 3	The 2 Code list applicable.

Table 1: Segment Description Content

The FMS Usage codes included in previous versions of Appendix H have been removed.





### 3 Message AUTACK

UNH[1], MESSAGE HEADER, M/1x		INTERCHANGE - MESSAGE, R/1x			Codelist
0062	MESSAGE REFERENCE NUMBER	M	an..14	<i>Message reference</i>	
S009	MESSAGE IDENTIFIER	M			
0065	Message type	M	an..6	'AUTACK'	
0052	Message version number	M	an..3	'4'	
0054	Message release number	M	an..3	'1'	
0051	Controlling agency	M	an..2	'UN'	
0057	Association assigned code	C	an..6	'SEA02A'	
0068	COMMON ACCESS REFERENCE	C	an..35	-	
S010	STATUS OF THE TRANSFER	C			
0070	Sequence of transfers	M	n..2	-	
0073	First and last transfer	C	a1	-	

USH[2], SECURITY HEADER, M/99x		INTERCHANGE - MESSAGE - SECURITY HEADER, R/1x			Codelist
0501	SECURITY SERVICES, CODED	M	an..3	'7'	K301
0534	SECURITY REFERENCE NUMBER	M	an..14	<i>Security reference number</i>	
0541	SCOPE OF SECURITY APPLICATION, CODED	C	an..3	'3'	K302
0503	RESPONSE TYPE, CODED	C	an..3	-	
0505	FILTER FUNCTION, CODED	C	an..3	'2'	K311
0507	ORIGINAL CHARACTER SET ENCODING, CODED	C	an..3	-	
0509	ROLE OF SECURITY PROVIDER, CODED	C	an..3	'1'	K303
S500	SECURITY IDENTIFICATION DETAILS	C			
0577	Security party qualifier	M	an..3	'ZHI'	K304
0538	Key name	C	an..35	-	
0511	Security party identification	C	an..512	<i>Security party identification</i>	
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	-	
0520	SECURITY SEQUENCE NUMBER	C	an..35	-	
S501	SECURITY DATE AND TIME	C			
0517	Date and time qualifier	M	an..3	'1'	
0338	Event date	C	n..8	<i>Security date (n8), CCYYMMDD</i>	
0314	Event time	C	an..15	<i>Security time (n6), HHMMSS</i>	
0336	Time offset	C	n4	-	

USH(*).USA[3], SECURITY ALGORITHM, C/3x		INTERCHANGE - MESSAGE - SECURITY HEADER - SECURITY ALGORITHM, HASH VALUE, R/1x			Codelist
S502	SECURITY ALGORITHM	M			
0523	Use of algorithm, coded	M	an..3	'1'	K305
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	'48'	K312
0529	Algorithm code list identifier	C	an..3	-	
S503	ALGORITHM PARAMETER	C			
0531	Algorithm parameter qualifier	M	an..3	-	
0554	Algorithm parameter value	M	an..512	-	

USH(*).USC[4], CERTIFICATE, M/1x	INTERCHANGE - MESSAGE - SECURITY HEADER - CERTIFICATE, R/1x			Codelist
0536 CERTIFICATE REFERENCE	C	an..35	<i>Certificate serial number</i>	
S500 SECURITY IDENTIFICATION DETAILS	C			
0577 Security party qualifier	M	an..3	'4'	K309
0538 Key name	C	an..35	<i>By Swedish Customs assigned unique code for used Certificate Authority</i>	
0511 Security party identification	C	an..512	-	
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	-	
0545 CERTIFICATE SYNTAX VERSION, CODED	C	an..3	'3'	K310
0505 FILTER FUNCTION, CODED	C	an..3	-	
0507 ORIGINAL CHARACTER SET ENCODING, CODED	C	an..3	-	
0543 CERTIFICATE ORIGINAL CHARACTER SET REPERTOIRE, CODED	C	an..3	-	
0546 USER AUTHORISATION LEVEL	C	an..35	-	
S505 SERVICE CHARACTER FOR SIGNATURE	C			
0551 Service character for signature qualifier	M	an..3	-	
0548 Service character for signature	M	an..4	-	

