

---

---

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

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

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

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



STANDARDSISO.COM : Click to view the full PDF of ISO 9735-10:2022



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

# Contents

|                                                                                      | Page      |
|--------------------------------------------------------------------------------------|-----------|
| Foreword.....                                                                        | iv        |
| Introduction.....                                                                    | v         |
| <b>1 Scope.....</b>                                                                  | <b>1</b>  |
| <b>2 Normative references.....</b>                                                   | <b>1</b>  |
| <b>3 Terms and definitions.....</b>                                                  | <b>2</b>  |
| <b>4 Conformance.....</b>                                                            | <b>2</b>  |
| <b>5 Syntax service directories.....</b>                                             | <b>2</b>  |
| 5.1 Service segment directory.....                                                   | 2         |
| 5.1.1 Service segment specification legend.....                                      | 2         |
| 5.1.2 Dependency note identifiers.....                                               | 3         |
| 5.1.3 Index of service segments by tag.....                                          | 3         |
| 5.1.4 Index of service segments by name.....                                         | 4         |
| 5.1.5 Service segment specifications.....                                            | 6         |
| 5.2 Service composite data element directory.....                                    | 27        |
| 5.2.1 Service composite data element specification legend.....                       | 27        |
| 5.2.2 Dependency note identifiers.....                                               | 27        |
| 5.2.3 Index of service composite data elements by tag.....                           | 28        |
| 5.2.4 Index of service composite data elements by name.....                          | 29        |
| 5.2.5 Service composite data element specifications.....                             | 30        |
| 5.3 Service simple data element directory.....                                       | 37        |
| 5.3.1 General.....                                                                   | 37        |
| 5.3.2 Service simple data element specification legend.....                          | 37        |
| 5.3.3 Index of service simple data elements by tag.....                              | 38        |
| 5.3.4 Index of service simple data elements by name.....                             | 41        |
| 5.3.5 Service simple data element specifications.....                                | 44        |
| <b>6 Syntax service code list directory.....</b>                                     | <b>61</b> |
| <b>Annex A (informative) Overview of the syntax service code list directory.....</b> | <b>62</b> |
| <b>Bibliography.....</b>                                                             | <b>73</b> |

## Foreword

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

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

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

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

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

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

This third edition cancels and replaces the second edition (ISO 9735-10:2014), which has been technically revised.

The main changes are as follows:

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

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

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

## Introduction

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

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

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

STANDARDSISO.COM : Click to view the full PDF of ISO 9735-10:2022

STANDARDSISO.COM : Click to view the full PDF of ISO 9735-10:2022

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

## Part 10:

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

### 1 Scope

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

### 2 Normative references

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

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

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

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

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

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

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

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

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

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

### 3 Terms and definitions

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

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

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

### 4 Conformance

Whereas this document shall use a version number of “4” in the mandatory data element 0002 (Syntax version number), and shall use a release number of “02” in the conditional data element 0076 (Syntax release number), each of which appears in the segment UNB (Interchange header), interchanges continuing to use the syntax defined in the earlier published versions shall use the following Syntax version numbers, in order to differentiate them from each other and from this document:

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

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

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

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

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

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

### 5 Syntax service directories

#### 5.1 Service segment directory

##### 5.1.1 Service segment specification legend

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

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

### 5.1.2 Dependency note identifiers

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

See ISO 9735-1:2002, 11.5 for the definition of the dependency note identifiers.

### 5.1.3 Index of service segments by tag

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

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

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

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

#### **5.1.4 Index of service segments by name**

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

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

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

### 5.1.5 Service segment specifications

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

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

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

**Table 1 — Details of UCD DATA ELEMENT ERROR INDICATION segment**

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

**Table 2 — Details of UCF GROUP RESPONSE segment**

| UCF GROUP RESPONSE segment                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                   |   |   |        |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------|---|---|--------|---------------|
| Function: To identify a group in the subject interchange and to indicate acknowledgement or rejection (action taken) of the UNG and UNE segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the group level. Depending on the action code, it may also indicate the action taken on the messages and packages within that group. |      |                                   |   |   |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TAG  | Name                              | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0048 | GROUP REFERENCE NUMBER            | M | 1 | an..14 |               |
| 020                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S006 | APPLICATION SENDER IDENTIFICATION | C | 1 |        | 7             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0040 | Application sender identification | M |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0007 | Identification code qualifier     | C |   | an..4  |               |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                   |   |   |        |               |
| 1 D5(060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                   |   |   |        |               |
| 2 D5(070, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                   |   |   |        |               |
| 3 D5(080, 060, 050, 090) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                   |   |   |        |               |
| 4 D5(090, 080, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                   |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                   |   |   |        |               |
| 5 0135, may only contain the values UNG, UNE, USA, USC, USD, USH, USR, UST, or USU.                                                                                                                                                                                                                                                                                                                                                                               |      |                                   |   |   |        |               |
| 6 This data element shall be present when reporting an error in a security segment.                                                                                                                                                                                                                                                                                                                                                                               |      |                                   |   |   |        |               |
| 7 This data element shall be present if it was present in the subject interchange.                                                                                                                                                                                                                                                                                                                                                                                |      |                                   |   |   |        |               |

Table 2 (continued)

| UCF GROUP RESPONSE segment                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                            |   |   |        |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|---|---|--------|---------------|
| Function: To identify a group in the subject interchange and to indicate acknowledgement or rejection (action taken) of the UNG and UNE segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the group level. Depending on the action code, it may also indicate the action taken on the messages and packages within that group. |      |                                            |   |   |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TAG  | Name                                       | S | R | Repr.  | Notes/Remarks |
| 030                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S007 | APPLICATION RECIPIENT IDENTIFICATION       | C | 1 |        | 7             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0044 | Application recipient identification       | M |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0007 | Identification code qualifier              | C |   | an..4  |               |
| 040                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0083 | ACTION, CODED                              | M | 1 | an..3  |               |
| 050                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0085 | SYNTAX ERROR, CODED                        | C | 1 | an..3  | 1,2,3,4       |
| 060                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0135 | SERVICE SEGMENT TAG, CODED                 | C | 1 | an..3  | 1,2,3,4,5     |
| 070                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S011 | DATA ELEMENT IDENTIFICATION                | C | 1 |        | 2             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0098 | Erroneous data element position in segment | M |   | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0104 | Erroneous component data element position  | C |   | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0136 | Erroneous data element occurrence          | C |   | n..6   |               |
| 080                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0534 | SECURITY REFERENCE NUMBER                  | C | 1 | an..14 | 3,4,6         |
| 090                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0138 | SECURITY SEGMENT POSITION                  | C | 1 | n..6   | 3,4,6         |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                            |   |   |        |               |
| 1 D5(060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                            |   |   |        |               |
| 2 D5(070, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                            |   |   |        |               |
| 3 D5(080, 060, 050, 090) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                            |   |   |        |               |
| 4 D5(090, 080, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                            |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                            |   |   |        |               |
| 5 0135, may only contain the values UNG, UNE, USA, USC, USD, USH, USR, UST, or USU.                                                                                                                                                                                                                                                                                                                                                                               |      |                                            |   |   |        |               |
| 6 This data element shall be present when reporting an error in a security segment.                                                                                                                                                                                                                                                                                                                                                                               |      |                                            |   |   |        |               |
| 7 This data element shall be present if it was present in the subject interchange.                                                                                                                                                                                                                                                                                                                                                                                |      |                                            |   |   |        |               |

Table 3 — Details of UCI INTERCHANGE RESPONSE segment:

| UCI INTERCHANGE RESPONSE segment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |                               |   |   |        |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------|---|---|--------|---------------|
| Function: To identify the subject interchange, to indicate interchange receipt, to indicate acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the interchange level. Depending on the action code, it may also indicate the action taken on the groups, messages, and packages within that interchange. |      |                               |   |   |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TAG  | Name                          | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0020 | INTERCHANGE CONTROL REFERENCE | M | 1 | an..14 |               |
| 020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | S002 | INTERCHANGE SENDER            | M | 1 |        |               |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |                               |   |   |        |               |
| 1 D5(060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                               |   |   |        |               |
| 2 D5(070, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                               |   |   |        |               |
| 3 D5(080, 060, 050, 090) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                               |   |   |        |               |
| 4 D5(090, 080, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                               |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                               |   |   |        |               |
| 5 0135, may only contain the values UNA, UNB, UNZ, USA, USC, USD, USH, USR, UST, or USU.                                                                                                                                                                                                                                                                                                                                                                                                                       |      |                               |   |   |        |               |
| 6 This data element shall be present when reporting an error in a security segment.                                                                                                                                                                                                                                                                                                                                                                                                                            |      |                               |   |   |        |               |

Table 3 (continued)

| UCI INTERCHANGE RESPONSE segment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |                                                   |   |   |        |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------|---|---|--------|---------------|
| Function: To identify the subject interchange, to indicate interchange receipt, to indicate acknowledgement or rejection (action taken) of the UNA, UNB and UNZ segments, and to identify any error related to these segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the interchange level. Depending on the action code, it may also indicate the action taken on the groups, messages, and packages within that interchange. |      |                                                   |   |   |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TAG  | Name                                              | S | R | Repr.  | Notes/Remarks |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0004 | Interchange sender identification                 | M |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0008 | Interchange sender internal identification        | C |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0042 | Interchange sender internal sub-identification    | C |   | an..35 |               |
| 030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | S003 | INTERCHANGE RECIPIENT                             | M | 1 |        |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0010 | Interchange recipient identification              | M |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0014 | Interchange recipient internal identification     | C |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0046 | Interchange recipient internal sub-identification | C |   | an..35 |               |
| 040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0083 | ACTION, CODED                                     | M | 1 | an..3  |               |
| 050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0085 | SYNTAX ERROR, CODED                               | C | 1 | an..3  | 1,2,3,4       |
| 060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0135 | SERVICE SEGMENT TAG, CODED                        | C | 1 | an..3  | 1,2,3,4,5     |
| 070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | S011 | DATA ELEMENT IDENTIFICATION                       | C | 1 |        | 2             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0098 | Erroneous data element position in segment        | M |   | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0104 | Erroneous component data element position         | C |   | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0136 | Erroneous data element occurrence                 | C |   | n..6   |               |
| 080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0534 | SECURITY REFERENCE NUMBER                         | C | 1 | an..14 | 3,4,6         |
| 090                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0138 | SECURITY SEGMENT POSITION                         | C | 1 | n..6   | 3,4,6         |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |                                                   |   |   |        |               |
| 1 D5(060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                   |   |   |        |               |
| 2 D5(070, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                   |   |   |        |               |
| 3 D5(080, 060, 050, 090) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                   |   |   |        |               |
| 4 D5(090, 080, 060, 050) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                   |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                   |   |   |        |               |
| 5 0135, may only contain the values UNA, UNB, UNZ, USA, USC, USD, USH, USR, UST, or USU.                                                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                   |   |   |        |               |
| 6 This data element shall be present when reporting an error in a security segment.                                                                                                                                                                                                                                                                                                                                                                                                                            |      |                                                   |   |   |        |               |

