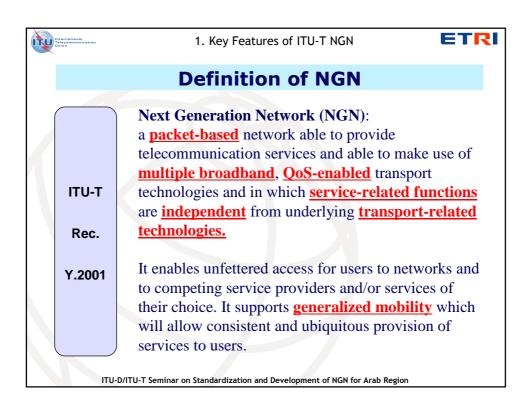
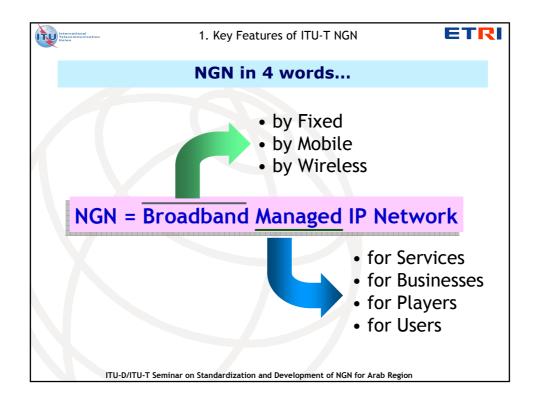


Content 1. Key Features of ITU-T NGN 2. Impacts of ITU-T NGN 3. Ultimate Goal of User 4. Future Study Direction 5. Conclusion







1. Key Features of ITU-T NGN



Key Principles of NGN

- Open architecture: open to support service creation, service updating, and incorporation of service logic provision by third parties and also support "Distributed control" as well as enhanced security and protection.
- Independent provisioning: service provision process should be separated from network operation by using distributed, open control mechanism to promote competition.
- <u>Multiplicity</u>: The NGN functional architecture shall offer the configuration flexibility needed to support multiple access technologies.

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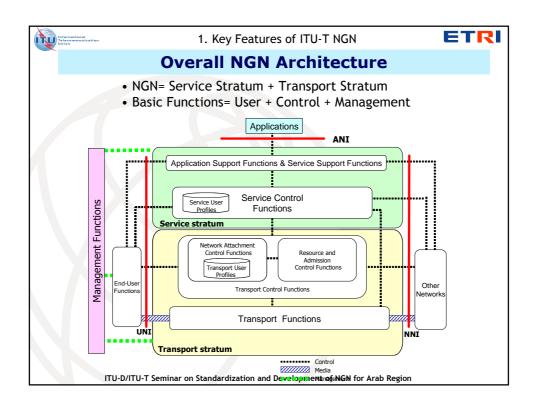
1. Key Features of ITU-T NGN

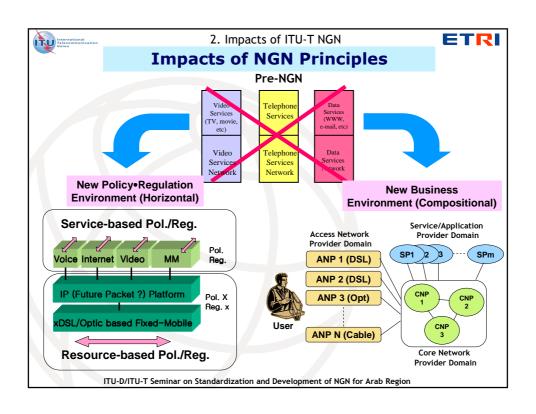


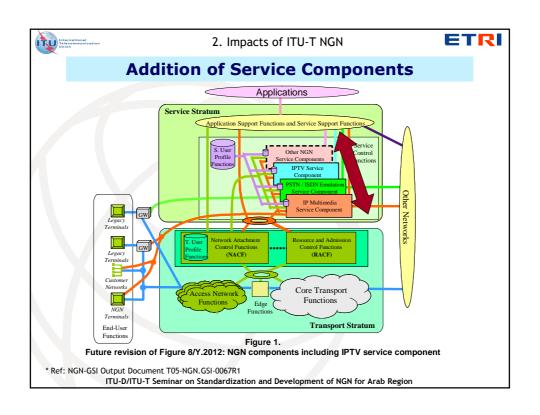
Key Features of ITU-T NGN

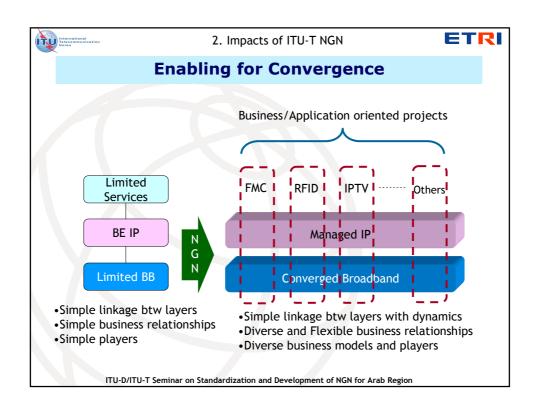
- Packet-based transfer;
- <u>Separation of control functions</u> among BC, call/session, and application/ service;
- Decoupling of service provision from transport;
- Support for a wide range of services based on service building blocks;
- Broadband capabilities with end-to-end QoS;
- Interworking with legacy networks via open interfaces;
- Generalized mobility;
- <u>Unfettered access by users</u> to different service providers;
- A variety of identification schemes;
- Unified service characteristics for the same service as perceived by the user;
- Converged services between fixed/mobile;
- Independence of service-related functions from underlying transport technologies;
- Support of multiple last mile technologies;
- Compliant with all regulatory requirements
 (e.g. emergency, privacy, lawful interception, etc.)

