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

**ITU-T Y.2000 series – Supplement on service
scenarios for convergence services in a
multiple network and application service
provider environment**

ITU-T Y-series Recommendations – Supplement 3

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Supplement 3 to ITU-T Y-series Recommendations

ITU-T Y.2000 series – Supplement on service scenarios for convergence services in a multiple network and application service provider environment

Summary

This Supplement defines service scenarios for convergence services in a multiple network and application service provider environment, and it defines convergence terminal capabilities for describing convergence service scenarios. In addition, the deployment architecture for a multiple network and application service provider environment is described. Finally, typical scenarios of convergence services on the contents level and functional level, such as personal broadcasting services and event driven services, are introduced.

Source

Supplement 3 to ITU-T Y-series Recommendations was agreed on 25 January 2008 by ITU-T Study Group 13 (2005-2008).

Keywords

Convergence service, convergence terminal equipment (CTE), event driven service (EDS), personal broadcasting service (PBS).

FOREWORD

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Supplement 3 to ITU-T Y-series Recommendations

ITU-T Y.2000 series – Supplement on service scenarios for convergence services in a multiple network and application service provider environment

1 Scope

Convergence services could be provided to users, on user-requests, taking advantages of combinations of contents or functions administered by the multiple network or application service providers for the purpose of providing more benefits to users and more profits to providers.

Key features in this Supplement are:

- a) service coordination, including interactions between multiple application service providers above the application network interface (ANI);
- b) content convergence and functional convergence from multiple application service providers;
- c) terminal capabilities that support services covering content and functional convergence.

This Supplement covers:

- definition of, and requirements for, convergence services in an environment with multiple application service providers and network providers;
- terminal capabilities for convergence services;
- deployment architecture for a multiple network and application service provider environment;
- convergence service scenarios such as:
 - personal broadcasting service (PBS)
 - event-driven service (EDS).

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3 Definitions

This Supplement defines the following terms. These terms are specific to this Supplement and are used to facilitate new functionalities.

- 3.1 application service provider (ASP):** The role that provides application services to users through the ANI to deliver a wide variety of services including voice, video, audio and visual data, via session- and interactive-based services in unicast, multicast and broadcast.
- 3.2 content convergence:** One aspect of the service convergence related to the combination or coordination of contents that are managed by different application service providers.
- 3.3 convergence gateway (CG):** The gateway between terminals and NGN, which provides convergence services to the legacy TE.
- 3.4 convergence service:** A service resulting from service convergence. In this Supplement, service convergence is realized using content and functional convergence.
- 3.5 convergence terminal equipment (CTE):** The end user's terminal equipment for accessing the convergence services.
- 3.6 functional convergence:** One aspect of the service convergence related to the combination or coordination of functions used within services that are controlled by different application service providers.
- 3.7 network provider (NP):** The role that has overall responsibility for the provision of network facilities covering NGN transport stratum and service stratum.

4 Abbreviations and acronyms

This Supplement uses the following abbreviations and acronyms:

AAA	Authentication, Authorization and Accounting
AN	Access Network
AN-FE	Access Node Functional Entity
ANI	Application Network Interface
AS	Application Service