**Table 4 — Details of UCM MESSAGE/PACKAGE RESPONSE segment**

| UCM MESSAGE/PACKAGE RESPONSE segment                                                                                                                                                                                                                                                                                                                                                          |      |                                            |   |    |        |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|---|----|--------|---------------|
| Function: To identify a message or package in the subject interchange, and to indicate that message's or package's acknowledgement or rejection (action taken), and to identify any error related to the UNH, UNT, UNO, and UNP segments. It can also identify errors related to the USA, USC, USD, USH, USR, UST, or USU security segments when they appear at the message or package level. |      |                                            |   |    |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                           | TAG  | Name                                       | S | R  | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                                                                                                                                                                                                                                           | 0062 | MESSAGE REFERENCE NUMBER                   | C | 1  | an..14 | 1,2           |
| 020                                                                                                                                                                                                                                                                                                                                                                                           | S009 | MESSAGE IDENTIFIER                         | C | 1  |        | 2             |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0065 | Message type                               | M |    | an..6  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0052 | Message version number                     | M |    | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0054 | Message release number                     | M |    | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0051 | Controlling agency, coded                  | M |    | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0057 | Association assigned code                  | C |    | an..6  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0110 | Code list directory version number         | C |    | an..6  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0113 | Message type sub-function identification   | C |    | an..6  |               |
| 030                                                                                                                                                                                                                                                                                                                                                                                           | 0083 | ACTION, CODED                              | M | 1  | an..3  |               |
| 040                                                                                                                                                                                                                                                                                                                                                                                           | 0085 | SYNTAX ERROR, CODED                        | C | 1  | an..3  | 4,5,6,7       |
| 050                                                                                                                                                                                                                                                                                                                                                                                           | 0135 | SERVICE SEGMENT TAG, CODED                 | C | 1  | an..3  | 4,5,6,7,8     |
| 060                                                                                                                                                                                                                                                                                                                                                                                           | S011 | DATA ELEMENT IDENTIFICATION                | C | 1  |        | 5             |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0098 | Erroneous data element position in segment | M |    | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0104 | Erroneous component data element position  | C |    | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0136 | Erroneous data element occurrence          | C |    | n..6   |               |
| 070                                                                                                                                                                                                                                                                                                                                                                                           | 0800 | PACKAGE REFERENCE NUMBER                   | C | 1  | an..35 | 1,3           |
| 080                                                                                                                                                                                                                                                                                                                                                                                           | S020 | REFERENCE IDENTIFICATION                   | C | 99 |        | 3             |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0813 | Reference qualifier                        | M |    | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                               | 0802 | Reference identification number            | M |    | an..35 |               |
| 090                                                                                                                                                                                                                                                                                                                                                                                           | 0534 | SECURITY REFERENCE NUMBER                  | C | 1  | an..14 | 6,7,9         |
| 100                                                                                                                                                                                                                                                                                                                                                                                           | 0138 | SECURITY SEGMENT POSITION                  | C | 1  | n..6   | 6,7,9         |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                             |      |                                            |   |    |        |               |
| 1 D1(010, 070) One and only one.                                                                                                                                                                                                                                                                                                                                                              |      |                                            |   |    |        |               |
| 2 D2(010, 020) All or none.                                                                                                                                                                                                                                                                                                                                                                   |      |                                            |   |    |        |               |
| 3 D2(070, 080) All or none.                                                                                                                                                                                                                                                                                                                                                                   |      |                                            |   |    |        |               |
| 4 D5(050, 040) If first, then all.                                                                                                                                                                                                                                                                                                                                                            |      |                                            |   |    |        |               |
| 5 D5(060, 050, 040) If first, then all.                                                                                                                                                                                                                                                                                                                                                       |      |                                            |   |    |        |               |
| 6 D5(090, 050, 040, 100) If first, then all.                                                                                                                                                                                                                                                                                                                                                  |      |                                            |   |    |        |               |
| 7 D5(100, 090, 050, 040) If first, then all.                                                                                                                                                                                                                                                                                                                                                  |      |                                            |   |    |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                |      |                                            |   |    |        |               |
| 8 0135, may only contain the values UNH, UNT, UNO, UNP, USA, USC, USD, USH, USR, UST, or USU.                                                                                                                                                                                                                                                                                                 |      |                                            |   |    |        |               |
| 9 This data element shall be present when reporting an error in a security segment.                                                                                                                                                                                                                                                                                                           |      |                                            |   |    |        |               |

**Table 5 — Details of UCS SEGMENT ERROR INDICATION segment**

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

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

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

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

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

**Table 8 — Details of UIB INTERACTIVE INTERCHANGE HEADER segment**

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

Table 8 (continued)

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

Table 8 (continued)

| UIB INTERACTIVE INTERCHANGE HEADER segment                                                                                                                                                                                       |      |                                                   |   |   |        |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------|---|---|--------|---------------|
| Function: To head and identify an interchange.                                                                                                                                                                                   |      |                                                   |   |   |        |               |
| Pos                                                                                                                                                                                                                              | TAG  | Name                                              | S | R | Repr.  | Notes/Remarks |
|                                                                                                                                                                                                                                  | 0014 | Interchange recipient internal identification     | C |   | an..35 |               |
|                                                                                                                                                                                                                                  | 0046 | Interchange recipient internal sub-identification | C |   | an..35 |               |
| 080                                                                                                                                                                                                                              | S300 | DATE AND/OR TIME OF INITIATION                    | C | 1 |        |               |
|                                                                                                                                                                                                                                  | 0338 | Event date                                        | C |   | n..8   |               |
|                                                                                                                                                                                                                                  | 0314 | Event time                                        | C |   | an..15 |               |
|                                                                                                                                                                                                                                  | 0336 | Time offset                                       | C |   | n4     |               |
| 090                                                                                                                                                                                                                              | 0325 | DUPLICATE INDICATOR                               | C | 1 | a1     | 6             |
| 100                                                                                                                                                                                                                              | 0035 | TEST INDICATOR                                    | C | 1 | n1     | 7             |
| DEPENDENCY NOTES:                                                                                                                                                                                                                |      |                                                   |   |   |        |               |
| 1 D5(030, 020) If first, then all.                                                                                                                                                                                               |      |                                                   |   |   |        |               |
| 2 D5(050, 020) If first, then all.                                                                                                                                                                                               |      |                                                   |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                   |      |                                                   |   |   |        |               |
| 3 S001/0002, shall be "4" to indicate this version of the syntax.                                                                                                                                                                |      |                                                   |   |   |        |               |
| 4 S302/0304, when provided by the responder, shall be returned by the initiator throughout the dialogue.                                                                                                                         |      |                                                   |   |   |        |               |
| 5 S002/0004, may be same as S302/0303 for initiator of transaction.                                                                                                                                                              |      |                                                   |   |   |        |               |
| 6 0325, only used if the interchange is a duplicate transfer.                                                                                                                                                                    |      |                                                   |   |   |        |               |
| 7 0035, set by the initiator if the dialogue is a test. Applies to every subsequent message and service segment in the dialogue. Otherwise not used.                                                                             |      |                                                   |   |   |        |               |
| 8 Dialogue and transaction control can be accomplished through the dialogue (S302) and transaction (S303) references. Optionally, if another means of control is chosen, these two composite data elements need not be utilized. |      |                                                   |   |   |        |               |

Table 9 — Details of UIH INTERACTIVE MESSAGE HEADER segment

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

Table 9 (continued)

| UIH INTERACTIVE MESSAGE HEADER segment                                                                                                                                             |      |                                    |   |   |        |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|---|---|--------|---------------|
| Function: To head, identify and specify a message.                                                                                                                                 |      |                                    |   |   |        |               |
| Pos                                                                                                                                                                                | TAG  | Name                               | S | R | Repr.  | Notes/Remarks |
|                                                                                                                                                                                    | 0303 | Initiator reference identification | C |   | an..35 |               |
|                                                                                                                                                                                    | 0051 | Controlling agency, coded          | C |   | an..3  |               |
|                                                                                                                                                                                    | 0304 | Responder control reference        | C |   | an..35 |               |
| 040                                                                                                                                                                                | S301 | STATUS OF TRANSFER - INTERACTIVE   | C | 1 |        |               |
|                                                                                                                                                                                    | 0320 | Sender sequence number             | C |   | n..6   |               |
|                                                                                                                                                                                    | 0323 | Transfer position, coded           | C |   | a1     |               |
|                                                                                                                                                                                    | 0325 | Duplicate Indicator                | C |   | a1     |               |
| 050                                                                                                                                                                                | S300 | DATE AND/OR TIME OF INITIATION     | C | 1 |        |               |
|                                                                                                                                                                                    | 0338 | Event date                         | C |   | n..8   |               |
|                                                                                                                                                                                    | 0314 | Event time                         | C |   | an..15 |               |
|                                                                                                                                                                                    | 0336 | Time offset                        | C |   | n4     |               |
| 060                                                                                                                                                                                | 0035 | TEST INDICATOR                     | C | 1 | n1     | 3             |
| REMARKS:                                                                                                                                                                           |      |                                    |   |   |        |               |
| 1 The value in 0340 shall be unique within the interchange (except for a duplicate transfer).                                                                                      |      |                                    |   |   |        |               |
| 2 The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.                                                                                            |      |                                    |   |   |        |               |
| 3 0035, when used, test applies to the message only.                                                                                                                               |      |                                    |   |   |        |               |
| 4 Dialogue control can be accomplished through the dialogue reference (S302). Optionally, if another means of control is chosen, this composite data element need not be utilized. |      |                                    |   |   |        |               |
| 5 A combination of 0340 and S302 may be used to identify uniquely a message.                                                                                                       |      |                                    |   |   |        |               |