USH(*).USC[4], CERTIFICATE, M/1x, continue		INTERCHANGE - MESSAGE - SECURITY HEADER - CERTIFICATE, R/1x			Codelist
S501	SECURITY DATE AND TIME	C			
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	-	
0567	SECURITY STATUS, CODED	C	an..3	-	
0569	REVOCAION REASON, CODED	C	an..3	-	

USH(*).USC(*).USA[5], SECURITY ALGORITHM, C/3x		INTERCHANGE - MESSAGE - SECURITY HEADER – CERTIFICATE - SECURITY ALGORITHM, DIGITAL SIGNATURE, R/1x			Codelist
S502	SECURITY ALGORITHM	M			
0523	Use of algorithm, coded	M	an..3	'6'	K305
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	'10'	K313
0529	Algorithm code list identifier	C	an..3	-	
S503	ALGORITHM PARAMETER	C			
0531	Algorithm parameter qualifier	M	an..3	-	
0554	Algorithm parameter value	M	an..512	-	

USX[8], SECURITY REFERENCES, M/9999x	INTERCHANGE - MESSAGE - SECURITY REFERENCES, R/9999x			Codelist
0020 INTERCHANGE CONTROL REFERENCE	C	an..14		<i>Interchange control reference</i>
S002 INTERCHANGE SENDER	C			
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	-	
S003 INTERCHANGE RECIPIENT	C			
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	-	
0048 GROUP REFERENCE NUMBER	C	an..14	-	
S006 APPLICATION SENDER IDENTIFICATION	C			
0040 Application sender identification	M	an..35	-	
0007 Identification code qualifier	C	an..4	-	
S007 APPLICATION RECIPIENT IDENTIFICATION	C			
0044 Application recipient identification	M	an..35	-	
0007 Identification code qualifier	C	an..4	-	
0062 MESSAGE REFERENCE NUMBER	C	an..14		<i>Message reference number</i>

USX[8], SECURITY REFERENCES, M/9999x, continue

INTERCHANGE - MESSAGE - SECURITY REFERENCES, R/9999x

Codelist

Segment	Field	Card	Length	Description
S009	MESSAGE IDENTIFIER	C		
0065	Message type	M	an..6	<i>Message type</i>
0052	Message version number	M	an..3	<i>Message version number</i>
0054	Message release number	M	an..3	<i>Message release number</i>
0051	Controlling agency, coded	M	an..3	<i>'UN'</i>
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	-
0800	PACKAGE REFERENCE NUMBER	C	an..14	-
S501	SECURITY DATE AND TIME	C		
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	-



---

USX(*).USY[9], SECURITY ON REFERENCES, M/9x	INTERCHANGE - MESSAGE- SECURITY REFERENCES -HASH VALUE , R/1x			Codelist
0534 SECURITY REFERENCE NUMBER	M	an..14	<i>Security reference number</i>	
S508 VALIDATION RESULT	C			
0563 Validation value qualifier	M	an..3	'ZS3'	K308
0560 Validation value	C	an..1024	<i>Cryptographic checksum (hash value)</i>	
0571 SECURITY ERROR, CODED	C	an..3	-	

USX(*).USY[9], SECURITY ON REFERENCES, M/9x	INTERCHANGE - MESSAGE- SECURITY REFERENCES - DIGITAL SIGNATURE , R/1x			Codelist
0534 SECURITY REFERENCE NUMBER	M	an..14	<i>Security reference number</i>	
S508 VALIDATION RESULT	C			
0563 Validation value qualifier	M	an..3	'ZS4'	K308
0560 Validation value	C	an..1024	<i>Encrypted cryptographic checksum (digital signature)</i>	
0571 SECURITY ERROR, CODED	C	an..3	-	

---

**UNT[12], MESSAGE TRAILER, M/1x**

**INTERCHANGE - MESSAGE, R/1x**

**Codelist**

---

0074 NUMBER OF SEGMENTS IN THE MESSAGE

M n..6 *Number of segments in the message*

0062 MESSAGE REFERENCE NUMBER

M an..14 *Message reference*