



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.854.12

(03/99)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital transmission systems – Digital networks –
Management of transport network

Computational viewpoint for pre-provisioned link management

ITU-T Recommendation G.854.12

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION G.854.12**COMPUTATIONAL VIEWPOINT FOR PRE-PROVISIONED LINK MANAGEMENT****Summary**

The pre-provisioned link management service provides functionality to add/remove transport entities (link connections or connection termination points) to/from client linking entities (links/link ends). The client linking entities have to be created using the topology management community (see G.85x.3 series of Recommendations). The transport entities that could be potentially added to the client linking entity have to be provided using either the pre-provisioned adaptation management (see G.85x.8 series of Recommendations) within topological linking entities or using the link management within client linking entities.

Enterprise community actions covered by this Recommendation:

- COMMUNITY plm "pre-provisioned link management";
- "add transport entities to client linking entity";
- "remove transport entities from client linking entity";
- "report client linking entity capacity change".

Source

ITU-T Recommendation G.854.12 was prepared by ITU-T Study Group 4 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 26th of March 1999.

FOREWORD

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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 term *recognized operating agency (ROA)* includes any individual, company, corporation or governmental organization that operates a public correspondence service. The terms *Administration*, *ROA* and *public correspondence* are defined in the *Constitution of the ITU (Geneva, 1992)*.

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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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Recommendation G.854.12**COMPUTATIONAL VIEWPOINT FOR PRE-PROVISIONED
LINK MANAGEMENT***(Geneva, 1999)***1 Scope**

This computational viewpoint specification is related to the pre-provisioned link management enterprise specification defined in Recommendation G.852.12 and to the pre-provisioned link management information specification defined in Recommendation G.853.12.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

- [1] ITU-T Recommendation G.851.1 (1996), *Management of the transport network – Application of the RM-ODP framework.*
- [2] ITU-T Recommendation G.853.1 (1999), *Common elements of the information viewpoint for the management of a transport network.*
- [3] ITU-T Recommendation G.852.12 (1999), *Enterprise viewpoint for pre-provisioned link management.*
- [4] ITU-T Recommendation G.853.12 (1999), *Information viewpoint for pre-provisioned link management.*
- [5] ITU-T Recommendation G.852.8 (1999), *Enterprise viewpoint for pre-provisioned adaptation management.*
- [6] ITU-T Recommendation G.853.8 (1999), *Information viewpoint for pre-provisioned adaptation management.*

3 Definitions

None.

4 Abbreviations

This Recommendation uses the following abbreviations:

ASN.1	Abstract Syntax Notation One
CTP	Connection Termination Point
Id	Identifier
Ifce	Interface