Table 10 — Details of UIR INTERACTIVE STATUS segment

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

Table 10 (continued)

| UIR INTERACTIVE STATUS segment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                                            |   |   |        |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|---|---|--------|---------------|
| Function: To report the status of the dialogue.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                            |   |   |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TAG  | Name                                       | S | R | Repr.  | Notes/Remarks |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0303 | Initiator reference identification         | C |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0051 | Controlling agency, coded                  | C |   | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0304 | Responder control reference                | C |   | an..35 |               |
| 040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S300 | DATE AND/OR TIME OF INITIATION             | C | 1 |        |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0338 | Event date                                 | C |   | n..8   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0314 | Event time                                 | C |   | an..15 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0336 | Time offset                                | C |   | n4     |               |
| 050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0340 | INTERACTIVE MESSAGE REFERENCE NUMBER       | C | 1 | an..35 | 1,4           |
| 060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0800 | PACKAGE REFERENCE NUMBER                   | C | 1 | an..35 | 1,5           |
| 070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0085 | SYNTAX ERROR, CODED                        | C | 1 | an..3  | 2,3           |
| 080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0096 | SEGMENT POSITION IN MESSAGE BODY           | C | 1 | n..6   | 2,3           |
| 090                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S011 | DATA ELEMENT IDENTIFICATION                | C | 1 |        | 3             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0098 | Erroneous data element position in segment | M |   | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0104 | Erroneous component data element position  | C |   | n..3   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0136 | Erroneous data element occurrence          | C |   | n..6   |               |
| <p>GENERAL REMARK:</p> <p>To avoid endless loops, the UIR segment is not used to respond to a UIR received with syntax errors.</p> <p>DEPENDENCY NOTES:</p> <p>1 D1(050, 060) One and only one.</p> <p>2 D5(080, 070) If first, then all.</p> <p>3 D5(090, 070, 080) If first, then all.</p> <p>OTHER REMARKS:</p> <p>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.</p> <p>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.</p> |      |                                            |   |   |        |               |

Table 11 — Details of UIT INTERACTIVE MESSAGE TRAILER segment

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

**Table 12 — Details of UIZ INTERACTIVE INTERCHANGE TRAILER segment**

| UIZ INTERACTIVE INTERCHANGE TRAILER segment                                                                         |      |                                    |   |   |        |               |
|---------------------------------------------------------------------------------------------------------------------|------|------------------------------------|---|---|--------|---------------|
| Function: To end and check the completeness of an interchange.                                                      |      |                                    |   |   |        |               |
| Pos                                                                                                                 | TAG  | Name                               | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                 | S302 | DIALOGUE REFERENCE                 | C | 1 |        | 1             |
|                                                                                                                     | 0300 | Initiator control reference        | M |   | an..35 |               |
|                                                                                                                     | 0303 | Initiator reference identification | C |   | an..35 |               |
|                                                                                                                     | 0051 | Controlling agency, coded          | C |   | an..3  |               |
|                                                                                                                     | 0304 | Responder control reference        | C |   | an..35 |               |
| 020                                                                                                                 | 0036 | INTERCHANGE CONTROL COUNT          | C | 1 | n..6   |               |
| 030                                                                                                                 | 0325 | DUPLICATE INDICATOR                | C | 1 | a1     | 2             |
| REMARKS:                                                                                                            |      |                                    |   |   |        |               |
| 1 S302, the value shall be identical to the value in the responder's dialogue reference in S302 in the UIB segment. |      |                                    |   |   |        |               |
| 2 0325, only used if the interchange is a duplicate transfer.                                                       |      |                                    |   |   |        |               |

**Table 13 — Details of UNB INTERCHANGE HEADER segment**

| UNB INTERCHANGE HEADER segment                                                                                                                                       |      |                                                   |   |   |        |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------|---|---|--------|---------------|
| Function: To identify an interchange.                                                                                                                                |      |                                                   |   |   |        |               |
| Pos                                                                                                                                                                  | TAG  | Name                                              | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                  | S001 | SYNTAX IDENTIFIER                                 | M | 1 |        | 1             |
|                                                                                                                                                                      | 0001 | Syntax identifier                                 | M |   | a4     |               |
|                                                                                                                                                                      | 0002 | Syntax version number                             | M |   | an1    |               |
|                                                                                                                                                                      | 0080 | Service code list directory version number        | C |   | an..6  |               |
|                                                                                                                                                                      | 0133 | Character encoding, coded                         | C |   | an..3  |               |
|                                                                                                                                                                      | 0076 | Syntax release number                             | C |   | an2    |               |
| 020                                                                                                                                                                  | S002 | INTERCHANGE SENDER                                | M | 1 |        | 2             |
|                                                                                                                                                                      | 0004 | Interchange sender identification                 | M |   | an..35 |               |
|                                                                                                                                                                      | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                                                                                                                                      | 0008 | Interchange sender internal identification        | C |   | an..35 |               |
|                                                                                                                                                                      | 0042 | Interchange sender internal sub-identification    | C |   | an..35 |               |
| 030                                                                                                                                                                  | S003 | INTERCHANGE RECIPIENT                             | M | 1 |        | 2             |
|                                                                                                                                                                      | 0010 | Interchange recipient identification              | M |   | an..35 |               |
|                                                                                                                                                                      | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                                                                                                                                      | 0014 | Interchange recipient internal identification     | C |   | an..35 |               |
|                                                                                                                                                                      | 0046 | Interchange recipient internal sub-identification | C |   | an..35 |               |
| 040                                                                                                                                                                  | S004 | DATE AND TIME OF PREPARATION                      | M | 1 |        |               |
|                                                                                                                                                                      | 0017 | Date                                              | M |   | n8     |               |
|                                                                                                                                                                      | 0019 | Time                                              | M |   | n4     |               |
| 050                                                                                                                                                                  | 0020 | INTERCHANGE CONTROL REFERENCE                     | M | 1 | an..14 | 2             |
| 060                                                                                                                                                                  | S005 | RECIPIENT REFERENCE/PASSWORD DETAILS              | C | 1 |        |               |
|                                                                                                                                                                      | 0022 | Recipient reference/password                      | M |   | an..14 |               |
|                                                                                                                                                                      | 0025 | Recipient reference/password qualifier            | C |   | an2    |               |
| REMARKS:                                                                                                                                                             |      |                                                   |   |   |        |               |
| 1 S001/0002, shall be "4" to indicate this version of the syntax.                                                                                                    |      |                                                   |   |   |        |               |
| 2 The combination of the values carried in data elements S002, S003 and 0020 shall be used to identify uniquely the interchange, for the purpose of acknowledgement. |      |                                                   |   |   |        |               |

Table 13 (continued)

| UNB INTERCHANGE HEADER segment                                                                                                                                       |      |                                  |   |   |        |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------|---|---|--------|---------------|
| Function: To identify an interchange.                                                                                                                                |      |                                  |   |   |        |               |
| Pos                                                                                                                                                                  | TAG  | Name                             | S | R | Repr.  | Notes/Remarks |
| 070                                                                                                                                                                  | 0026 | APPLICATION REFERENCE            | C | 1 | an..14 |               |
| 080                                                                                                                                                                  | 0029 | PROCESSING PRIORITY CODE         | C | 1 | a1     |               |
| 090                                                                                                                                                                  | 0031 | ACKNOWLEDGEMENT REQUEST          | C | 1 | n1     |               |
| 100                                                                                                                                                                  | 0032 | INTERCHANGE AGREEMENT IDENTIFIER | C | 1 | an..35 |               |
| 110                                                                                                                                                                  | 0035 | TEST INDICATOR                   | C | 1 | n1     |               |
| REMARKS:                                                                                                                                                             |      |                                  |   |   |        |               |
| 1 S001/0002, shall be "4" to indicate this version of the syntax.                                                                                                    |      |                                  |   |   |        |               |
| 2 The combination of the values carried in data elements S002, S003 and 0020 shall be used to identify uniquely the interchange, for the purpose of acknowledgement. |      |                                  |   |   |        |               |

Table 14 — Details of UNE GROUP TRAILER segment

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

Table 15 — Details of UNG GROUP HEADER segment

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

Table 15 (continued)

| UNG GROUP HEADER segment                                                                                                                                                              |        |                              |   |   |        |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------|---|---|--------|---------------|
| Function: To head, identify and specify a group of messages and/or packages, which may be used for internal routing and which may contain one or more message types and/or packages.  |        |                              |   |   |        |               |
| Pos                                                                                                                                                                                   | TAG    | Name                         | S | R | Repr.  | Notes/Remarks |
| 040                                                                                                                                                                                   | S004   | DATE AND TIME OF PREPARATION | C | 1 |        | 3             |
|                                                                                                                                                                                       | 0017   | Date                         | M |   | n8     |               |
|                                                                                                                                                                                       | 0019   | Time                         | M |   | n4     |               |
| 050                                                                                                                                                                                   | 0048   | GROUP REFERENCE NUMBER       | M | 1 | an..14 | 5             |
| 060                                                                                                                                                                                   | 0051   | CONTROLLING AGENCY, CODED    | C | 1 | an..3  | 1,2,4         |
| 070                                                                                                                                                                                   | X S008 | MESSAGE VERSION              | C | 1 |        | 1,2,4         |
|                                                                                                                                                                                       | 0052   | Message version number       | M |   | an..3  |               |
|                                                                                                                                                                                       | 0054   | Message release number       | M |   | an..3  |               |
|                                                                                                                                                                                       | 0057   | Association assigned code    | C |   | an..6  |               |
| 080                                                                                                                                                                                   | 0058   | APPLICATION PASSWORD         | C | 1 | an..14 |               |
| DEPENDENCY NOTES:                                                                                                                                                                     |        |                              |   |   |        |               |
| 1 D2(010, 060, 070) All or none.                                                                                                                                                      |        |                              |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                        |        |                              |   |   |        |               |
| 2 This data element is only used if the following conditions apply:                                                                                                                   |        |                              |   |   |        |               |
| i) the group contains messages only, and                                                                                                                                              |        |                              |   |   |        |               |
| ii) the messages are of a single message type.                                                                                                                                        |        |                              |   |   |        |               |
| 3 S004, if S004 is not present in UNG, the date and time of preparation is the same as indicated for the interchange in S004 in UNB.                                                  |        |                              |   |   |        |               |
| 4 This data element will be deleted from the UNG segment in the next version of the standard. Therefore, its use in UNG is not recommended.                                           |        |                              |   |   |        |               |
| 5 The combination of the values carried in data elements S006, S007 and 0048 shall be used to identify uniquely the group within its interchange, for the purpose of acknowledgement. |        |                              |   |   |        |               |

