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ITU-T's Study Group 13

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Why the Internet Matters Basic Ngn Architecture Principles Itu

Basic NGN Architecture & Principles Keith G Knightson Canada. 2 NGN Architecture: Initial Considerations □ NGN difficult to define in
absolute terms of: ... ITU-T Recommendation Y.2011. 6 Transport Network of Service Platforms NGN Telecomm Services Network of
Transport Components Separation Networking Aspects. 7

Basic NGN Architecture Principles - ITU: Committed to ...

ITU-T ITU-T Workshop on NGN (jointly organized with IETF) Geneva, 1-2 May2005 Basic Functional Architecture Transport stratum Service
stratum Media Handling Functions Access Functions Other networks Other networks Customer Functions Transport User Profile Functions
Application Functions Gateway Functions Transport Control Functions Control Media UNI NNI Edge Functions

Basic NGN Architecture Principles & Issues

What is NGN: Basic Architecture Keith Knightson Consultant Industry Canada. 2 ITU-T ... ITU-T Rec. Y.2011 NGN: Horizontally Integrated
Networks Far reaching implications. 5 ITU-T ... □ Architectural principles □ OSI model relevance □ G.805 relevance o Y.2012 (Y.FRA) ...

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What is NGN: Basic Architecture - ITU: Committed to ...

General framework and architectural principles Architecture models for the NGN End-to-end QoS Service platforms Network management Security Generalized mobility Network control architecture and protocols Service capabilities and service architecture Interoperability of services and network in NGN Numbering, naming and addressing Disaster and relief communication capabilities

Next Generation Networks architecture by ITU-T

ITU-T RECOMMENDATION Y.2011: GENERAL PRINCIPLES AND GENERAL REFERENCE MODEL FOR NGN The primary purpose of Y.2011 is to provide a basis for developing functional models for NGN-based services. First, it points out the potential differences between NGN layered systems and the seven-layer open systems interconnection basic refer-

NGN Architecture: Generic Principles, Functional ...

NGN Architecture: objectives and core component o The advanced objectives of the NGN Architecture □ Support of a comprehensive set of services over a unifying IP layer network (converged network) □ Transport stratum support of a multiplicity of access networks and a variety of mobile and fixed terminal types

NGN studies in ITU-T (a brief and not exhaustive overview)

Basic NGN Architecture Principles & Issues NGN Architectures, Protocols and Services: Toni Janevski ... Next Generation Networks - NGN NGN ... Services Networks □ NGN, All-IP concept and ITU NGN standards, NGN control architectures and protocols (TISPAN), Numbering, naming and addressing in NGN □□□□□□□□□□ □□□□□: Toni Janevski. NGN

Ngn Architectures Protocols And Services

ITU-T □ Architecture centers on SIP proxy-equivalent Call Session Control Functions (CSCFs). □ Employs a separation model that decouples media processing elements and their controlling elements. □ Links to transmission systems through a Gq interface.

Functional Architecture Model of NGN - ITU: Committed to ...

Manila , Philippines, June 2010 ITU - NGN elements - OGS Union. Network Architecture: Existing networks and architecture. □ 5 different network types to handle telecom services □ TDM for fixed and mobile networks working in circuit mode with end to end reserved paths □ SS7 and IN network working with message switching mode □ Data network working with leased lines and packet mode with different and conventional IP protocols.

NGN Architecture and main Elements

and basic communication architecture principles specified in ITU-T Rec. X.200 [1]. The general reference architecture model described in this Recommendation should enable the support of the overall NGN characteristics as given in ITU-T Rec. Y.2001 [4]. In particular, it is neutral

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with respect to specific protocols and/or technologies.

ITU-T Rec. Y.2011 (10/2004) General principles and general ...

ITU Standardization and its new Environment: Arshey Odedra (ITU TSB) 10:10 - 10:30 : Keynote 3 NGN Focus Group Activities: Chae Sub Lee FGNGN Chairman : 10:30 - 11:00: Coffee Break: 11:00-12:30: Session 1: NGN Framework and Architecture: Khalid Ahmad (TTA) 11:00-11:30: 1-1: Basic NGN Architecture & Principles [Presentation] Keith Knightson ...

NGN Technical Workshop - ITU

The ITU-T has started its work on NGN in 2003 by creating the so-called Joint Rapporteur Group on Next Generation Network (JRG-NGN), which targeted to study several main subjects such as: NGN requirements, the general reference model, NGN functional requirements and functional architecture, and evolution to NGN (from existing telecommunication ...

NGN Next Generation Network - SlideShare

III. GENERIC NGN FUNCTIONAL ARCHITECTURE The collaborative efforts of the ITU-T, ETSI, TISPAN and 3GPP [23] gave rise to ITU-T recommendation Y-2012 [8] for the generalized NGN functional architecture. The functional architecture of NGN defines sets of entities where each provides a unique function. Relationships and connections between

On the Design of Next Generation Network Architecture for ...

NGN □ ITU Perspective □ Next Generation Network (NGN) provides a framework for network evolution, as defined by the ITU-T (Rec. Y.2001) □ Key Characteristics □ Packet-based network [generally Internet Protocol or IP] □ Independence of service-related functions from underlying transport technologies □ Interworking with legacy networks via open interfaces □ Generalized mobility □ Unrestricted access by users to different services and/or service providers

NGN BASICS - SlideShare

NGN, All-IP concept and ITU NGN standards, NGN control architectures and protocols (TISPAN), Numbering, naming and addressing in NGN Basic NGN Architecture Principles & Issues This book provides comprehensive coverage of NGN (Next Generation Network) architectures, protocols and services. It covers the foundations of NGN such as Internet technologies (as

Ngn Architectures Protocols And Services

In addition, the activities of the ITU-D Regional offices will be highlighted. 1730 xxxx (social activity) ITU-T\BUREAU\CIRC\014E.DOC - 4 - Day 2, 8 April 2009 0900 □ 1030 Session 4: An Implementable NGN Architecture, and its Capabilities.

1230 1400 Lunch 1400 1530SESSION 2 Current ITU ...

ITU Centres of Excellence for Europe Next Generation Networks - NGN Module 1: ITU NGN standards and architectures Main drivers to Next

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Generation Networks □ NGN, All-IP concept and ITU NGN standards, NGN control architectures and protocols (TISPAN), Numbering, naming and addressing in NGN

Next Generation Networks - NGN

The next-generation network (NGN) is a body of key architectural changes in telecommunication core and access networks. The general idea behind the NGN is that one network transports all information and services (voice, data, and all sorts of media such as video) by encapsulating these into IP packets, similar to those used on the Internet.

Next-generation network - Wikipedia

The International Telecommunication Union (ITU; French: Union Internationale des Télécommunications or UIT), is a specialized agency of the United Nations responsible for all matters related to information and communication technologies. Established in 1865 as the International Telegraph Union (French: Union Télégraphique Internationale), it is one of the oldest international organizations ...

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