



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

T.120 Implementors' Guide

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

(24 November 2006)

SERIES T: TERMINALS FOR TELEMATIC SERVICES

**Implementors' Guide for ITU-T Rec. T.120 and
T.130 sub-series (Data protocols for multimedia
conferencing):
*T.126, T.127 and T.135***

Summary

This document is a compilation of reported defects identified with the 1993-1999 editions of the ITU-T T.120-series Recommendations. It is intended to be read in conjunction with the Recommendations to serve as an additional authoritative source of information for implementors. The changes, clarifications and corrections defined herein are expected to be included in future versions of affected T.120-series Recommendations.

This revision contains all updates submitted up to and including those at Study Group 16 meeting, November 2006, in Geneva (TD 297/PLEN).

This document was approved by ITU-T Study Group 16 on 24 November 2006 and obsoletes the earlier version of this Implementors' Guide approved on 5 August 2005.

Change Log

Version	Date	Description
1	15 February 1996	Initial version - completed at the ITU-T Study Group 8 meeting, Geneva, 6-15 February 1996
2	26 April 1996	Updated at the Q.10/8 Rapporteur's meeting, Boston, 21-26 April 1996 Sections added: 7.5.4 and 7.5.5
3	9 August 1996	Updated at the Q.10/8 Rapporteur's meeting, Santa Rosa, 5-9 August 1996 Sections added: 7.5.6
4	4 October 1996	Updated at the Q.10/8 Rapporteur's meeting, Ismaning, 30 September - 4 October 1996
5	17 January 1997	Updated at the Q.10/8 Rapporteur's meeting, Newport Beach, 13-17 January 1997
6	29 January 1998	Updated at the ITU-T SG 16 meeting, Geneva, 26 January - 6 February 1998 Sections added: 6.7.1.1
7	20 May 1999	Updated at the ITU-T SG 16 meeting, Santiago, 17-28 May 1999 Added sections 6.8.6.1 and 6.8.9.1
8	8 June 2001	Eighth version – Completed at the ITU-T Study Group 16 Rapporteurs meeting.
9	15 February 2002	Ninth version – Completed at ITU-T Study Group 16 Rapporteurs meeting.
10	30 January 2004	Tenth version – Completed at ITU-T Study Group 16 Rapporteurs meeting.
11	5 August 2005	Eleventh version – Completed at ITU-T Study Group 16 Rapporteurs meeting.
12	24 November 2006	Twelfth version – Completed at ITU-T Study Group 16 Rapporteurs meeting.

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IMPLEMENTORS' GUIDE FOR ITU-T REC. T.120 AND T.130 SUB-SERIES

1 Scope

This Guide resolves defects in the following categories:

- Editorial errors
- Technical errors such as omissions or inconsistencies
- Ambiguities.

In addition, the Guide may include explanatory text found necessary because of interpretation difficulties apparent from the defect reports.

This Guide will not address proposed additions, deletions, or modifications to the Recommendations that are not strictly related to implementation difficulties in the above categories. Proposals for new features should be made in the normal way through contributions to the ITU-T.

2 Introduction

This document is a compilation of reported defects identified with the 1993-1999 editions of the ITU-T T.120 and T.130 sub-series Recommendations. It is intended to be read in conjunction with the Recommendations to serve as an additional authoritative source of information for implementors. The changes, clarifications and corrections defined herein are expected to be included in future versions of affected T.120 and T.130 sub-series Recommendations.

The first version of the guide was produced following the February 1996 ITU-T Study Group 8 meeting. Wide distribution of this document is expected and encouraged.

3 Policies for updating this document

This document is managed by the ITU-T Study Group 16 Question 1 Rapporteur's Group. It can be revised at any recognized Q1/16 Rapporteur's Group meeting provided the proposed revisions are unanimously accepted by the members of the group. A revision history cataloguing the evolution of this document is included.

4. Defect Resolution Procedure

Upon discovering technical defects with any components of the T.120 and T.130 sub-series Recommendation, please provide a written description directly to the Q1/16 Rapporteur.

5 References

This document refers to the following T.120-series Recommendations:

- ITU-T Recommendation T.120 (07/96) - *Data Protocols for Multimedia Conferencing*.
- ITU-T Recommendation T.120, Annex C (02/98) - *Lightweight Profiles for the T.120 Architecture*.
- ITU-T Recommendation T.121 (07/96) - *Generic Application Template*.

- ITU-T Recommendation T.122 (02/98) - *Multipoint Communication Service - Service Definition.*
- ITU-T Recommendation T.123 (05/99) - *Network Specific Data Protocol Stacks for Multimedia Conferencing.*
- ITU-T Recommendation T.124 (02/98) - *Generic Conference Control.*
- ITU-T Recommendation T.125 (02/98) - *Multipoint Communication Service - Protocol Specification.*
- ITU-T Recommendation T.126 (07/97) - *Multipoint Still Image and Annotation Protocol.*
- ITU-T Recommendation T.127 (08/95) - *Multipoint Binary File Transfer Protocol.*
- ITU-T Recommendation T.128 (02/98) - *Multipoint Application Sharing.*
- ITU-T Recommendation T.134 (02/98) - *Text Chat Application Entity.*
- ITU-T Recommendation T.135 (02/98) - *User-To-Reservation System Transactions within T.120 Conferences.*
- ITU-T Recommendation T.136 (05/99) - *Remote Device Control Application Protocol.*
- ITU-T Recommendation H.282 (05/99)- *A Far End Camera Control Protocol for Video Conferencing Using H.224.*

6 Nomenclature

In addition to traditional revision marks, the following marks and symbols are used to indicate to the reader how changes to the text of a Recommendation should be applied:

Symbol	Description
<u><i>[Begin Correction]</i></u>	Identifies the start of revision marked text based on extractions from the published Recommendations affected by the correction being described.
<u><i>[End Correction]</i></u>	Identifies the end of revision marked text based on extractions from the published Recommendations affected by the correction being described.
...	Indicates that the portion of the Recommendation between the text appearing before and after this symbol has remained unaffected by the correction being described and has been omitted for brevity.
--- SPECIAL INSTRUCTIONS --- <i>{instructions}</i>	Indicates a set of special editing instructions to be followed.