Table 16 — Details of UNH MESSAGE HEADER segment

| UNH MESSAGE HEADER segment                                                                                                                                                                                                   |      |                                          |   |   |        |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|---|---|--------|---------------|
| Function: To head, identify and specify a message.                                                                                                                                                                           |      |                                          |   |   |        |               |
| Pos                                                                                                                                                                                                                          | TAG  | Name                                     | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                                                                          | 0062 | MESSAGE REFERENCE NUMBER                 | M | 1 | an..14 | 2             |
| 020                                                                                                                                                                                                                          | S009 | MESSAGE IDENTIFIER                       | M | 1 |        | 1,2           |
|                                                                                                                                                                                                                              | 0065 | Message type                             | M |   | an..6  |               |
|                                                                                                                                                                                                                              | 0052 | Message version number                   | M |   | an..3  |               |
|                                                                                                                                                                                                                              | 0054 | Message release number                   | M |   | an..3  |               |
|                                                                                                                                                                                                                              | 0051 | Controlling agency, coded                | M |   | an..3  |               |
|                                                                                                                                                                                                                              | 0057 | Association assigned code                | C |   | an..6  |               |
|                                                                                                                                                                                                                              | 0110 | Code list directory version number       | C |   | an..6  |               |
|                                                                                                                                                                                                                              | 0113 | Message type sub-function identification | C |   | an..6  |               |
| 030                                                                                                                                                                                                                          | 0068 | COMMON ACCESS REFERENCE                  | C | 1 | an..35 |               |
| 040                                                                                                                                                                                                                          | S010 | STATUS OF THE TRANSFER                   | C | 1 |        |               |
| REMARKS:                                                                                                                                                                                                                     |      |                                          |   |   |        |               |
| 1 Data element S009/0057 is retained for upward compatibility. The use of S016 and/or S017 is encouraged in preference.                                                                                                      |      |                                          |   |   |        |               |
| 2 The combination of the values carried in data elements 0062 and S009 shall be used to identify uniquely the message within its group (if used) or if not used, within its interchange, for the purpose of acknowledgement. |      |                                          |   |   |        |               |

Table 16 (continued)

| UNH MESSAGE HEADER segment                                                                                                                                                                                                   |      |                                                 |   |   |        |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------|---|---|--------|---------------|
| Function: To head, identify and specify a message.                                                                                                                                                                           |      |                                                 |   |   |        |               |
| Pos                                                                                                                                                                                                                          | TAG  | Name                                            | S | R | Repr.  | Notes/Remarks |
|                                                                                                                                                                                                                              | 0070 | Sequence of transfers                           | M |   | n..2   |               |
|                                                                                                                                                                                                                              | 0073 | First and last transfer                         | C |   | a1     |               |
| 050                                                                                                                                                                                                                          | S016 | MESSAGE SUBSET IDENTIFICATION                   | C | 1 |        | 1             |
|                                                                                                                                                                                                                              | 0115 | Message subset identification                   | M |   | an..14 |               |
|                                                                                                                                                                                                                              | 0116 | Message subset version number                   | C |   | an..3  |               |
|                                                                                                                                                                                                                              | 0118 | Message subset release number                   | C |   | an..3  |               |
|                                                                                                                                                                                                                              | 0051 | Controlling agency, coded                       | C |   | an..3  |               |
| 060                                                                                                                                                                                                                          | S017 | MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION | C | 1 |        | 1             |
|                                                                                                                                                                                                                              | 0121 | Message implementation guideline identification | M |   | an..14 |               |
|                                                                                                                                                                                                                              | 0122 | Message implementation guideline version number | C |   | an..3  |               |
|                                                                                                                                                                                                                              | 0124 | Message implementation guideline release number | C |   | an..3  |               |
|                                                                                                                                                                                                                              | 0051 | Controlling agency, coded                       | C |   | an..3  |               |
| 070                                                                                                                                                                                                                          | S018 | SCENARIO IDENTIFICATION                         | C | 1 |        |               |
|                                                                                                                                                                                                                              | 0127 | Scenario identification                         | M |   | an..14 |               |
|                                                                                                                                                                                                                              | 0128 | Scenario version number                         | C |   | an..3  |               |
|                                                                                                                                                                                                                              | 0130 | Scenario release number                         | C |   | an..3  |               |
|                                                                                                                                                                                                                              | 0051 | Controlling agency, coded                       | C |   | an..3  |               |
| REMARKS:                                                                                                                                                                                                                     |      |                                                 |   |   |        |               |
| 1 Data element S009/0057 is retained for upward compatibility. The use of S016 and/or S017 is encouraged in preference.                                                                                                      |      |                                                 |   |   |        |               |
| 2 The combination of the values carried in data elements 0062 and S009 shall be used to identify uniquely the message within its group (if used) or if not used, within its interchange, for the purpose of acknowledgement. |      |                                                 |   |   |        |               |

Table 17 — Details of UNO OBJECT HEADER segment

| UNO OBJECT HEADER segment                                                                     |      |                                      |   |    |         |               |
|-----------------------------------------------------------------------------------------------|------|--------------------------------------|---|----|---------|---------------|
| Function: To head, identify and specify an object.                                            |      |                                      |   |    |         |               |
| Pos                                                                                           | TAG  | Name                                 | S | R  | Repr.   | Notes/Remarks |
| 010                                                                                           | 0800 | PACKAGE REFERENCE NUMBER             | M | 1  | an..35  | 1             |
| 020                                                                                           | S020 | REFERENCE IDENTIFICATION             | M | 99 |         | 2             |
|                                                                                               | 0813 | Reference qualifier                  | M |    | an..3   |               |
|                                                                                               | 0802 | Reference identification number      | M |    | an..35  |               |
| 030                                                                                           | S021 | OBJECT TYPE IDENTIFICATION           | M | 99 |         | 3             |
|                                                                                               | 0805 | Object type qualifier                | M |    | an..3   |               |
|                                                                                               | 0809 | Object type attribute identification | C |    | an..256 |               |
|                                                                                               | 0808 | Object type attribute                | C |    | an..256 |               |
| REMARKS:                                                                                      |      |                                      |   |    |         |               |
| 1 The value in 0800 shall be unique within the interchange (except for a duplicate transfer). |      |                                      |   |    |         |               |
| 2 One mandatory occurrence of S020 shall identify the Object Identification Number.           |      |                                      |   |    |         |               |
| 3 One occurrence of S021 is mandatory and shall be used for file format identification.       |      |                                      |   |    |         |               |
| 4 Data elements S302, S301, S300 and 0035 are for interactive EDI use only:                   |      |                                      |   |    |         |               |
| - The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.       |      |                                      |   |    |         |               |
| - 0035, when used, test applies to the message or package only.                               |      |                                      |   |    |         |               |

Table 17 (continued)

| UNO OBJECT HEADER segment                                                                     |      |                                    |   |   |        |               |
|-----------------------------------------------------------------------------------------------|------|------------------------------------|---|---|--------|---------------|
| Function: To head, identify and specify an object.                                            |      |                                    |   |   |        |               |
| Pos                                                                                           | TAG  | Name                               | S | R | Repr.  | Notes/Remarks |
|                                                                                               | 0051 | Controlling agency, coded          | C |   | an..3  |               |
| 040                                                                                           | S022 | STATUS OF THE OBJECT               | M | 1 |        |               |
|                                                                                               | 0810 | Length of object in octets of bits | M |   | n..18  |               |
|                                                                                               | 0814 | Number of segments before object   | C |   | n..3   |               |
|                                                                                               | 0070 | Sequence of transfers              | C |   | n..2   |               |
|                                                                                               | 0073 | First and last transfer            | C |   | a1     |               |
| 050                                                                                           | S302 | DIALOGUE REFERENCE                 | C | 1 |        | 4             |
|                                                                                               | 0300 | Initiator control reference        | M |   | an..35 |               |
|                                                                                               | 0303 | Initiator reference identification | C |   | an..35 |               |
|                                                                                               | 0051 | Controlling agency, coded          | C |   | an..3  |               |
|                                                                                               | 0304 | Responder control reference        | C |   | an..35 |               |
| 060                                                                                           | S301 | STATUS OF TRANSFER - INTERACTIVE   | C | 1 |        | 4             |
|                                                                                               | 0320 | Sender sequence number             | C |   | n..6   |               |
|                                                                                               | 0323 | Transfer position, coded           | C |   | a1     |               |
|                                                                                               | 0325 | Duplicate Indicator                | C |   | a1     |               |
| 070                                                                                           | S300 | DATE AND/OR TIME OF INITIATION     | C | 1 |        | 4             |
|                                                                                               | 0338 | Event date                         | C |   | n..8   |               |
|                                                                                               | 0314 | Event time                         | C |   | an..15 |               |
|                                                                                               | 0336 | Time offset                        | C |   | n4     |               |
| 080                                                                                           | 0035 | TEST INDICATOR                     | C | 1 | n1     | 4             |
| REMARKS:                                                                                      |      |                                    |   |   |        |               |
| 1 The value in 0800 shall be unique within the interchange (except for a duplicate transfer). |      |                                    |   |   |        |               |
| 2 One mandatory occurrence of S020 shall identify the Object Identification Number.           |      |                                    |   |   |        |               |
| 3 One occurrence of S021 is mandatory and shall be used for file format identification.       |      |                                    |   |   |        |               |
| 4 Data elements S302, S301, S300 and 0035 are for interactive EDI use only:                   |      |                                    |   |   |        |               |
| - The value(s) in S302 shall be identical to the value(s) in S302 in the preceding UIB.       |      |                                    |   |   |        |               |
| - 0035, when used, test applies to the message or package only.                               |      |                                    |   |   |        |               |

