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SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE
AND INTERNET PROTOCOL ASPECTS

Internet protocol aspects – Architecture, access, network
capabilities and resource management

Support of IP-based services using IP transfer capabilities

ITU-T Recommendation Y.1241

(Formerly CCITT Recommendation)

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

Support of IP-based services using IP transfer capabilities

Summary

This Recommendation classifies IP-based services, introduces the concept of the IP service plane and presents resulting IP transfer capability attributes. This Recommendation describes the service level agreement and identifies the range of SLA attributes to be considered.

Source

ITU-T Recommendation Y.1241 was prepared by ITU-T Study Group 13 (2001-2004) and approved under the WTSA Resolution 1 procedure on 1 March 2001.

Keywords

ATM, B-ISDN, Interworking, IP, Network, PSTN, Service Plane, Service Level Agreement (SLA), Transfer Capability.

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FOREWORD

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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.

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Support of IP-based services using IP transfer capabilities

1 Scope

This Recommendation specifies:

- service plane concept for IP-based services;
- support of IP-based services by ATM;
- attributes for IP transfer capabilities to support IP-based services;
- service level agreement for IP-based services.

By introducing the concept of the service plane, the possible sets of attributes for IP transfer capabilities to support the IP-based services are given.

Figure 1 shows the relationship of this Recommendation with related IP Recommendations.

IP-based services may be supported on IP above any layer 1 and layer 2 transport capable of supporting IP. While Figure 1 shows ATM as the transport mechanism, other underlying transfer mechanisms can be used to provide the same IP-based services. The use of IP over these other transfer mechanisms is described in other Recommendations.

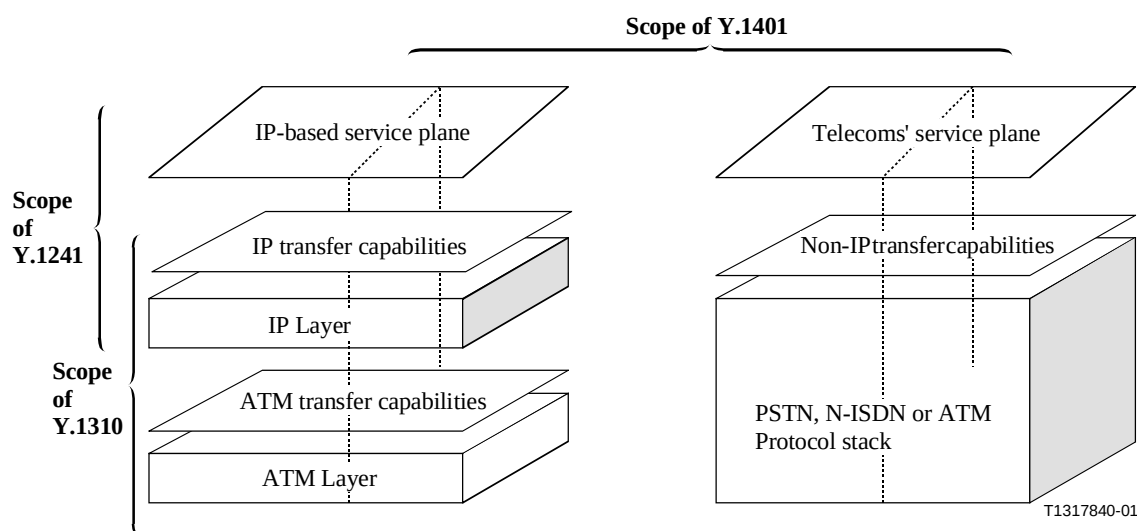


Figure 1/Y.1241 – Relationship of IP-based services transport and interworking Recommendations

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; 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.