7 Technical and Editorial Corrections

7.1 Technical and Editorial Corrections to ITU-T Recommendation T.120

Changes from the previous version were incorporated in T.120 (approved 01/2007).

7.2 Technical and Editorial Corrections to ITU-T Recommendation T.120, Annex C

-None-

7.3 Technical and Editorial Corrections to ITU-T Recommendation T.121

-None-

7.4 Technical and Editorial Corrections to ITU-T Recommendation T.122

-None-

7.5 Technical and Editorial Corrections to ITU-T Recommendation T.123

Changes from the previous version were incorporated in T.123 (approved 01/2007)

7.6 Technical and Editorial Corrections to ITU-T Recommendation T.124

Changes from the previous version were incorporated in T.124 (2007)

7.7 Technical and Editorial Corrections to ITU-T Recommendation T.125

-None-

7.8 Technical and Editorial Corrections to ITU-T Recommendation T.126

7.8.1 ASN.1 Errata

Description: the field “Point” is referred to but undefined in the ASN.1 module for T.126. It should be replaced in its single occurrence by “WorkspacePoint”.

The ASN.1 text shall be amended as shown below by the underline.

[Begin Correction]

...

```
-- EditablePlaneCopyDescriptor
-- Paired list of handles for source objects and their copies.
EditablePlaneCopyDescriptor ::= SEQUENCE
{
    objectList SEQUENCE (SIZE (1..65536)) OF SEQUENCE
    {
        sourceObjectHandle    Handle,
        destinationObjectHandle    Handle
        -- This handle is used to reference the new copy of the
        -- source object in the future.
    },
    destinationOffset WorkspacePoint OPTIONAL,
    -- This parameter defines an offset to be added to the
    -- coordinates of all of the copied objects. If not present,
```

```

planeClearFlag    BOOLEAN,
-- zero offset is assumed.
-- When FALSE, the destination objects are appended to
-- the existing set of objects in the destination plane. When
-- TRUE, all existing objects in the destination plane are
-- deleted prior to the copy operation.
}
...

```

[End Correction]

7.9 Technical and Editorial Corrections to ITU-T Recommendation T.127

7.9.1 ASN.1 Errata

Description: The following additions to the ASN.1 for the File-OfferPDU were omitted from the published text, as documented in the editor's errata sheet issued at the Paris Rapporteur meeting of 10/95.

The ASN.1 text shown below shall be added.

[Begin Correction]

```

File-OfferPDU ::= SEQUENCE
{
    file-header          FileHeader,
    data-channel-id      ChannelID,
    file-handle          Handle,
    roster-instance      INTEGER (0..65535) OPTIONAL,
    file-transmit-token   TokenID OPTIONAL,
    file-request-token    TokenID OPTIONAL,
    file-request-handle   Handle OPTIONAL,
    mbftID               UserID OPTIONAL,
    compression-specifier CompressionSpecifier OPTIONAL,
    compressed-filesize   INTEGER OPTIONAL,
    ack-flag              BOOLEAN,          -- True if acknowledgements
                                         -- required
    ...
}

```

[End Correction]

7.10 Technical and Editorial Corrections to ITU-T Recommendation T.128

-None-

7.11 Technical and Editorial Corrections to ITU-T Recommendation T.134

-None-

7.12 Technical and Editorial Corrections to ITU-T Recommendation T.135

7.12.1 Corrections to Section 9.2 - URST ASN.1 Module

GCC-PROTOCOL is usually not associated with and object identifier (OID) except in T.135. Therefore, to be consistent with the other T.120-series documents, the OID reference in Section 9.2 is removed as shown below.

[Begin Correction]

...

-- Imports definitions from T.124

IMPORTS

TextString, SimpleTextString, DialingString, ExtraDialingString, SubAddressString,
H221NonStandardIdentifier, Key, NonStandardParameter, ChallengeResponse, ChallengeRequest,
Privilege

FROM GCC-PROTOCOL ~~{itu-t(0)-recommendation(0)-t(20)-124};~~

[End Correction]

7.13 Technical and Editorial Corrections to ITU-T Recommendation T.136

-None-

7.14 Technical and Editorial Corrections to ITU-T Recommendation H.282

-None-

Annex: T.120 and T.130 sub-series Defect Report Form

DATE:	
CONTACT INFORMATION <div style="text-align: right; padding-right: 10px;"> NAME: COMPANY: ADDRESS: TEL: FAX: EMAIL: </div>	
AFFECTED RECOMMENDATIONS:	
DESCRIPTION OF PROBLEM:	
SUGGESTIONS FOR RESOLUTION:	

Note - Attach additional pages if more space is required than is provided above.