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ITU-T Y.2000-series – Supplement on NGN requirements for interworking with legacy IP-based networks

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Supplement 21 to Y.2000-series Recommendations

ITU-T Y.2000-series – Supplement on NGN requirements for interworking with legacy IP-based networks

Summary

This supplement to ITU-T Y-series Recommendations describes requirements for interworking between NGN and legacy IP-based networks. It provides general overview of interworking between NGN and legacy IP-based networks and requirements for NGN capabilities in order to interwork with each other.

Keywords

legacy IP-based network, interworking, NGN

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1 Scope

This supplement describes requirements for interworking between NGN and legacy IP-based networks. It focuses on requirements for NGN capabilities to support interworking with legacy IP-based networks.

This supplement provides:

- General description of interworking between NGN and legacy IP-based networks;
- Requirements for NGN capabilities in order to interwork with legacy IP-based networks.

2 References

The following ITU-T Recommendations and other references contain provisions, which, through reference in this text, constitute provisions of this Supplement. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Supplement 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.

The reference to a document within this Supplement does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T I.510]	Recommendation ITU-T I.510 (1993), <i>Definitions and general principles for ISDN interworking</i> .
[ITU-T Y.1251]	Recommendation ITU-T Y.1251 (2002), <i>General architecture model for interworking</i> .
[ITU-T Y.1401]	Recommendation ITU-T Y.1401 (2008), <i>Principles of interworking</i> .
[ITU-T Y.2001]	Recommendation ITU-T Y.2001 (2004), <i>General overview of NGN</i> .
[ITU-T Y.2011]	Recommendation ITU-T Y.2011 (2004), <i>General principles and general reference model for Next Generation Networks</i> .
[ITU-T Y.2012]	Recommendation ITU-T Y.2012 (2010), <i>Functional requirements and architecture of the NGN release 1</i> .

3 Definitions

3.1 Terms defined elsewhere:

This supplement uses the following terms defined elsewhere:

3.1.1 adaptation function [ITU-T Y.1251]: A processing function which adapts the client layer network characteristic information into a form suitable for transport over a trail in the server layer network.

3.1.2 interworking [ITU-T I.510]: The term “interworking” is used to express interactions between networks, between end systems, or between parts thereof, with the aim of providing a