Mobile Converged Networks



2.2.1 Shaping the Future: Mobile Network Evolution to NGN

Regional Workshop for the Arab Region on Guidelines on the Smooth Transition of Existing Mobile Networks to IMT-2000 for Developing Countries

Damascus, Syria 13-15 June 2005

John Visser, P.Eng.

Sr. Mgr., International Network Standards

Phone: +1-613-763-7028 Fax: +1-613-763-2697 Mobile: +1-613-276-6096 Email: jvisser@nortel.com





>THIS IS THE WAY

Shaping the Future: Mobile Network Evolution to NGN

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>THIS IS NORTEL

Objective and Outline



> Objective

- Show network transformation and convergence are essential for enhancing the user experience, and are driven by user demand
- Show mobility must be an integral capability of the Next Generation Network

> Outline

- Value: User Services / Service Infrastructure / Network
- · Shifting "demographics"
- Convergence opportunity: mobility is a key dimensions of the NGN
- · Convergence and network transformation
- Realizing the Vision: simplifying the user's life / transforming the network

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What's Life Like







• Contact Lists are by application, device, and individual situation

> In 2010 ...

- · Everyone is connected and people can't do without being on-line
- The first place people go for content is on-line
- · Informal peer groups and sharing is open and legal

> In 2015 ...

- Everyone and everything is connected all the time, everywhere
- · The only place people go for content is on-line
- Dynamic communities of interest without any boundaries

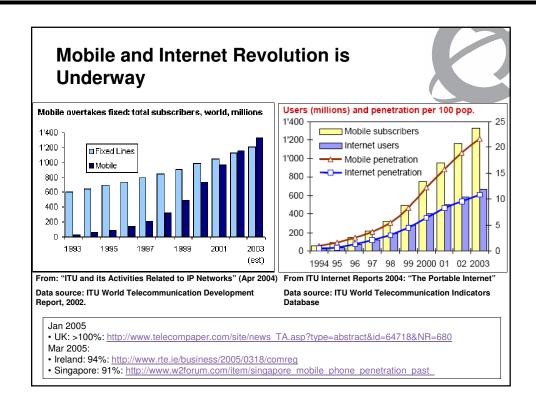


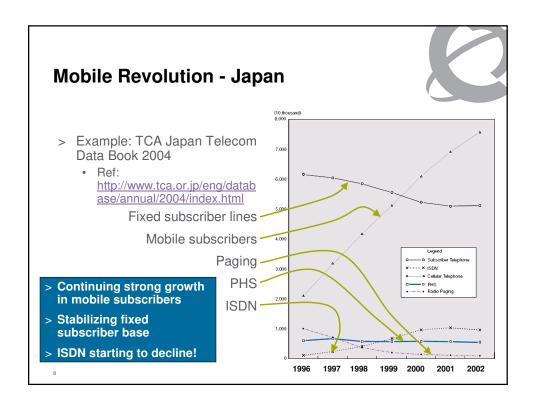


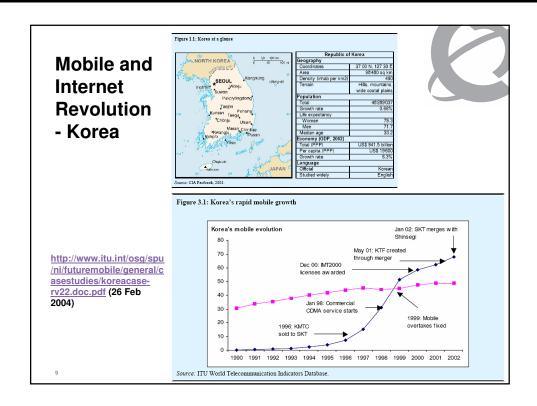
Today's technology savvy teenager (software downloading, IM addicted, camera phone wielding) is grown up, a key decision maker at home and at work, and your target customer!

