

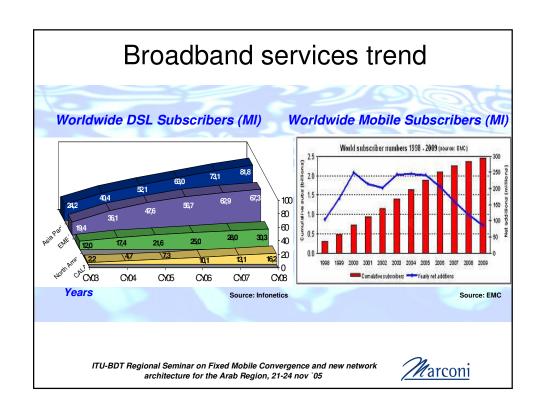


The Multiservice Packet based Transport Network enables the Digital Services Delivery

Tunis, 21 Nov 2005

Mauro Filippi Marketing Director Marconi Communications

ITU-BDT Regional Seminar on Fixed Mobile Convergence and new network architecture for the Arab Region, 21-24 nov '05



Broadband web services: "digital life" enabler

Entertainment

- Broadcast SDTV/HDTV
- Video on Demand
- Video/Audio Streaming and download
- Multi player interactive Gaming
- Gambling
- Mobile Video/Audio

Information

- Internet access
- E-shopping
- On-line booking
- Telemedicine
- M-commerce, cashless payments
- Location Based Services
- E-government
- On line learning
- Collaboration/Education

Communications

- Data & Voice convergence
- Fix-Mobile convergence
- Two-way video comms
- Unified Messaging
- Virtual Presence
- Homework

Home Management

- Utilities Management
- Home automation
- CCTV (Remote Surveillance)
- Door & Window monitoring
- Alarm monitoring
- Emergency & localization

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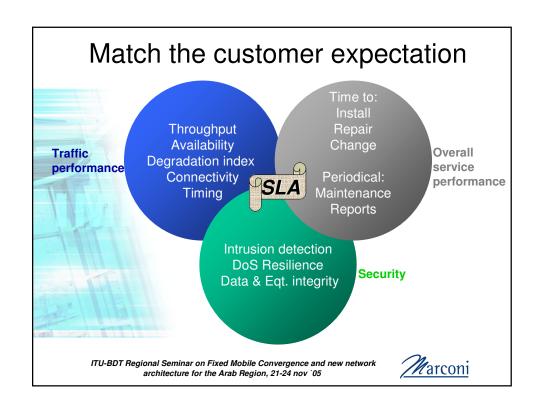
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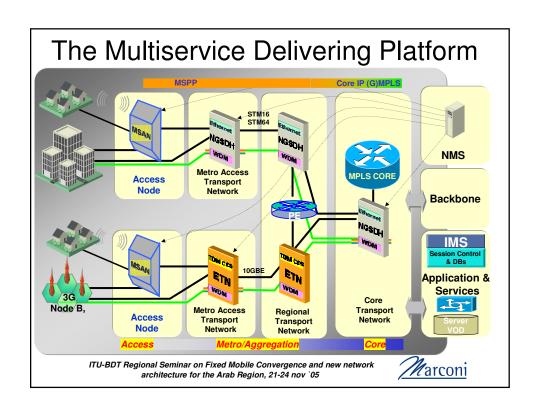
Reliable services

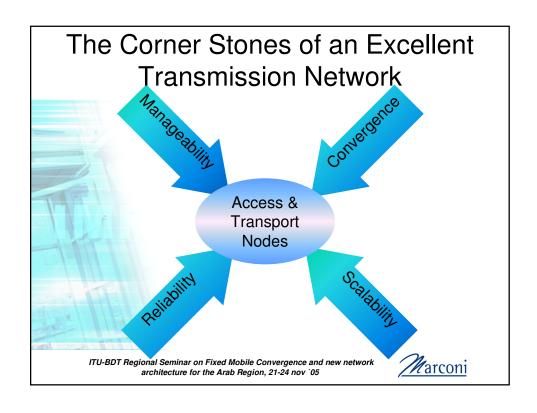
- More and more services are delivered on IP in a competitive environment
- Reliability requirements of business and residential users are linked to the 'Quality of experience'
 - user's 'expectation' for data services dominated by download time
 - voice and real time video reference: historical services (PSTN, aerial TV broadcast)
- The international standard bodies identify 6 classes of IP services on the basis of the availability target
- The spectrum of the services is so wide that the reliability index spans from 0.03 to 0.75 (IPLR)

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User traffic consumption

The evolving video coding and transmissions technologies will allow telecom operators, deploying most of the existing infrastructures, to distribute real broadband services to their customers.

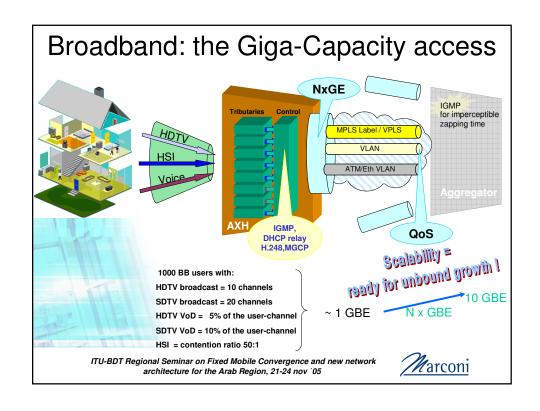
Figures with user bandwidth in 20 to 25Mbps range are conceivable.

