

UN/EDIFACT

DRAFT DOCUMENT

Traffic or travel description definition message

This message has undergone only an initial technical assessment which may have found certain technical and presentation problems. These will be solved 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 in Section 5 - directory variations) is NOT approved at this stage. Further information on the development of this message can be obtained from the Rapporteur's EDIFACT Board Secretariat. This document is issued for information and comments and is not intended for implementation.

Message Type : TRADES
Version : 0
Release : 1
Contr. Agency: RT
Status : 0
Date : 95-03

SOURCE: Western European EDIFACT Board (MD2)

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0. INTRODUCTION

This specification provides the definition of the Traffic or travel description definition message (TRADES) to be used in Electronic Data Interchange (EDI) between trading partners, involved in administration, commerce and transport.

1. SCOPE

1.1 Functional Definition

A message to serve parties that send and/or receive traffic or travel information (e.g. police, road authorities, automobile clubs, broadcasters, transport operators, or individual travellers), conveying one or more traffic or travel description definitions which support related traffic or travel messages by giving details such as the text of a phrase, and/or its attributes, which form the basis of traffic or travel situation descriptions.

1.2 Field of Application

The Traffic or travel description definition message may be used for both national and international trade. It is based on universal commercial practice and is not dependent on the type of business or industry.

1.3 Principles

The message is meant to comply with the operational requirements of organizations concerning the notification or dissemination of traffic

or travel description definitions.

Traffic or travel descriptions are defined by means of various attributes, such as the phrase (e.g. multi-vehicle accident) and corresponding phrase code (an example of another attribute can be: default urgency).

Descriptions definitions can be pre-stored in receiver memory, or downloaded using TRADES. TRADES allows new description definitions to be created, to deal with unusual situations. It can also support mobile or portable receivers with little permanent memory.

1. One TRADES message conveys information about one or more traffic or travel information descriptions. Typically, TRADES is used to define descriptions in support of other traffic or travel messages.

2. A message can be used to define the descriptions of traffic or travel situations, which may be event (e.g. accident occurred) and/or status reports (visibility has improved).

3. One message may relate to all relevant information about the descriptions, or to a part of that information. Traffic or travel descriptions may be split in different messages, e.g. as required at different times.

4. For regional or national information exchanges, traffic or travel description definitions may be given in one or more regional or national languages as preferred by the sender and recipient. However, for international exchanges, it is recommended that descriptions are given in English, in addition to any local language(s) which may be utilized.

5. TRADES caters for both temporary and permanent updates, including cancellation of previous data. For these purposes, a number of generic terms are used in this specification, to be described as:

start time	- the time from which the information in the message will become effective
stop time	- the time from which the information in the message will cease to be effective
expiry time	- the time at which the information in the message shall be deleted from the receiving database
end indicator	- indicates that the information in this message is no longer effective
cancellation indicator	- indicates that the information in this message was previously distributed in error

6. A TRADES message may be sent according to existing agreements with the recipient, or in response to an earlier traffic or travel information request message (TRAREQ).

2. REFERENCES

See UNTDID, Part 4, Section 2.6, UN/ECE UNSM - General Introduction,

Section 1.

3. TERMS AND DEFINITIONS

See UNTDID, Part 4, Section 2.6, 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.

0010 UNH, Message header
A service segment starting and uniquely identifying the message. The message type code for the Traffic or travel description definition message is 'TRADES'.

Note: Traffic or travel description definition messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 TRADES
 0052 0
 0054 1
 0051 RT

0020 BGM, Beginning of message
A segment to indicate the beginning of a message and to transmit the identifying number (when taken in combination with the message sender). The segment can also be used to provide further specification of the message type (by data element 1001: Document/message name, coded).

0030 DTM, Date/time/period
A segment to specify a date and/or time which applies to the message as a whole, such as: - message sending time - confirmation time - input time - expiry time - start time - stop time - request time

0040 ERC, Application error information
A segment to indicate that an information request cannot be (wholly) fulfilled, for a reason coded.

0050 Segment Group 1: RFF-DTM
A group of segments to provide references related to the message as a whole, and associated dates and/or times.

0060 RFF, Reference
A segment to provide a reference to the whole message, such as: - contract number - assigned data order number - reference to earlier request number