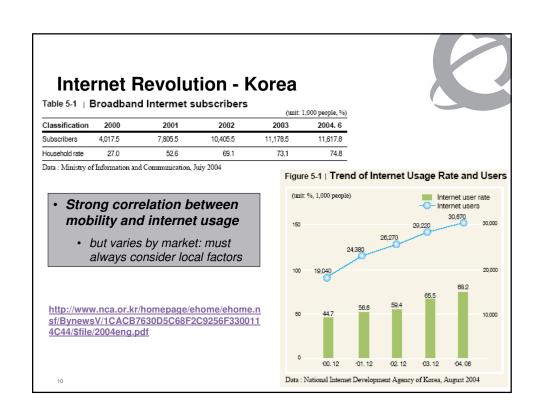
End Users Value ... The Multimedia Experience Security & Personalization personal ... for enhanced productivity and user experience



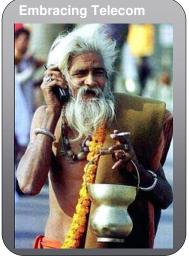








Business in IndiaCountry of Contrasts







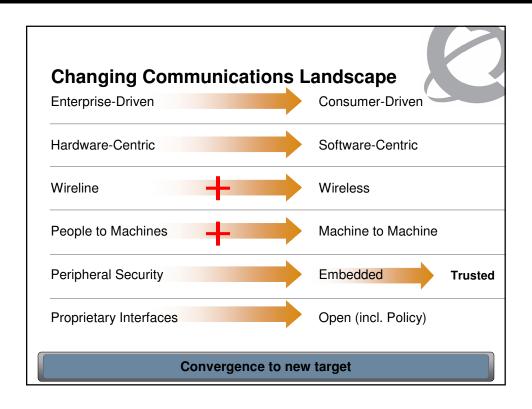
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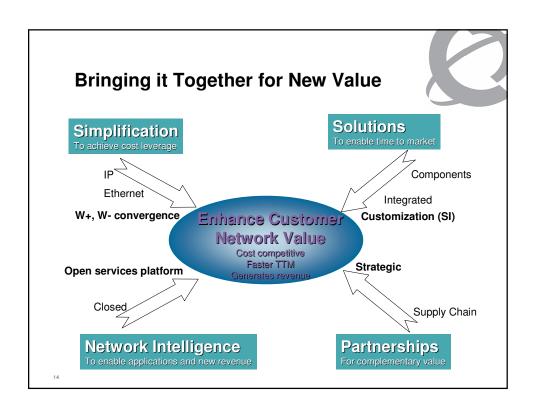
Forecasts

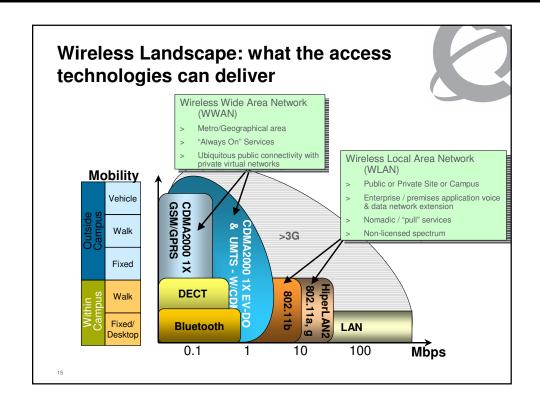


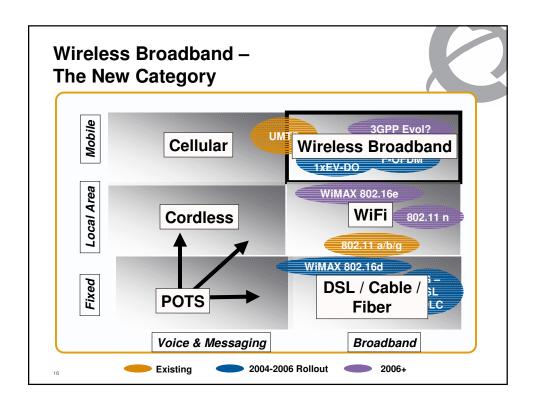
- > Many available!
 - Example: Yankee Group, News Release 24 Jun 2003:
 - estimate 18.6% of world's population currently has mobile phones
 - global wireless user base will increase 49% over next 4 years, reach 1.72B by 2007
 - global cellular subscriber revenue will grow from \$387B in 2002 to \$584B in 2007, similar in value to crude oil production
 - Reality: Dec 2004*:
 - enormous growth in Russia, India, China: e.g., China added 9.25M mobile subscribers in Feb 2005!**
 - global wireless user base: 1.5B at end 2004; internet user base: 700M at mid 2004
 - global mobile revenue already \$414B in 2003
 - * CNN: www.cnn.com Dec 9, 2004, using ITU info
 - ** Shosteck Email Briefing, April 2005; www.shosteck.com