Table 18 — Details of UNP OBJECT TRAILER segment

| UNP OBJECT TRAILER segment                                           |      |                                    |   |   |        |               |
|----------------------------------------------------------------------|------|------------------------------------|---|---|--------|---------------|
| Function: To end and check the completeness of an object.            |      |                                    |   |   |        |               |
| Pos                                                                  | TAG  | Name                               | S | R | Repr.  | Notes/Remarks |
| 010                                                                  | 0810 | LENGTH OF OBJECT IN OCTETS OF BITS | M | 1 | n..18  | 1             |
| 020                                                                  | 0800 | PACKAGE REFERENCE NUMBER           | M | 1 | an..35 | 2             |
| REMARKS:                                                             |      |                                    |   |   |        |               |
| 1 0810, shall be identical to the value in data element 0810 in UNO. |      |                                    |   |   |        |               |
| 2 0800, shall be identical to the value in data element 0800 in UNO. |      |                                    |   |   |        |               |

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

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

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

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

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

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

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

| USA SECURITY ALGORITHM segment                                                                                                                                                                                                                                  |      |                                        |   |   |         |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|---|---|---------|---------------|
| Function: To identify a security algorithm, the technical usage made of it, and to contain the technical parameters required.                                                                                                                                   |      |                                        |   |   |         |               |
| Pos                                                                                                                                                                                                                                                             | TAG  | Name                                   | S | R | Repr.   | Notes/Remarks |
| 010                                                                                                                                                                                                                                                             | S502 | SECURITY ALGORITHM                     | M | 1 |         |               |
|                                                                                                                                                                                                                                                                 | 0523 | Use of algorithm, coded                | M |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0525 | Cryptographic mode of operation, coded | C |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0533 | Mode of operation code list identifier | C |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0527 | Algorithm, coded                       | C |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0529 | Algorithm code list identifier         | C |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0591 | Padding mechanism, coded               | C |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0601 | Padding mechanism code list identifier | C |   | an..3   |               |
| 020                                                                                                                                                                                                                                                             | S503 | ALGORITHM PARAMETER                    | C | 9 |         | 1             |
|                                                                                                                                                                                                                                                                 | 0531 | Algorithm parameter qualifier          | M |   | an..3   |               |
|                                                                                                                                                                                                                                                                 | 0554 | Algorithm parameter value              | M |   | an..512 |               |
| REMARKS:                                                                                                                                                                                                                                                        |      |                                        |   |   |         |               |
| 1 S503, provides space for one parameter. The number of repetitions of S503 actually used will depend on the algorithm used. The order of the parameters is arbitrary but, in each case, the actual value is preceded by a coded algorithm parameter qualifier. |      |                                        |   |   |         |               |

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

| USB SECURED DATA IDENTIFICATION segment             |      |                                                   |   |   |        |               |
|-----------------------------------------------------|------|---------------------------------------------------|---|---|--------|---------------|
| Function: To contain details related to the AUTACK. |      |                                                   |   |   |        |               |
| Pos                                                 | TAG  | Name                                              | S | R | Repr.  | Notes/Remarks |
| 010                                                 | 0503 | RESPONSE TYPE, CODED                              | M | 1 | an..3  |               |
| 020                                                 | S501 | SECURITY DATE AND TIME                            | C | 1 |        |               |
|                                                     | 0517 | Date and time qualifier                           | M |   | an..3  |               |
|                                                     | 0338 | Event date                                        | C |   | n..8   |               |
|                                                     | 0314 | Event time                                        | C |   | an..15 |               |
|                                                     | 0336 | Time offset                                       | C |   | n4     |               |
| 030                                                 | S002 | INTERCHANGE SENDER                                | M | 1 |        |               |
|                                                     | 0004 | Interchange sender identification                 | M |   | an..35 |               |
|                                                     | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                     | 0008 | Interchange sender internal identification        | C |   | an..35 |               |
|                                                     | 0042 | Interchange sender internal sub-identification    | C |   | an..35 |               |
| 040                                                 | S003 | INTERCHANGE RECIPIENT                             | M | 1 |        |               |
|                                                     | 0010 | Interchange recipient identification              | M |   | an..35 |               |
|                                                     | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                     | 0014 | Interchange recipient internal identification     | C |   | an..35 |               |
|                                                     | 0046 | Interchange recipient internal sub-identification | C |   | an..35 |               |

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

| USC CERTIFICATE segment                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                 |   |   |          |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------|---|---|----------|---------------|
| Function: To convey the public key and the credentials of its owner.                                                                                                                                                                                                                                                                                                                                                        |      |                                 |   |   |          |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                         | TAG  | Name                            | S | R | Repr.    | Notes/Remarks |
| 010                                                                                                                                                                                                                                                                                                                                                                                                                         | 0536 | CERTIFICATE REFERENCE           | C | 1 | an..70   | 2             |
| 020                                                                                                                                                                                                                                                                                                                                                                                                                         | S500 | SECURITY IDENTIFICATION DETAILS | C | 2 |          | 3             |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0577 | Security party qualifier        | M |   | an..3    |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0538 | Key name                        | C |   | an..35   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0511 | Security party identification   | C |   | an..1024 |               |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                 |   |   |          |               |
| 1 D5(110, 100) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                          |      |                                 |   |   |          |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                              |      |                                 |   |   |          |               |
| 2 0536, if a full certificate (including the USB segment) is not used, the only data elements of the certificate shall be a unique certificate reference made of: the certificate reference (0536), the S500 identifying the issuer certification authority or the S500 identifying the certificate owner, including its public key name. In the case of a non-EDIFACT certificate data element 0545 shall also be present. |      |                                 |   |   |          |               |
| 3 S500/0538, identifies a public key: either of the owner of this certificate, or the public key related to the private key used by the certificate issuer (certification authority or CA) to sign this certificate.                                                                                                                                                                                                        |      |                                 |   |   |          |               |
| 4 0507, the original character set encoding of the certificate when it was signed. If no value is specified, the character set encoding corresponds to that identified by the character set repertoire standard.                                                                                                                                                                                                            |      |                                 |   |   |          |               |
| 5 0543, the original character set repertoire of the certificate when it was signed. If no value is specified, the default is defined in the interchange header.                                                                                                                                                                                                                                                            |      |                                 |   |   |          |               |
| 6 S505, when this certificate is transferred, it will use the default service characters defined in ISO 9735-1, or those defined in the service string advice, if used. This data element may specify the service characters used when the certificate was signed. If this data element is not used, then they are the default service characters.                                                                          |      |                                 |   |   |          |               |
| 7 S501, dates and times involved in the certification process. Four occurrences of this composite data element are possible: one for the certificate generation date and time, one for the certificate start of validity period, one for the certificate end of validity period, one for revocation date and time.                                                                                                          |      |                                 |   |   |          |               |

Table 24 (continued)

| USC CERTIFICATE segment                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                      |   |   |        |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|---|---|--------|---------------|
| Function: To convey the public key and the credentials of its owner.                                                                                                                                                                                                                                                                                                                                                        |      |                                                      |   |   |        |               |
| Pos                                                                                                                                                                                                                                                                                                                                                                                                                         | TAG  | Name                                                 | S | R | Repr.  | Notes/Remarks |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0513 | Security party code list qualifier                   | C |   | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0515 | Security party code list responsible agency, coded   | C |   | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0586 | Security party name                                  | C |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0586 | Security party name                                  | C |   | an..35 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0586 | Security party name                                  | C |   | an..35 |               |
| 030                                                                                                                                                                                                                                                                                                                                                                                                                         | 0545 | CERTIFICATE SYNTAX AND VERSION, CODED                | C | 1 | an..3  | 2             |
| 040                                                                                                                                                                                                                                                                                                                                                                                                                         | 0505 | FILTER FUNCTION, CODED                               | C | 1 | an..3  |               |
| 050                                                                                                                                                                                                                                                                                                                                                                                                                         | 0507 | ORIGINAL CHARACTER SET ENCODING, CODED               | C | 1 | an..3  | 4             |
| 060                                                                                                                                                                                                                                                                                                                                                                                                                         | 0543 | CERTIFICATE ORIGINAL CHARACTER SET REPERTOIRE, CODED | C | 1 | an..3  | 5             |
| 070                                                                                                                                                                                                                                                                                                                                                                                                                         | 0546 | USER AUTHORIZATION LEVEL                             | C | 1 | an..35 |               |
| 080                                                                                                                                                                                                                                                                                                                                                                                                                         | S505 | SERVICE CHARACTER FOR SIGNATURE                      | C | 5 |        | 6             |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0551 | Service character for signature qualifier            | M |   | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0548 | Service character for signature                      | M |   | an..4  |               |
| 090                                                                                                                                                                                                                                                                                                                                                                                                                         | S501 | SECURITY DATE AND TIME                               | C | 4 |        | 7             |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0517 | Date and time qualifier                              | M |   | an..3  |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0338 | Event date                                           | C |   | n..8   |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0314 | Event time                                           | C |   | an..15 |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | 0336 | Time offset                                          | C |   | n4     |               |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                         | 0567 | SECURITY STATUS, CODED                               | C | 1 | an..3  | 1             |
| 110                                                                                                                                                                                                                                                                                                                                                                                                                         | 0569 | REVOCATION REASON, CODED                             | C | 1 | an..3  | 1             |
| DEPENDENCY NOTES:                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                                      |   |   |        |               |
| 1 D5(110, 100) If first, then all.                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                      |   |   |        |               |
| OTHER REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                              |      |                                                      |   |   |        |               |
| 2 0536, if a full certificate (including the USR segment) is not used, the only data elements of the certificate shall be a unique certificate reference made of: the certificate reference (0536), the S500 identifying the issuer certification authority or the S500 identifying the certificate owner, including its public key name. In the case of a non-EDIFACT certificate data element 0545 shall also be present. |      |                                                      |   |   |        |               |
| 3 S500/0538, identifies a public key: either of the owner of this certificate, or the public key related to the private key used by the certificate issuer (certification authority or CA) to sign this certificate.                                                                                                                                                                                                        |      |                                                      |   |   |        |               |
| 4 0507, the original character set encoding of the certificate when it was signed. If no value is specified, the character set encoding corresponds to that identified by the character set repertoire standard.                                                                                                                                                                                                            |      |                                                      |   |   |        |               |
| 5 0543, the original character set repertoire of the certificate when it was signed. If no value is specified, the default is defined in the interchange header.                                                                                                                                                                                                                                                            |      |                                                      |   |   |        |               |
| 6 S505, when this certificate is transferred, it will use the default service characters defined in ISO 9735-1, or those defined in the service string advice, if used. This data element may specify the service characters used when the certificate was signed. If this data element is not used, then they are the default service characters.                                                                          |      |                                                      |   |   |        |               |
| 7 S501, dates and times involved in the certification process. Four occurrences of this composite data element are possible: one for the certificate generation date and time, one for the certificate start of validity period, one for the certificate end of validity period, one for revocation date and time.                                                                                                          |      |                                                      |   |   |        |               |