0070 DTM, Date/time/period
A segment to provide a date and/or time related to the reference.

0080 NAD, Name and address
A segment to indicate the identity of the message sender.

- 0090 Segment Group 2: TDT-FTX-RNG
A group of segments to provide details of vehicle classification categories, in terms of their codes and names.
- 0100 TDT, Details of transport
A segment to specify the code of the vehicle classification category.
- 0110 FTX, Free text
A segment to specify the name of the vehicle classification category. It can also be used to specify the vehicle class name or to provide definitions in more than one language.
- 0120 RNG, Range details
A segment to indicate limiting values (minimum and maximum) for quantities associated with a vehicle class, such as: -
height - width - length - gross vehicle weight -
axle weight - speed - number of axles
- 0130 Segment Group 3: STS-RFF-GIS-DTM-FTX
A group of segments to define a traffic or travel description by its identifying code (e.g. a code for Accident or for Road works) and by its related characteristics (e.g. default urgency, 'forecast' or 'actual' indicator, etc.). Each definition may be classified as an entity, such as: - phrase code - data object - object set - description category
- 0140 STS, Status
A segment to specify an entity such as: - phrase code - data object - object set - description category The type of entity is given in composite data element C601 (Status detail). The identifying code (e.g. a code for Accident) of the traffic or travel description (which can be an event or status report) is given in composite data element C555 (Status event).
- 0150 RFF, Reference
A segment to define related characteristics of the traffic or travel description, such as: - parent entity reference - default urgency reference - default duration reference
- 0160 GIS, General indicator
A segment to indicate the nature of the traffic or travel situation description, such as 'forecast' (as opposed to 'actual').
- 0170 DTM, Date/time/period
A segment to provide date and/or times associated with the description definition, such as: - expiry time - start time - stop time
- 0180 FTX, Free text
A segment to specify the traffic or travel description in free text (e.g. the name of a phrase, data object, object set or description category), for which the identifying code is specified in the related STS segment.
- 0190 UNT, Message trailer
A service segment ending a message giving the total number of

3	3M3	1	3	3M3	1	3	3	3C3	1	3	3	3M3	1	3	3
3	ÀÀÀÀÀÀÀÀÛ			ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3
3							3				3				3
3	ÚÀÀÀÀÀÀÀ¿						3	ÚÀÀÀÀÀÀÀ¿			3	ÚÀÀÀÀÀÀÀ¿			3
3	3Gr.	3	3				3	3Gr.	1	3	3	3Gr.	2	3	3
3	ÃÀÀÀÀÀÀÀ´						3	ÃÀÀÀÀÀÀÀ´			3	ÃÀÀÀÀÀÀÀ´			3
3	3C3	999	3				3	3C3	9	3	3	3C3	99	3	3
3	ÆÍÍÍÍÍÍÍµ						3	ÚÀÀÀÀÀÀÀ¿			3	ÆÍÍÍÍÍÍÍµ			3
3	STS	3					3	DTM	3		3	RFF	3		3
3	1						3	ÃÀÀÀÀÀÀÀ´			3	ÃÀÀÀÀÀÀÀ´			3
3	ÀÀÀÀÀÀÀÀÛ						3	3M3	9	3	3	3M3	1	3	3
3	3M3	1	3				3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3
3	ÀÀÀÀÀÀÀÀÛ						3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3
3	ÀÀÀÀÀÀÀÀ¿						3	ÀÀÀÀÀÀÀÀ¿			3	ÀÀÀÀÀÀÀÀ¿			3
3	ÚÀÀÀÀÀÀÀ¿						3	ÚÀÀÀÀÀÀÀ¿			3	ÚÀÀÀÀÀÀÀ¿			3
3	3						3	3			3	3			3
3	RNG	3	3	RFF	3	3	3	GIS	3	3	3	DTM	3	3	3
3	2						3	ÀÀÀÀÀÀÀÀ´			3	ÀÀÀÀÀÀÀÀ´			3
3	ÀÀÀÀÀÀÀÀ´						3	3C3	9	3	3	3C3	9	3	3
3	3C3	9	3	3C3	9	3	3	3M3	1	3	3	3C3	9	3	3
3	ÀÀÀÀÀÀÀÀÛ						3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3
3	ÀÀÀÀÀÀÀÀÛ						3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3
3	ÀÀÀÀÀÀÀÀÛ						3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3
3	ÀÀÀÀÀÀÀÀÛ						3	ÀÀÀÀÀÀÀÀÛ			3	ÀÀÀÀÀÀÀÀÛ			3

5. DIRECTORIES

5.1 Directory References

See DRAFT Directory D.94B.

5.2 Explanation of Directory Variations

There are no Directory variations.

5.2.1 Segment Variation

* STS	STATUS		NA
	Function:		FU
	C601		C
	C555	STATUS EVENT	C DI
	9011	Status event, coded	M an..3
	1131	Code list qualifier	C an..3
	3055	Code list responsible agency, coded	C an..3

C556	STATUS REASON	C	DI
9013	Status reason, coded	M an..3	
1131	Code list qualifier	C an..3	
3055	Code list responsible agency, coded	C an..3	
9012	Status reason	C an..35	

5.2.1 Segment Variation

* STS	STATUS		NA
Function:			FU
C601		C	
C555	STATUS EVENT	C	DI
9011	Status event, coded	M an..3	
1131	Code list qualifier	C an..3	
3055	Code list responsible agency, coded	C an..3	
C556	STATUS REASON	C	DI
9013	Status reason, coded	M an..3	
1131	Code list qualifier	C an..3	
3055	Code list responsible agency, coded	C an..3	
9012	Status reason	C an..35	

5.2.2 Composite Variation

* C601			NA
Desc:			FU
9015	Status type, coded	M an..3	DI
1131	Code list qualifier	C an..3	DI
3055	Code list responsible agency, coded	C an..3	DI

5.2.3 Data Element Variation