



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

T.140

Addendum 1
(02/2000)

SERIES T: TERMINALS FOR TELEMATIC SERVICES

Protocol for multimedia application text
conversation

Addendum 1

ITU-T Recommendation T.140 – Addendum 1

(Formerly CCITT Recommendation)

ITU-T Recommendation T.140

Protocol for multimedia application text conversation

ADDENDUM 1

Summary

This addendum adds a marker for missing text to T.140.

Source

Addendum 1 to ITU-T Recommendation T.140 was prepared by ITU-T Study Group 16 (1997-2000) and approved under the WTSC Resolution No. 1 procedure on 17 February 2000.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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ITU-T Recommendation T.140

Protocol for multimedia application text conversation

ADDENDUM 1

Introduction

The following amendments are essential for implementations of ITU-T Recommendation T.140, especially when used over unreliable channels.

1) Subclause 6.2 – Presentation protocol functions

Add the following as the last row in Table 2:

| | | |
|---------------------|--------------------|--|
| Missing text marker | Marks missing text | |
|---------------------|--------------------|--|

2) Clause 7 – Code elements

Add the following control sequence at the end of the list:

Replacement Character FFFD_{16} Marker for missing text.

3) Clause 8 – Detailed coding procedures

Add the following new subclause:

8.9 Missing text marker

Purpose: To mark in the text the position of lost character(s).

Coding: 0xFFFD

Graphical representation: A white question mark in a black diamond (see ISO 10646-1).

Procedure: The Missing Text Marker "Replacement Character" should be inserted in the T.140 data stream by any protocol entity who has discovered a data loss affecting some T.140 data.

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