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

| USD DATA ENCRYPTION HEADER segment                                                                                                    |      |                                  |   |   |        |               |
|---------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------|---|---|--------|---------------|
| Function: To specify size (i.e. length of data in octets of bits) of encrypted data following the segment terminator of this segment. |      |                                  |   |   |        |               |
| Pos                                                                                                                                   | TAG  | Name                             | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                   | 0556 | LENGTH OF DATA IN OCTETS OF BITS | M | 1 | n..18  |               |
| 020                                                                                                                                   | 0518 | ENCRYPTION REFERENCE NUMBER      | C | 1 | an..35 |               |
| 030                                                                                                                                   | 0582 | NUMBER OF PADDING BYTES          | C | 1 | n..2   |               |

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

| USE SECURITY MESSAGE RELATION segment                                                                                                         |      |                         |   |   |       |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------|---|---|-------|---------------|
| Function: To specify the relation to earlier security messages, such as response to a particular request, or request for a particular answer. |      |                         |   |   |       |               |
| Pos                                                                                                                                           | TAG  | Name                    | S | R | Repr. | Notes/Remarks |
| 010                                                                                                                                           | 0565 | MESSAGE RELATION, CODED | M | 1 | an..3 |               |

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

| USF KEY MANAGEMENT FUNCTION segment                                                                            |      |                                   |   |   |        |               |
|----------------------------------------------------------------------------------------------------------------|------|-----------------------------------|---|---|--------|---------------|
| Function: To specify the type of key management function and the status of a corresponding key or certificate. |      |                                   |   |   |        |               |
| Pos                                                                                                            | TAG  | Name                              | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                            | 0579 | KEY MANAGEMENT FUNCTION QUALIFIER | C | 1 | an..3  |               |
| 020                                                                                                            | S504 | LIST PARAMETER                    | C | 1 |        |               |
|                                                                                                                | 0575 | List parameter qualifier          | M |   | an..3  |               |
|                                                                                                                | 0558 | List parameter                    | M |   | an..70 |               |
| 030                                                                                                            | 0567 | SECURITY STATUS, CODED            | C | 1 | an..3  |               |
| 040                                                                                                            | 0572 | CERTIFICATE SEQUENCE NUMBER       | C | 1 | n..4   |               |
| 050                                                                                                            | 0505 | FILTER FUNCTION, CODED            | C | 1 | an..3  |               |

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

| USH SECURITY HEADER segment                                                                                                                                                                                                                     |      |                                      |   |   |        |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------|---|---|--------|---------------|
| Function: To specify a security mechanism applied to an EDIFACT structure (i.e. either message/package, group or interchange).                                                                                                                  |      |                                      |   |   |        |               |
| Pos                                                                                                                                                                                                                                             | TAG  | Name                                 | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                                                                                             | 0501 | SECURITY SERVICE, CODED              | M | 1 | an..3  |               |
| 020                                                                                                                                                                                                                                             | 0534 | SECURITY REFERENCE NUMBER            | M | 1 | an..14 |               |
| 030                                                                                                                                                                                                                                             | 0541 | SCOPE OF SECURITY APPLICATION, CODED | C | 1 | an..3  | 1             |
| 040                                                                                                                                                                                                                                             | 0503 | RESPONSE TYPE, CODED                 | C | 1 | an..3  |               |
| 050                                                                                                                                                                                                                                             | 0505 | FILTER FUNCTION, CODED               | C | 1 | an..3  |               |
| REMARKS:                                                                                                                                                                                                                                        |      |                                      |   |   |        |               |
| 1 0541, if not present the default scope is the current security header segment group and the message body or object itself.                                                                                                                    |      |                                      |   |   |        |               |
| 2 0507, the original character set encoding of the EDIFACT structure when it was secured. If no value is specified, the character set encoding corresponds to that identified by the syntax identifier character repertoire in the UNB segment. |      |                                      |   |   |        |               |
| 3 S500, two occurrences are possible: one for the security originator, one for the security recipient.                                                                                                                                          |      |                                      |   |   |        |               |
| 4 S500/0538, may be used to establish the key relationship between the sending and receiving parties.                                                                                                                                           |      |                                      |   |   |        |               |
| 5 S501, may be used as a security timestamp. It is security related and may differ from any dates and times that may appear elsewhere in the EDIFACT structure. It may be used to provide sequence integrity.                                   |      |                                      |   |   |        |               |

Table 28 (continued)

| USH SECURITY HEADER segment                                                                                                                                                                                                                     |      |                                                    |   |   |          |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------|---|---|----------|---------------|
| Function: To specify a security mechanism applied to an EDIFACT structure (i.e. either message/package, group or interchange).                                                                                                                  |      |                                                    |   |   |          |               |
| Pos                                                                                                                                                                                                                                             | TAG  | Name                                               | S | R | Repr.    | Notes/Remarks |
| 060                                                                                                                                                                                                                                             | 0507 | ORIGINAL CHARACTER SET ENCODING, CODED             | C | 1 | an..3    | 2             |
| 070                                                                                                                                                                                                                                             | 0509 | ROLE OF SECURITY PROVIDER, CODED                   | C | 1 | an..3    |               |
| 080                                                                                                                                                                                                                                             | S500 | SECURITY IDENTIFICATION DETAILS                    | C | 2 |          | 3,4           |
|                                                                                                                                                                                                                                                 | 0577 | Security party qualifier                           | M |   | an..3    |               |
|                                                                                                                                                                                                                                                 | 0538 | Key name                                           | C |   | an..35   |               |
|                                                                                                                                                                                                                                                 | 0511 | Security party identification                      | C |   | an..1024 |               |
|                                                                                                                                                                                                                                                 | 0513 | Security party code list qualifier                 | C |   | an..3    |               |
|                                                                                                                                                                                                                                                 | 0515 | Security party code list responsible agency, coded | C |   | an..3    |               |
|                                                                                                                                                                                                                                                 | 0586 | Security party name                                | C |   | an..35   |               |
|                                                                                                                                                                                                                                                 | 0586 | Security party name                                | C |   | an..35   |               |
|                                                                                                                                                                                                                                                 | 0586 | Security party name                                | C |   | an..35   |               |
| 090                                                                                                                                                                                                                                             | 0520 | SECURITY SEQUENCE NUMBER                           | C | 1 | an..35   |               |
| 100                                                                                                                                                                                                                                             | S501 | SECURITY DATE AND TIME                             | C | 1 |          | 5             |
|                                                                                                                                                                                                                                                 | 0517 | Date and time qualifier                            | M |   | an..3    |               |
|                                                                                                                                                                                                                                                 | 0338 | Event date                                         | C |   | n..8     |               |
|                                                                                                                                                                                                                                                 | 0314 | Event time                                         | C |   | an..15   |               |
|                                                                                                                                                                                                                                                 | 0336 | Time offset                                        | C |   | n4       |               |
| REMARKS:                                                                                                                                                                                                                                        |      |                                                    |   |   |          |               |
| 1 0541, if not present the default scope is the current security header segment group and the message body or object itself.                                                                                                                    |      |                                                    |   |   |          |               |
| 2 0507, the original character set encoding of the EDIFACT structure when it was secured. If no value is specified, the character set encoding corresponds to that identified by the syntax identifier character repertoire in the UNB segment. |      |                                                    |   |   |          |               |
| 3 S500, two occurrences are possible: one for the security originator, one for the security recipient.                                                                                                                                          |      |                                                    |   |   |          |               |
| 4 S500/0538, may be used to establish the key relationship between the sending and receiving parties.                                                                                                                                           |      |                                                    |   |   |          |               |
| 5 S501, may be used as a security timestamp. It is security related and may differ from any dates and times that may appear elsewhere in the EDIFACT structure. It may be used to provide sequence integrity.                                   |      |                                                    |   |   |          |               |

Table 29 — Details of USL SECURITY LIST STATUS segment

| USL SECURITY LIST STATUS segment                                                                                                                    |      |                          |   |   |        |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|---|---|--------|---------------|
| Function: To specify the status of security objects, such as keys or certificates to be delivered in a list, and the corresponding list parameters. |      |                          |   |   |        |               |
| Pos                                                                                                                                                 | TAG  | Name                     | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                 | 0567 | SECURITY STATUS, CODED   | M | 1 | an..3  |               |
| 020                                                                                                                                                 | S504 | LIST PARAMETER           | C | 9 |        |               |
|                                                                                                                                                     | 0575 | List parameter qualifier | M |   | an..3  |               |
|                                                                                                                                                     | 0558 | List parameter           | M |   | an..70 |               |