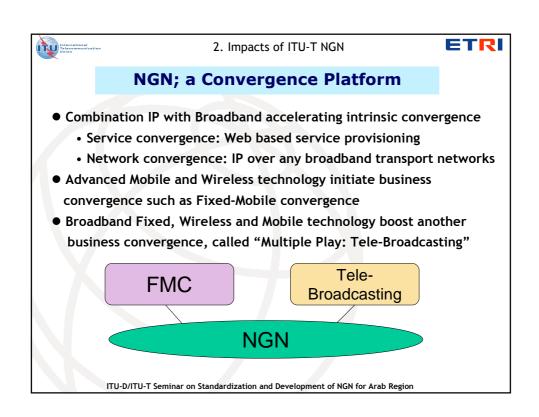
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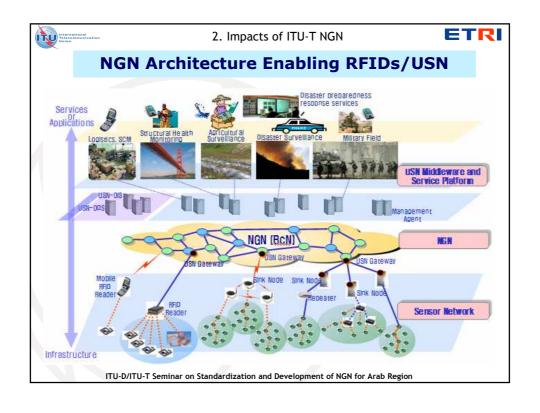


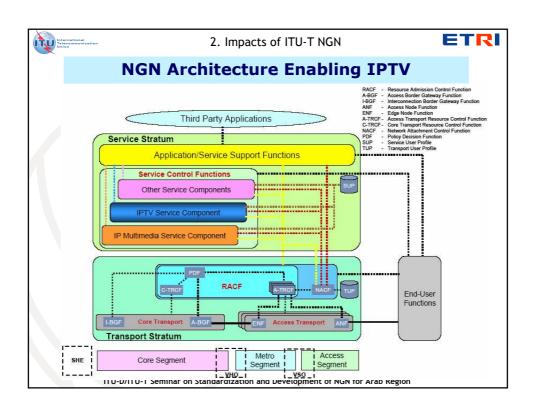


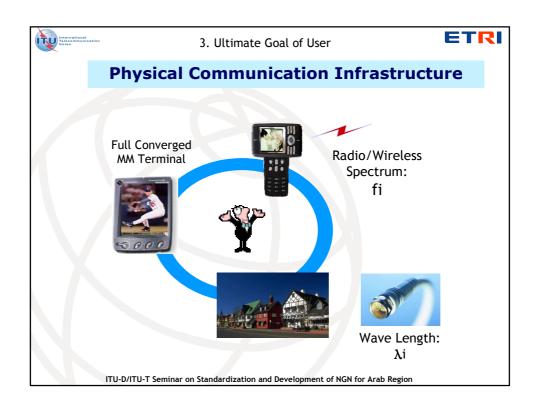


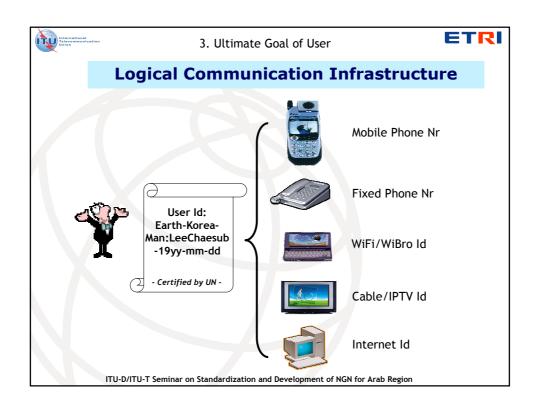


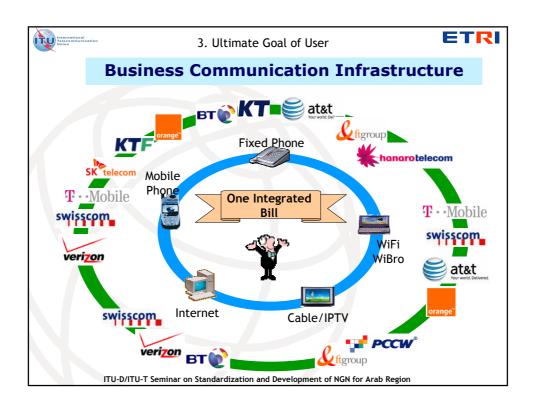














4. Future Study Directions



Clue for the Future Study

Convergence should be a critical framework for Future

- Vision: Any Time, Any Where, Any Services and Any Devices
- Fixed Mobile Convergence should be the 1st instantiation
- Any information/services over any transport infrastructures: VoDSL, TVoMobile, etc. (because of transport agnostic)

Changing Role of current network model; U-/C-/M-

- IP is the point for service offerings: Everything ov. IP ov. Anything
- Key role of below IP is providing connections; BW, QoS etc
- Signaling among distributed network element, not end-to-end
- Many different IDs for different services; E.164, Names, IP Add etc.
- User expectation for Management is changing; no interest for connection or operation, only for services and businesses



New Paradigm: New model of User/Control/Management

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