ITU-T

G.7714/Y.1705

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU **Amendment 1** (02/2012)

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

Data over Transport – Generic aspects – Transport network control aspects

SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS

Internet protocol aspects – Operation, administration and maintenance

Generalized automatic discovery for transport entities

Amendment 1

Recommendation ITU-T G.7714/Y.1705 (2005) – Amendment 1



ITU-T G-SERIES RECOMMENDATIONS

TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS

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GENERAL CHARACTERISTICS COMMON TO ALL ANALOGUE CARRIER- TRANSMISSION SYSTEMS	G.200–G.299
INDIVIDUAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON METALLIC LINES	G.300-G.399
GENERAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON RADIO-RELAY OR SATELLITE LINKS AND INTERCONNECTION WITH METALLIC LINES	G.400–G.449
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 $For {\it further details, please refer to the list of ITU-T Recommendations.}$

Recommendation ITU-T G.7714/Y.1705

Generalized automatic discovery for transport entities

Amendment 1

Summary

Amendment 1 to Recommendation ITU-T G.7714/Y.1705 (2005) provides a formal definition of the term transport capability exchange (TCE).

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T G.7714/Y.1705	2001-11-29	15
2.0	ITU-T G.7714/Y.1705	2005-08-22	15
2.1	ITU-T G.7714/Y.1705 (2005) Amd. 1	2012-02-13	15

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. 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 Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at http://www.itu.int/ITU-T/ipr/.

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Recommendation ITU-T G.7714/Y.1705

Generalized automatic discovery for transport entities

Amendment 1

Update clause 3 as follows:

3 Terms and definitions

3.1 Terms defined elsewhere

This Recommendation uses the following terms defined elsewhere: This Recommendation makes uses of the following terms defined in other ITU T Recommendations.

- **3.1.1** access point (AP): See ITU-T G.805.
- **3.1.2 connection termination point (CTP)**: See ITU-T M.3100.
- 3.1.3 continuity supervision: See ITU-T G.806.
- 3.1.4 discovery agent (DA): See ITU-T G.80810.
- **3.1.5 link**: See ITU-T G.852.2 and G.853.1.
- **3.1.6 link connection**: See ITU-T G.805.
- **3.1.7 network connection**: See ITU-T G.805.
- **3.1.8 subnetwork point (SNP)**: See ITU-T G.808<u>1</u>0.
- **3.1.9 trail**: See ITU-T G.805.
- **3.1.10** trail termination point (TTP): See ITU-T M.3100.

3.2 Terms defined in this Recommendation

This Recommendation defines the following terms:

3.2.1 transport capability exchange (TCE): Transport capability exchange is used for exchanging information about the capabilities of the transport entities (e.g., termination and adaptation capabilities) in order to facilitate the negotiation of an agreed set of capabilities. Preconditions of the TCE process include knowledge of the layer adjacency information and the local capabilities.

ITU-T Y-SERIES RECOMMENDATIONS

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Service aspects: Interoperability of services and networks in NGN	Y.2250-Y.2299
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For further details, please refer to the list of ITU-T Recommendations.

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