

RESTRICTED

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ECONOMIC COMMISSION FOR EUROPE

COMMITTEE ON THE DEVELOPMENT OF TRADE

Working Party on Facilitation of
International Trade Procedures

TRADE DATA INTERCHANGE PROTOCOLS

Development of United Nations Standard Messages (UNSMs)

(Item 3.2.15 of the Programme of work)

MESSAGE TYPE SUBMITTED AS STATUS 0 FOR INFORMATION

TEST MESSAGE EXPLICIT MODE (TESTEX)

Transmitted by the UN/EDIFACT Rapporteurs

(Item 8 of the Provisional agenda of the Meeting of Experts on Data Elements and Automatic Data Interchange (GE.1) - Forty-seventh session, 17-18 March 1993)

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Note by the secretariat

The present document is reproduced in the form in which it was received by the secretariat.

TECHNICAL ASSESSMENT OF STATUS 0 MESSAGE SUBMISSIONS

This message has undergone an initial technical assessment, which found certain technical and presentation problems.

These have been communicated to the Design Group in question, and must be taken into account, either for the next Status 0 submission, or before the message is submitted as a request for Status 1.

Anything shown under Section 5 (or in some cases which should have been shown under Section 5 - Directory Variations) is NOT approved at this stage.

UN/EDIFACT

DRAFT DOCUMENT

Test message explicit mode

Please note that this message may be revised a number of times before it is next submitted to the Working Party. Further information on the development of this message can be obtained from the Rapporteur's EDIFACT Board Secretariat. This revision is issued for information and comments and is not intended for implementation.

Message Type : TESTEX
Version : 0
Release : 1
Contr. Agency: RT

Status : 0
Date : 93-03

SOURCE: WESTERN EUROPEAN EDIFACT BOARD CTS 2bis EDIFACT on MHS program. On behalf of the Western European EDIFACT Board Secretariat.

Message type specification, TESTEX

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For general information on UN standard message types see UN Trade Data Interchange Directory, UNTDID, Part 4, Section 2.5, UN/ECE UNSM General Introduction.

0. Introduction

This specification provides the definition of the EDIFACT test message explicit mode to be used by testing laboratories in order to perform test campaigns on EDIFACT softwares.

1. Scope

1.1 Functional Definition

The function of the TESTEX message is to allow the transmission of test cases in order to test the compliance of EDI software packages against EDIFACT syntax (ISO 9735) in an explicit mode.

1.2 Field of Application

This message may be used between test laboratories and implementations under test within a test campaign on EDIFACT syntax.

It is provided to support the exchange of all the test cases defined within the Conformance Testing Services (CTS) 2bis EDIFACT on MHS program in explicit mode of exchange.

1.3 Principles

This message includes intentional message design errors such as:

- in segment UTB and UTE, conditional elements appear before mandatory ones. This is intended to check that the implementation under test is able of correctly handling the separators, truncation rules and status of segment components.
- same for composite S999
- there is a collision between segment UTD in segment group 3 and stand alone UTD segment at the end of the message in order to check if the explicit mode is correctly handled.

It will be expected that in the situation where a real time communication link is used in order to perform the tests, the Acknowledgement Request character in the UNB segment should always be set to 1 in order to invoke a reply from the implementation under test.

2. References

See UNTDID, Part 4, Section 2.5, UN/ECE UNSM General Introduction, Section 1.

3. Terms and Definitions

See UNTDID, Part 4, Section 2.5, UN/ECE UNSM General Introduction, Section 2.

4. Message Definition

4.1 Data Segment Clarification

This section should be read in conjunction with the Branching Diagram and the Segment Table which indicate mandatory, conditional and repeating requirements.

UNH, Message header

A service segment starting and uniquely identifying a message. The message type identifier for the EDIFACT Test Message in Explicit mode is TESTEX.

UTA, Test segment one

Standard segment to be used in test messages.

Segment Group 1: UTB-SG2
 First group of the test message.

UTB, Test segment two
 A segment that provide a mixture of composite and simple data elements. To be used in the test messages.

Segment Group 2: UTD-UTE-UTC
 Second segment group of the test message.

UTD, Test segment four
 A segment that contain only two conditional composite data elements. To be used in test messages.

UTE, Test segment five
 A segment to test the various permutations of the truncation rules. To be used in test messages.

UTC, Test segment three
 Segment containing a single simple data element. To be used in test messages.

UTD, Test segment four
 A segment that contain only two conditional composite data elements. To be used in test messages.

UTF, Test segment six
 Repeating simple and composite data elements. To be used in test messages.