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

| USR SECURITY RESULT segment                                                                                                                                                                                                                                                  |      |                            |   |   |          |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------|---|---|----------|-------|
| Function: To contain the result of the security mechanisms.                                                                                                                                                                                                                  |      |                            |   |   |          |       |
| Pos                                                                                                                                                                                                                                                                          | TAG  | Name                       | S | R | Repr.    | Notes |
| 010                                                                                                                                                                                                                                                                          | S508 | VALIDATION RESULT          | M | 2 |          | 1     |
|                                                                                                                                                                                                                                                                              | 0563 | Validation value qualifier | M |   | an..3    |       |
|                                                                                                                                                                                                                                                                              | 0560 | Validation value           | C |   | an..1024 |       |
| REMARKS:                                                                                                                                                                                                                                                                     |      |                            |   |   |          |       |
| 1 S508, two occurrences shall be used in the case of signature algorithms requiring two parameters to express the result. In the case of an RSA signature, only one occurrence of S508 shall be used. In the case of a DSA signature, two occurrences of S508 shall be used. |      |                            |   |   |          |       |

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

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

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

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

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

| USX SECURITY REFERENCES segment                                                       |      |                                                |   |   |        |               |
|---------------------------------------------------------------------------------------|------|------------------------------------------------|---|---|--------|---------------|
| Function: To refer to the secured EDIFACT structure and its associated date and time. |      |                                                |   |   |        |               |
| Pos                                                                                   | TAG  | Name                                           | S | R | Repr.  | Notes/Remarks |
| 010                                                                                   | 0020 | INTERCHANGE CONTROL REFERENCE                  | M | 1 | an..14 |               |
| 020                                                                                   | S002 | INTERCHANGE SENDER                             | C | 1 |        |               |
|                                                                                       | 0004 | Interchange sender identification              | M |   | an..35 |               |
|                                                                                       | 0007 | Identification code qualifier                  | C |   | an..4  |               |
|                                                                                       | 0008 | Interchange sender internal identification     | C |   | an..35 |               |
|                                                                                       | 0042 | Interchange sender internal sub-identification | C |   | an..35 |               |
| DEPENDENCY NOTES:                                                                     |      |                                                |   |   |        |               |
| 1 D5(050, 040) If first, then all.                                                    |      |                                                |   |   |        |               |
| 2 D1(070, 090) One and only one.                                                      |      |                                                |   |   |        |               |
| 3 D5(060, 040) If first, then all.                                                    |      |                                                |   |   |        |               |
| 4 D5(080, 070) If first, then all.                                                    |      |                                                |   |   |        |               |

Table 33 (continued)

| USX SECURITY REFERENCES segment                                                       |      |                                                   |   |   |        |               |
|---------------------------------------------------------------------------------------|------|---------------------------------------------------|---|---|--------|---------------|
| Function: To refer to the secured EDIFACT structure and its associated date and time. |      |                                                   |   |   |        |               |
| Pos                                                                                   | TAG  | Name                                              | S | R | Repr.  | Notes/Remarks |
| 030                                                                                   | S003 | INTERCHANGE RECIPIENT                             | C | 1 |        |               |
|                                                                                       | 0010 | Interchange recipient identification              | M |   | an..35 |               |
|                                                                                       | 0007 | Identification code qualifier                     | C |   | an..4  |               |
|                                                                                       | 0014 | Interchange recipient internal identification     | C |   | an..35 |               |
|                                                                                       | 0046 | Interchange recipient internal sub-identification | C |   | an..35 |               |
| 040                                                                                   | 0048 | GROUP REFERENCE NUMBER                            | C | 1 | an..14 | 1,3           |
| 050                                                                                   | S006 | APPLICATION SENDER IDENTIFICATION                 | C | 1 |        | 1             |
|                                                                                       | 0040 | Application sender identification                 | M |   | an..35 |               |
|                                                                                       | 0007 | Identification code qualifier                     | C |   | an..4  |               |
| 060                                                                                   | S007 | APPLICATION RECIPIENT IDENTIFICATION              | C | 1 |        | 3             |
|                                                                                       | 0044 | Application recipient identification              | M |   | an..35 |               |
|                                                                                       | 0007 | Identification code qualifier                     | C |   | an..4  |               |
| 070                                                                                   | 0062 | MESSAGE REFERENCE NUMBER                          | C | 1 | an..14 | 2,4           |
| 080                                                                                   | S009 | MESSAGE IDENTIFIER                                | C | 1 |        | 4             |
|                                                                                       | 0065 | Message type                                      | M |   | an..6  |               |
|                                                                                       | 0052 | Message version number                            | M |   | an..3  |               |
|                                                                                       | 0054 | Message release number                            | M |   | an..3  |               |
|                                                                                       | 0051 | Controlling agency, coded                         | M |   | an..3  |               |
|                                                                                       | 0057 | Association assigned code                         | C |   | an..6  |               |
|                                                                                       | 0110 | Code list directory version number                | C |   | an..6  |               |
|                                                                                       | 0113 | Message type sub-function identification          | C |   | an..6  |               |
| 090                                                                                   | 0800 | PACKAGE REFERENCE NUMBER                          | C | 1 | an..35 | 2             |
| 100                                                                                   | S501 | SECURITY DATE AND TIME                            | C | 1 |        |               |
|                                                                                       | 0517 | Date and time qualifier                           | M |   | an..3  |               |
|                                                                                       | 0338 | Event date                                        | C |   | n..8   |               |
|                                                                                       | 0314 | Event time                                        | C |   | an..15 |               |
|                                                                                       | 0336 | Time offset                                       | C |   | n4     |               |
| DEPENDENCY NOTES:                                                                     |      |                                                   |   |   |        |               |
| 1 D5(050, 040) If first, then all.                                                    |      |                                                   |   |   |        |               |
| 2 D1(070, 090) One and only one.                                                      |      |                                                   |   |   |        |               |
| 3 D5(060, 040) If first, then all.                                                    |      |                                                   |   |   |        |               |
| 4 D5(080, 070) If first, then all.                                                    |      |                                                   |   |   |        |               |

Table 34 — Details of USY SECURITY ON REFERENCES segment

| USY SECURITY ON REFERENCES segment                                                                                                                                  |      |                           |   |   |        |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------|---|---|--------|---------------|
| Function: To identify the applicable header, and to contain the security result and/or to indicate the possible cause of security rejection for the referred value. |      |                           |   |   |        |               |
| Pos                                                                                                                                                                 | TAG  | Name                      | S | R | Repr.  | Notes/Remarks |
| 010                                                                                                                                                                 | 0534 | SECURITY REFERENCE NUMBER | M | 1 | an..14 |               |
| 020                                                                                                                                                                 | S508 | VALIDATION RESULT         | C | 2 |        | 1             |
| DEPENDENCY NOTES:                                                                                                                                                   |      |                           |   |   |        |               |
| 1 D3(020, 030) One or more.                                                                                                                                         |      |                           |   |   |        |               |

**Table 34** (continued)

| USY SECURITY ON REFERENCES segment                                                                                                                                  |      |                            |   |   |          |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------|---|---|----------|---------------|
| Function: To identify the applicable header, and to contain the security result and/or to indicate the possible cause of security rejection for the referred value. |      |                            |   |   |          |               |
| Pos                                                                                                                                                                 | TAG  | Name                       | S | R | Repr.    | Notes/Remarks |
|                                                                                                                                                                     | 0563 | Validation value qualifier | M |   | an..3    |               |
|                                                                                                                                                                     | 0560 | Validation value           | C |   | an..1024 |               |
| 030                                                                                                                                                                 | 0571 | SECURITY ERROR, CODED      | C | 1 | an..3    | 1             |
| DEPENDENCY NOTES:                                                                                                                                                   |      |                            |   |   |          |               |
| 1 D3(020, 030) One or more.                                                                                                                                         |      |                            |   |   |          |               |

## 5.2 Service composite data element directory

### 5.2.1 Service composite data element specification legend

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------|---|--------------------|----|-------------------------|----|---------------------------------------|----|------------------------------------|-----|-----------------------------------------|------|-------------------------------|------|----------------------------|-------|---------------------------------|
| POS   | The sequential position number of the component data element in the composite data element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| TAG   | The tags of all service composite data elements contained in the composite data element directory start with the letter "S", and the tags of all service simple data elements start with the figure "0".                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| Name  | Name of a component data element in small letters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| S     | The status of the component data element in the composite data element (where M = Mandatory and C = Conditional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| Repr. | Data value representation of the component data elements in the composite: <table> <tr> <td>a</td><td>alphabetic characters</td></tr> <tr> <td>n</td><td>numeric characters</td></tr> <tr> <td>an</td><td>alphanumeric characters</td></tr> <tr> <td>a3</td><td>3 alphabetic characters, fixed length</td></tr> <tr> <td>n3</td><td>3 numeric characters, fixed length</td></tr> <tr> <td>an3</td><td>3 alphanumeric characters, fixed length</td></tr> <tr> <td>a..3</td><td>up to 3 alphabetic characters</td></tr> <tr> <td>n..3</td><td>up to 3 numeric characters</td></tr> <tr> <td>an..3</td><td>up to 3 alphanumeric characters</td></tr> </table> | a | alphabetic characters | n | numeric characters | an | alphanumeric characters | a3 | 3 alphabetic characters, fixed length | n3 | 3 numeric characters, fixed length | an3 | 3 alphanumeric characters, fixed length | a..3 | up to 3 alphabetic characters | n..3 | up to 3 numeric characters | an..3 | up to 3 alphanumeric characters |
| a     | alphabetic characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| n     | numeric characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| an    | alphanumeric characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| a3    | 3 alphabetic characters, fixed length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| n3    | 3 numeric characters, fixed length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| an3   | 3 alphanumeric characters, fixed length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| a..3  | up to 3 alphabetic characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| n..3  | up to 3 numeric characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| an..3 | up to 3 alphanumeric characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |
| Desc. | Description of the composite data element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                       |   |                    |    |                         |    |                                       |    |                                    |     |                                         |      |                               |      |                            |       |                                 |

### 5.2.2 Dependency note identifiers

| Code | Name             |
|------|------------------|
| D1   | One and only one |
| D2   | All or none      |
| D3   | One or more      |
| D4   | One or none      |

| Code | Name                              |
|------|-----------------------------------|
| D5   | If first, then all                |
| D6   | If first, then at least one more  |
| D7   | If first, then none of the others |

See ISO 9735-1:2002, 11.5 for the definition of the dependency note identifiers.

