



1. Why need Evolution/Migration?



Drivers of Network Evolution - 4

Interoperability

o Interoperable equipments from all vendors

Multitude of access networks

- o Fixed, mobile, copper, fibre, wireless......
- Transparent mobility across wireline & wireless

Shared resources

o Shared voice & data resources

Mixing of traditional and internet service

 Ability to combine traditional circuit switched communication services and IP services

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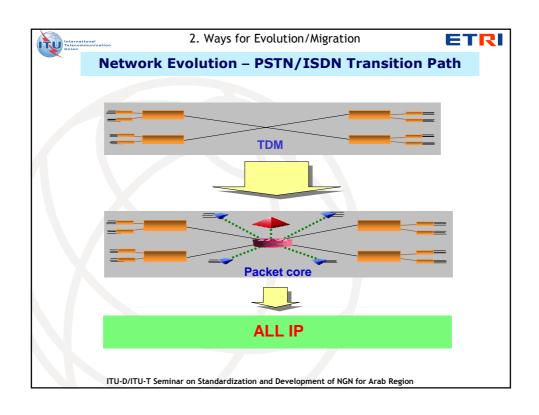
2. Ways for Evolution/Migration

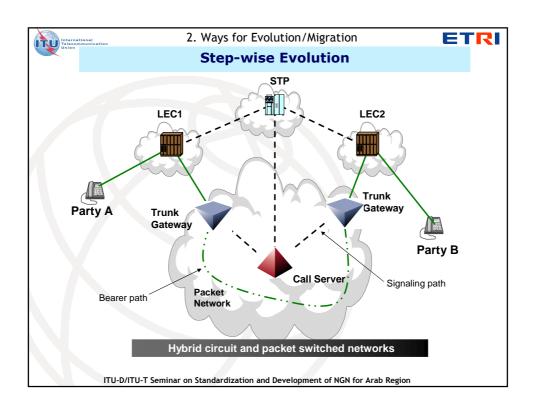


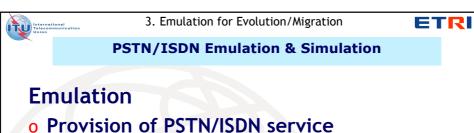
Generic Evolution Procedure

- 1. Provision of new communication services to broadband users in addition to existing network.
- 2. A significant portion of users switches to those services. Reduction of true PSTN / ISDN usage visible.
- 3. Cost of maintaining both systems in parallel becomes a factor. Decision to begin replacement of infrastructure.
- 4. Replacement of part of the infrastructure (e.g. local switch) by new infrastructure, without forcing all users to migrate.
- 5. Full change to new infrastructure.
- 6. Migrate remaining users to NGN.

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 Provision of PSTN/ISDN service capabilities and interfaces using adaptation to an IP infrastructure.

Simulation

 Provision of PSTN/ISDN-like service capabilities using session control over IP interfaces and infrastructure

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