ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.8080/Y.1304

Corrigendum 1
(09/2007)

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

Packet over Transport aspects – Ethernet over Transport aspects

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

Internet protocol aspects – Transport

Architecture for the automatically switched optical network (ASON)

Corrigendum 1

International
Telecommunication
Union

ITU-T G-SERIES RECOMMENDATIONS

TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS

For further details, please refer to the list of ITU-T Recommendations.

ITU-T Recommendation G.8080/Y.1304

Architecture for the automatically switched optical network (ASON)

Corrigendum 1

Summary

This corrigendum identifies corrections to be made in ITU-T Recommendation G.8080/Y.1304.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. 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.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had 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/.

ITU-T Recommendation G.8080/Y.1304

Architecture for the automatically switched optical network (ASON)

Corrigendum 1

Modifications introduced by this corrigendum are shown in revision marks. Unchanged text is replaced by ellipsis (…). Some parts of unchanged texts (clause numbers, etc.) may be kept to indicate the correct insertion points.

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Table 2 – Connection controller component interfaces

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Output interface	**Basic output parameters**	**Basic return parameters**
Route Query	Unresolved route fragment	Route
Link Connection Request	–	A Link Connection (an SNP pair)
Connection Request Out	A pair of local SNP names	A subnetwork connection
Peer coordination Out	1) A pair of SNP names; or 2) SNP and SNPP; or 3) SNPP pair~~.~~; or 4) Route.	Confirmation signal
Remote topology status Out	Topology information (link and/or subnetwork) including resource availability	–

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Table 6 – Calling/called party call controller component interfaces

Input interface	**Basic input parameters**	**Basic return parameters**
Call Accept	Transport Resource Identifier ~~or~~, VPN Transport Resource Identifier or Call Name	Confirmation or Rejection of call request
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7.3.5.2   Network call controller

Network call controllers are instantiated at domain boundaries (i.e., at E-NNI reference points, or UNI reference points, where the call parameters need to be examined, e.g., different administrations, different recovery domains, etc.).

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7.3.8 Link discovery process

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In order to assign an SNP-SNP link connection to an SNPP link, it is only necessary for the transport name for the link connection to exist. Thus it is possible to assign link connections to the control plane without the link connection being physically connected. This assignment procedure may be verified by the LRMs exchanging the Transport link <u>connection</u> name <u>(i.e., CP-CP name or TCP-TCP name)</u> that corresponds to the SNP.

Note that the fully qualified SNPP link name is a control plane name reflecting the structure of transport plane resources.

7.4 Protocol controller (PC) components

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For further details, please refer to the list of ITU-T Recommendations.

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