### 5.2.3 Index of service composite data elements by tag

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

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

| Tag  | Name                                            |
|------|-------------------------------------------------|
| S001 | Syntax identifier                               |
| S002 | Interchange sender                              |
| S003 | Interchange recipient                           |
| S004 | Date and time of preparation                    |
| S005 | Recipient reference/password details            |
| S006 | Application sender identification               |
| S007 | Application recipient identification            |
| S009 | Message identifier                              |
| S010 | Status of the transfer                          |
| S011 | Data element identification                     |
| S016 | Message subset identification                   |
| S017 | Message implementation guideline identification |
| S018 | Scenario identification                         |
| S020 | Reference identification                        |
| S021 | Object type identification                      |
| S022 | Status of the object                            |
| S300 | Date and/or time of initiation                  |
| S301 | Status of transfer - interactive                |
| S302 | Dialogue reference                              |
| S303 | Transaction reference                           |
| S305 | Dialogue identification                         |
| S306 | Interactive message identifier                  |
| S307 | Status information                              |
| S500 | Security identification details                 |
| S501 | Security date and time                          |

| Tag  | Name                            |
|------|---------------------------------|
| S502 | Security algorithm              |
| S503 | Algorithm parameter             |
| S504 | List parameter                  |
| S505 | Service character for signature |
| S508 | Validation result               |

#### 5.2.4 Index of service composite data elements by name

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

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

| 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                   |
| S021 | Object type identification                      |
| S005 | Recipient reference/password details            |
| S020 | Reference identification                        |
| S018 | Scenario identification                         |
| S502 | Security algorithm                              |
| S501 | Security date and time                          |
| S500 | Security identification details                 |
| S505 | Service character for signature                 |
| S307 | Status information                              |
| S022 | Status of the object                            |

| Tag  | Name                             |
|------|----------------------------------|
| S010 | Status of the transfer           |
| S301 | Status of transfer - interactive |
| S001 | Syntax identifier                |
| S303 | Transaction reference            |
| S508 | Validation result                |

### 5.2.5 Service composite data element specifications

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

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

Details of the service composite data elements are specified in [Table 35](#) to [Table 63](#).

**Table 35 — S001 SYNTAX IDENTIFIER**

| S001 SYNTAX IDENTIFIER                                                                                                           |      |                                            |   |       |               |
|----------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|---|-------|---------------|
| Desc.: Identification of the agency controlling the syntax, the syntax level and version number, and the service code directory. |      |                                            |   |       |               |
| POS                                                                                                                              | TAG  | Name                                       | S | Repr. | Notes/Remarks |
| 010                                                                                                                              | 0001 | Syntax identifier                          | M | a4    |               |
| 020                                                                                                                              | 0002 | Syntax version number                      | M | an1   |               |
| 030                                                                                                                              | 0080 | Service code list directory version number | C | an..6 |               |
| 040                                                                                                                              | 0133 | Character encoding, coded                  | C | an..3 |               |
| 050                                                                                                                              | 0076 | Syntax release number                      | C | an2   |               |

**Table 36 — S002 INTERCHANGE SENDER**

| S002 INTERCHANGE SENDER                                 |      |                                                |   |        |               |
|---------------------------------------------------------|------|------------------------------------------------|---|--------|---------------|
| Desc.: Identification of the sender of the interchange. |      |                                                |   |        |               |
| POS                                                     | TAG  | Name                                           | S | Repr.  | Notes/Remarks |
| 010                                                     | 0004 | Interchange sender identification              | M | an..35 |               |
| 020                                                     | 0007 | Identification code qualifier                  | C | an..4  |               |
| 030                                                     | 0008 | Interchange sender internal identification     | C | an..35 |               |
| 040                                                     | 0042 | Interchange sender internal sub-identification | C | an..35 |               |

**Table 37 — S003 INTERCHANGE RECIPIENT**

| S003 INTERCHANGE RECIPIENT                                 |      |                                                   |   |        |               |
|------------------------------------------------------------|------|---------------------------------------------------|---|--------|---------------|
| Desc.: Identification of the recipient of the interchange. |      |                                                   |   |        |               |
| POS                                                        | TAG  | Name                                              | S | Repr.  | Notes/Remarks |
| 010                                                        | 0010 | Interchange recipient identification              | M | an..35 |               |
| 020                                                        | 0007 | Identification code qualifier                     | C | an..4  |               |
| 030                                                        | 0014 | Interchange recipient internal identification     | C | an..35 |               |
| 040                                                        | 0046 | Interchange recipient internal sub-identification | C | an..35 |               |

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

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

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

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

**Table 40 — S006 APPLICATION SENDER IDENTIFICATION**

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

**Table 41 — S007 APPLICATION RECIPIENT IDENTIFICATION**

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

**Table 42 — S009 MESSAGE IDENTIFIER**

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

Table 42 (continued)

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

Table 43 — S010 STATUS OF THE TRANSFER

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

Table 44 — S011 DATA ELEMENT IDENTIFICATION

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

Table 45 — S016 MESSAGE SUBSET IDENTIFICATION

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

Table 46 — S017 MESSAGE IMPLEMENTATION GUIDELINE IDENTIFICATION

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

**Table 46 (continued)**

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

**Table 47 — S018 SCENARIO IDENTIFICATION**

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

**Table 48 — S020 REFERENCE IDENTIFICATION**

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

**Table 49 — S021 OBJECT TYPE IDENTIFICATION**

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

**Table 50 — S022 STATUS OF THE OBJECT**

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

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

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

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

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

**Table 53 — S302 DIALOGUE REFERENCE**

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

**Table 54 — S303 TRANSACTION REFERENCE**

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

**Table 55 — S305 DIALOGUE IDENTIFICATION**

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

**Table 56 — S306 INTERACTIVE MESSAGE IDENTIFIER**

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

**Table 57 — S307 STATUS INFORMATION**

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

**Table 58 — S500 SECURITY IDENTIFICATION DETAILS**

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

Table 58 (continued)

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

Table 59 — S501 SECURITY DATE AND TIME

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

Table 60 — S502 SECURITY ALGORITHM

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

Table 61 — S503 ALGORITHM PARAMETER

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

**Table 62 — S504 LIST PARAMETER**

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

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

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

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

### 5.3 Service simple data element directory

#### 5.3.1 General

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

#### 5.3.2 Service simple data element specification legend

|       |                                                                                                                   |
|-------|-------------------------------------------------------------------------------------------------------------------|
| Tag   | The tags of all service simple data elements contained in the simple data element directory start with figure "0" |
| Name  | Name of a simple data element                                                                                     |
| Desc. | Description of the simple data element                                                                            |
| Repr. | Data value representation of the simple data element:                                                             |
| a     | alphabetic characters                                                                                             |
| n     | numeric characters                                                                                                |
| an    | alphanumeric characters                                                                                           |
| a3    | 3 alphabetic characters, fixed length                                                                             |
| n3    | 3 numeric characters, fixed length                                                                                |

|       |                                         |
|-------|-----------------------------------------|
| an3   | 3 alphanumeric characters, fixed length |
| a..3  | up to 3 alphabetic characters           |
| n..3  | up to 3 numeric characters              |
| an..3 | up to 3 alphanumeric characters         |

### 5.3.3 Index of service simple data elements by tag

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

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

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

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

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

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

#### 5.3.4 Index of service simple data elements by name

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

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

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

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

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

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

### 5.3.5 Service simple data element specifications

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

0135 Service segment tag, coded

Desc.: Code identifying a service segment.

Repr.: an..3

0136 Erroneous data element occurrence

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

Repr.: n..6

0138 Security segment position

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

Repr.: n..6

0300 Initiator control reference

Desc.: A reference assigned by the dialogue initiator.

Repr.: an..35

0303 Initiator reference identification

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

Repr.: an..35

0304 Responder control reference

Desc.: A reference assigned by the dialogue responder.

Repr.: an..35

0306 Transaction control reference

Desc.: A reference assigned by the transaction initiator.

Repr.: an..35

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

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

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

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

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

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

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

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

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

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

0336 Time offset

Desc.: UTC (Universal Coordinated Time) offset from event time.

Repr.: n4

Remark 1: Format is HHMM. Shall be prefixed with "-" for negative offsets (see the ISO 8601 series).

0338 Event date

Desc.: Date of event.

Repr.: n..8

Remark 1: Format is YYMMDD or CCYYMMDD.

0340 Interactive message reference number

Desc.: Unique interactive message reference assigned by the sender.

Repr.: an..35

0342 Dialogue version number

Desc.: Version number of a dialogue.

Repr.: an..3

0344 Dialogue release number

Desc.: Release number of a dialogue

Repr.: an..3

0501 Security service, coded

Desc.: Specification of the security service applied.

Repr.: an..3

0503 Response type, coded

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

Repr.: an..3

0505 Filter function, coded

Desc.: Identification of the filtering function used to reversibly map any bit pattern on to a restricted character set.

Repr.: an..3

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

|               |
|---------------|
| Repr.: an..35 |
|---------------|

|                                           |
|-------------------------------------------|
| 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 |
|--------------|

|                                                                                                        |
|--------------------------------------------------------------------------------------------------------|
| Remark 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 authorization level |
|-------------------------------|

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| Desc.: Specification of the authorization 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 |
|--------------|

|                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remark 1: In order to avoid translator problems, this service character is represented by its value in the character set identified by the original character set encoding data element (0507), hexa-filtered on, at least, two characters. For example, the service character "" is coded "27" (two characters), if ASCII 8bit code page is used. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                |
|------------------------------------------------|
| 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 |
|----------------|

|                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| Remark 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                                                                         |
| Remark 1: If necessary, this value shall be filtered by an appropriate filter function. |

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

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

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

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

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