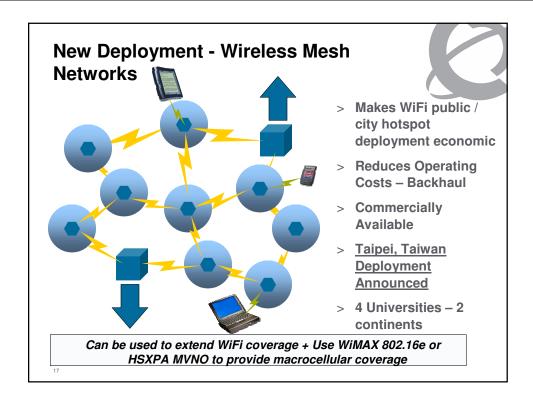
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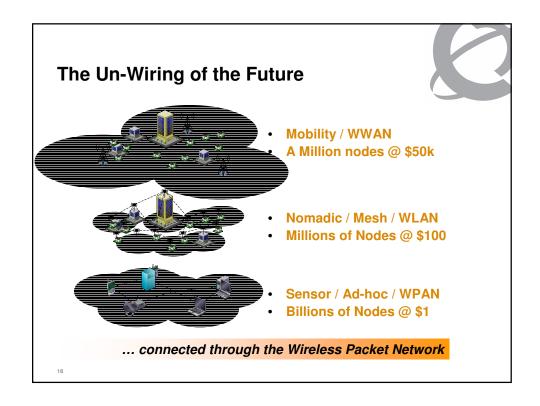