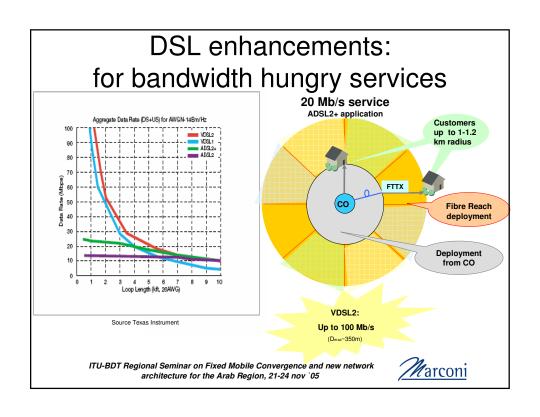
- Near Term 20Mbps
 - HDTV 1 x 12 Mbps
 - SDTV 1 x 4 Mbps
 - HSI 1 x 3.5 Mbps
 - Voice 2 x 0.128 Mbps
 - Video Tel.1 x 0.384 Mbps
- Further step 24Mbps
 - HDTV 1 x 9 Mbps
 - SDTV 2 x 3 Mbps
 - HSI 1 x 8 Mbps
 - Voice 2 x 0.128 Mbps
 - Video Tel.1 x 0.75 Mbps

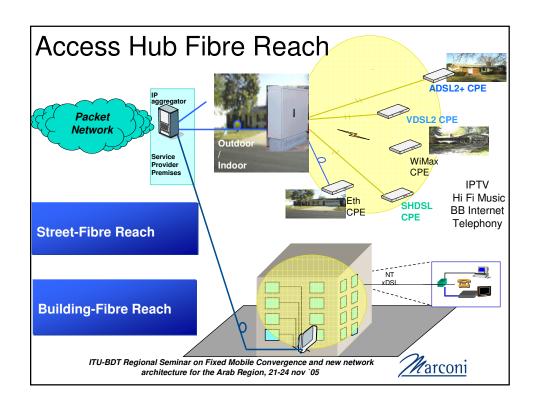
Traffic profile examples

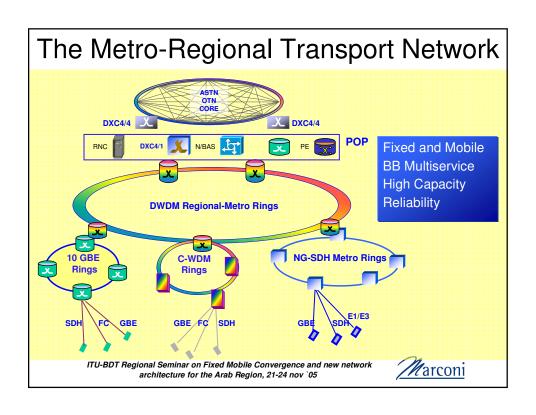
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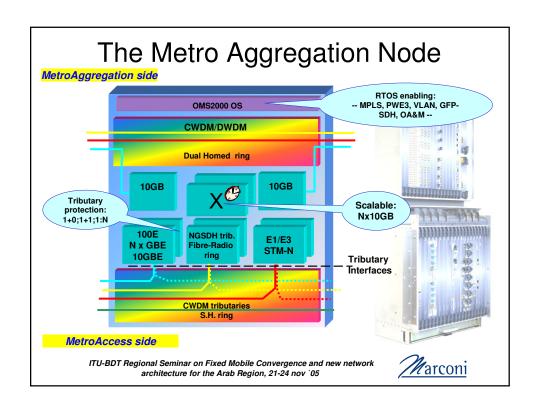


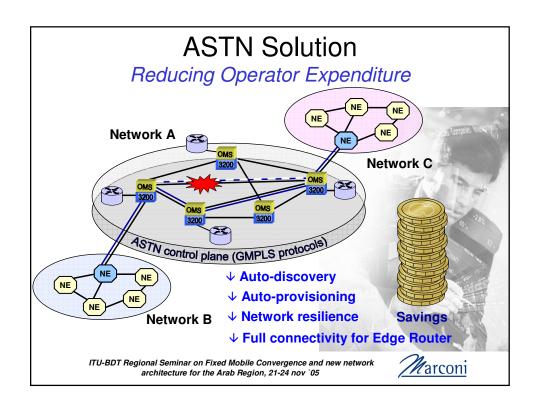


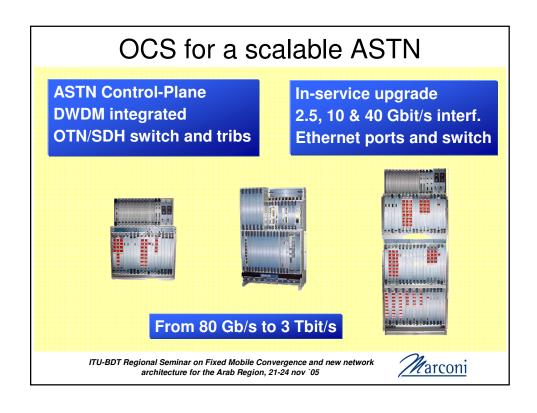


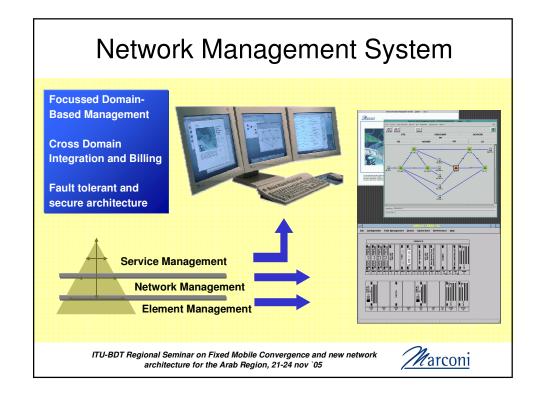
















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THANKS

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