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

4.2 Message Structure

4.2.1 Branching Diagram

4.2.2 Segment Table

TAG	NAME	S	REPT
UNH	Message header	M	1
UTA	Test segment one	M	1
))))	Segment Group 1))))))))))))))))	C	3))))))))
UTB	Test segment two	M	1 * *
))))	Segment Group 2))))))))))))))))	M	3))))))))
UTD	Test segment four	M	1 * *
UTE	Test segment five	C	1 * *
UTC	Test segment three	M	9))))))))2)-
UTD	Test segment four	M	1
UTF	Test segment six	C	1
UNT	Message trailer	M	1

4.3 Data Segment Index (Alphabetic Sequence)

UNH Message header
UNT Message trailer
UTA Test segment one
UTB Test segment two
UTC Test segment three
UTD Test segment four
UTE Test segment five
UTF Test segment six

5. Directories

5.1 Directory References

See TRIAL Directory 92.1.

5.2 Explanation of Directory Variations

5.2.1 Segment Variation

+ UTA/CF TEST SEGMENT ONE

Function: Standard segment to be used in test messages.

0798/CF	TEST DATA ELEMENT NUMBER ONE	C	a..2
0796/CF	TEST DATA ELEMENT NUMBER TWO	C	a3
0794/CF	TEST DATA ELEMENT NUMBER THREE	C	an..37
0792/CF	TEST DATA ELEMENT NUMBER FOUR	C	an1
0790/CF	TEST DATA ELEMENT NUMBER FIVE	C	n..12
0788/CF	TEST DATA ELEMENT NUMBER SIX	C	n7
0786/CF	TEST DATA ELEMENT NUMBER SEVEN	C	n4

+ UTB/CF TEST SEGMENT TWO

Function: A segment that provide a mixture of composite and simple data elements. To be used in the test messages.

S999/CF	TEST COMPOSITE DATA ELEMENT ONE	M	
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	M	a3
0794/CF	Test data element number three	M	an..37
0792/CF	Test data element number four	M	an1
0790/CF	Test data element number five	C	n..12
0788/CF	Test data element number six	C	n7
0786/CF	Test data element number seven	C	n4
0794/CF	TEST DATA ELEMENT NUMBER THREE	C	an..37
S998/CF	TEST COMPOSITE DATA ELEMENT TWO	M	
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	C	a3

+ UTC/CF TEST SEGMENT THREE

Function: Segment containing a single simple data element. To be used in test messages.

0792/CF	TEST DATA ELEMENT NUMBER FOUR	M	an1
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+ UTD/CF TEST SEGMENT FOUR

Function: A segment that contain only two conditional composite data elements. To be used in test messages.

S998/CF	TEST COMPOSITE DATA ELEMENT TWO	C	
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	C	a3
S997/CF	TEST COMPOSITE DATA ELEMENT THREE	C	
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1

+ UTE/CF TEST SEGMENT FIVE

Function: A segment to test the various permutations of the truncation rules. To be used in test messages.

S997/CF	TEST COMPOSITE DATA ELEMENT THREE	C	
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0798/CF	TEST DATA ELEMENT NUMBER ONE	M	a..2
0794/CF	TEST DATA ELEMENT NUMBER THREE	M	an..37

+ UTF/CF TEST SEGMENT SIX

Function: Repeating simple and composite data elements. To be used in test messages.

0796/CF	TEST DATA ELEMENT NUMBER TWO	M	a3
0796/CF	TEST DATA ELEMENT NUMBER TWO	M	a3
0796/CF	TEST DATA ELEMENT NUMBER TWO	M	a3
0796/CF	TEST DATA ELEMENT NUMBER TWO	M	a3
S998/CF	TEST COMPOSITE DATA ELEMENT TWO	M	
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	C	a3
S998/CF	TEST COMPOSITE DATA ELEMENT TWO	M	
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	C	a3

5.2.2 Composite Variation

TAG		S	FORMAT
+ S997/CF	TEST COMPOSITE DATA ELEMENT THREE		
	Repeting data element composite for test purpose.		
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1
0792/CF	Test data element number four	C	an1

+ S998/CF	TEST COMPOSITE DATA ELEMENT TWO		
	Short composite data element for test purpose.		
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	C	a3

+ S999/CF	TEST COMPOSITE DATA ELEMENT ONE		
	Standard composite data element for test purpose.		
0798/CF	Test data element number one	C	a..2
0796/CF	Test data element number two	M	a3
0794/CF	Test data element number three	M	an..37
0792/CF	Test data element number four	M	an1
0790/CF	Test data element number five	C	n..12
0788/CF	Test data element number six	C	n7
0786/CF	Test data element number seven	C	n4

5.2.3 Data Element Variation

TAG	FORMAT	NAME
+ 0786/CF	n4	Test data element number seven Numeric, fixed length data element for test purpose (positive only).
+ 0788/CF	n7	Test data element number six Numeric, fixed length data element for test purpose.
+ 0790/CF	n..12	Test data element number five Numeric, variable length data element for test purpose.
+ 0792/CF	an1	Test data element number four Alphanumeric, fixed length data element for test purpose.
+ 0794/CF	an..37	Test data element number three Alphanumeric, variable length data element for test purpose.
+ 0796/CF	a3	Test data element number two Alphabetic, fixed length data element for test purpose.
+ 0798/CF	a..2	Test data element number one Alphabetic, variable length data element for test purpose.