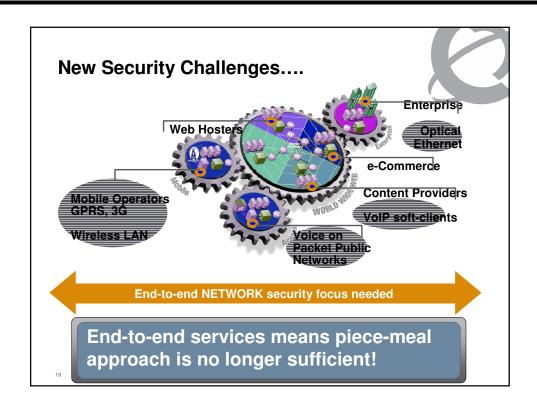


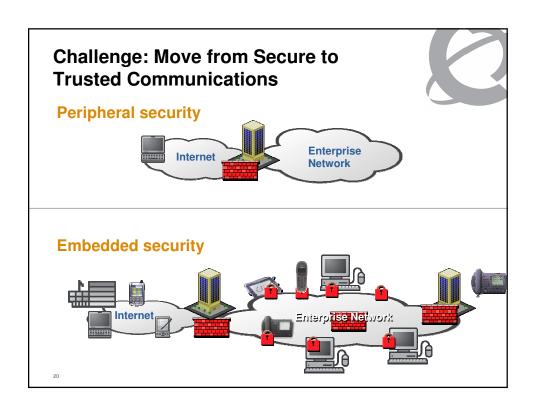


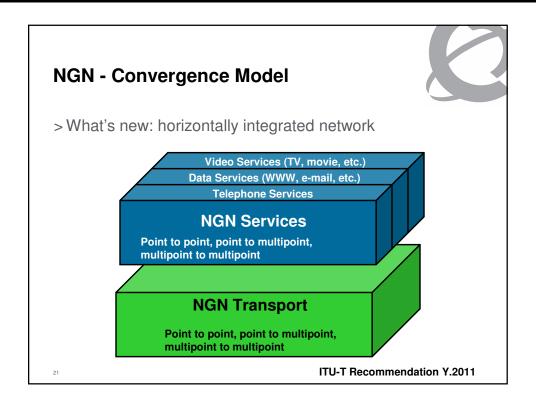


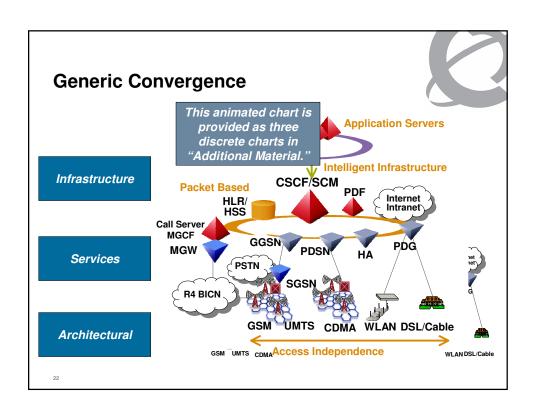


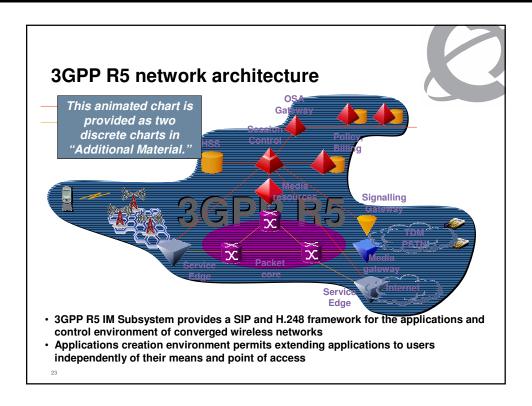


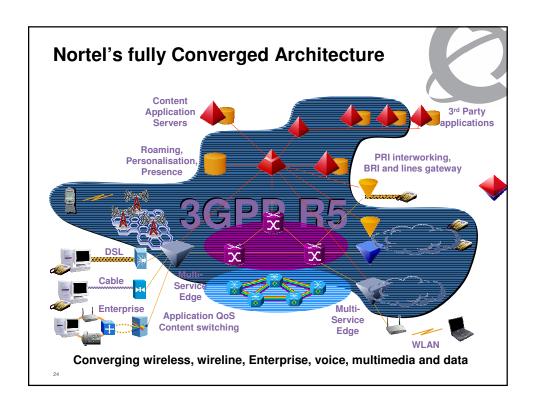


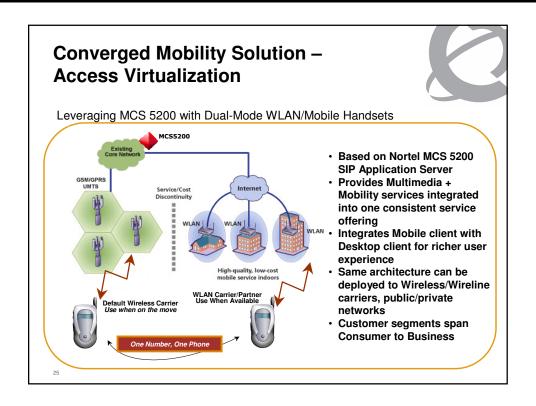


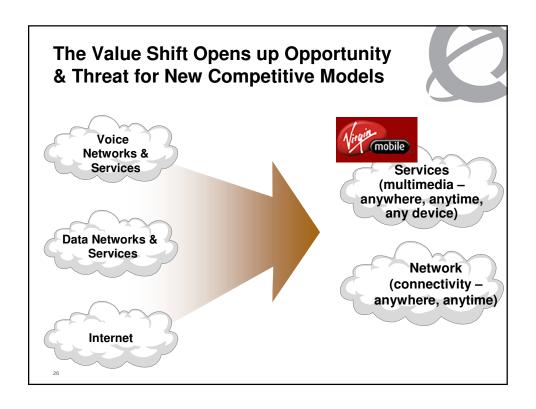












Enhancing End User Experience: Blending User Devices



- > PC, phone(s) and PDA: different user interfaces to the same networkbased application
- > Common, network-based directory for:
 - Phone numbers
 - Buddies & presence
 - · Email address book
 - · All applications
- > Just one address to reach the user
- > Unified, network-based, user profile applying to all terminals
 - E.g., set presence location, call routing preferences, etc., on any terminal and it applies to all

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