



MÜNCHNER KREIS 14. 11. 2001

Märkte und Anwendungen für UMTS - Erfolgsfaktoren für eine europäische Innovationsführerschaft

Panel 3:

***„Die Bündelung von IT-, Medien- und
Telekommunikations- Kompetenzen als Basis für den
Markterfolg “***

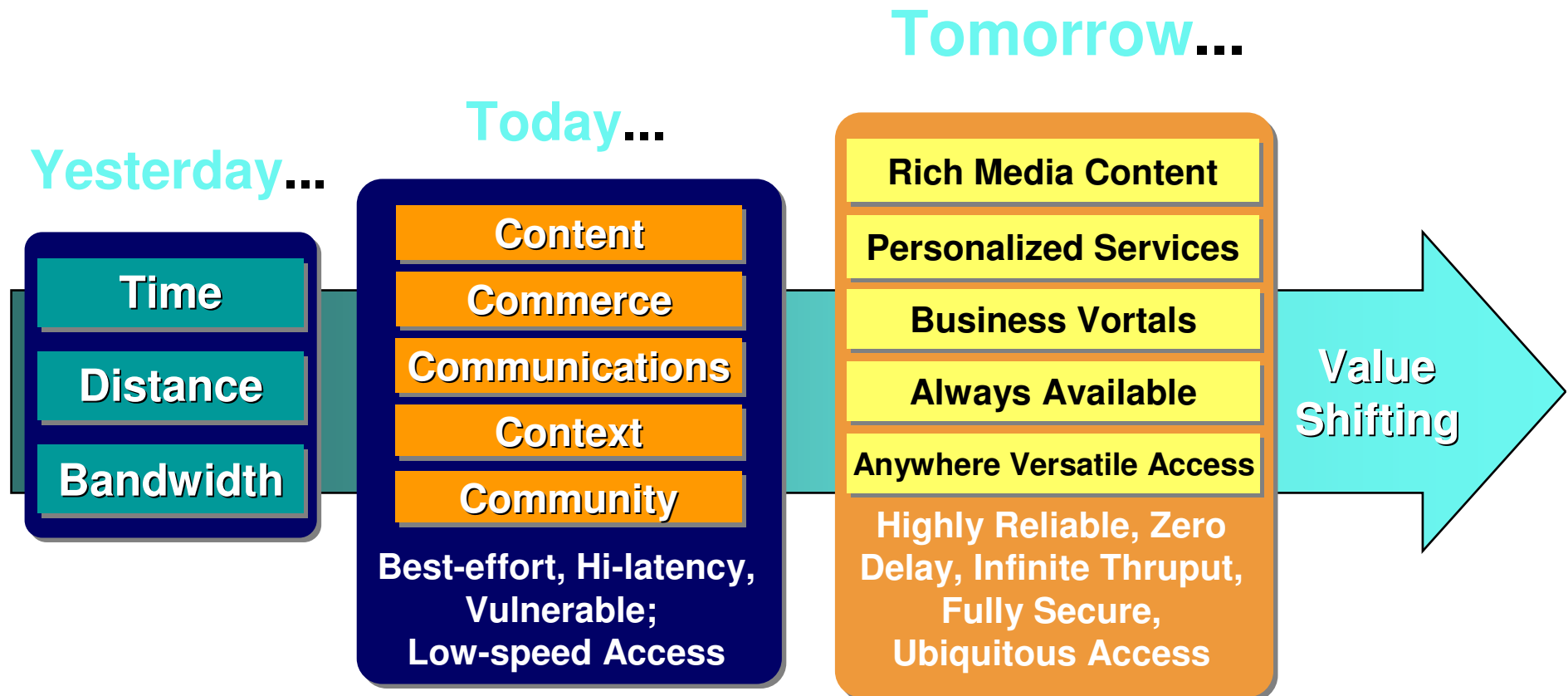


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Bell Labs Innovations



Shifting the Value of Communication Services



Mobility Services Roadmap



	Available Today (Phase 1)	2002 (Phase 2)	2003+ (Phase 3)
Services	<ul style="list-style-type: none"> High-capacity voice Smartphone/ PDA WWW Access Short Message Service (SMS) E-Mail Unified Messaging Location Services VPN Services 	<ul style="list-style-type: none"> High-capacity voice Palm/ Lap-top WWW Access MP3/ Video Download Advanced Location Services Advanced Info & Gaming Services Enterprise VPN Wireless WAN/ 802.11 Integration 	<ul style="list-style-type: none"> Higher-capacity voice Interactive WWW Access Multi-Media Messaging Streaming Audio/ Video All-IP Voice/ Data Services
Lucent Enablers	<ul style="list-style-type: none"> 2G Mobile Voice <i>CDMA, TDMA, GSM</i> 2G Low-Speed Data <i>CDMA/ GSM-GPRS</i> 3G Voice/ High-Speed Data <i>cdma2000 1X</i> Flexent Base Stations 5ESS MSC Springtide 5000/ 7000 IPSS Advantage eCS Navis Radius 	<ul style="list-style-type: none"> 3G High-Speed Data <i>cdma2000 1x-EV-DO</i> 3G High-Speed Data/ Voice <i>UMTS</i> Flexent OneBTS Flexent RNC and EV-DO Controller Softswitch-based MSC SpringTide 7000 Wireless IPSS MiLife Mediation Gateway and Software Developers Kit Packet IN Application Hosting Env. Super D-HLR Navis Provisioning 	<ul style="list-style-type: none"> 3G+ Voice/ Higher-Speed Data <i>cdma2000 1x-EV-DV</i> <i>UMTS HSDPA</i> Advanced Intelligent Antennas All-IP Network Core ATM/ IP/ Optical Backhaul Navis iOperation

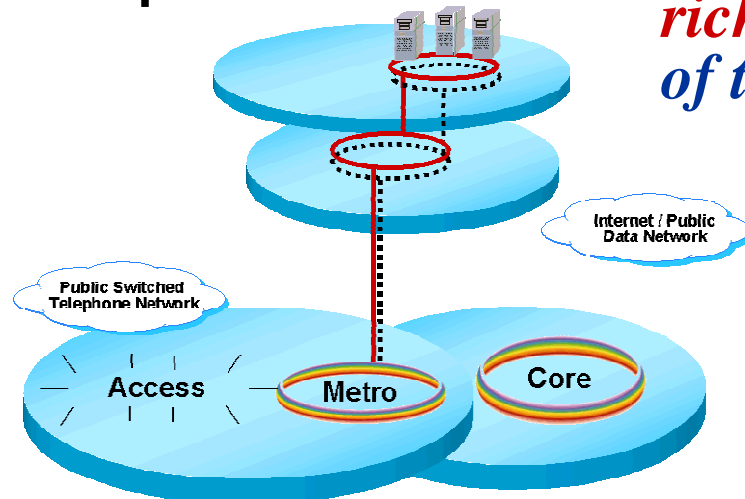
Key Criteria for Market Success of new services

- ease-of-use to end-user
- different types of terminals
- open interfaces
- **efficient service creation**
- early prototyping
- field test of market acceptance
- clear business ownership

A Network Vision Of Service Intelligence

A growth platform for driving new revenues while reducing complexity and cost

- Service-ready
- Rapid, seamless provisioning
- Self-care
- Lowest cost-per-bit

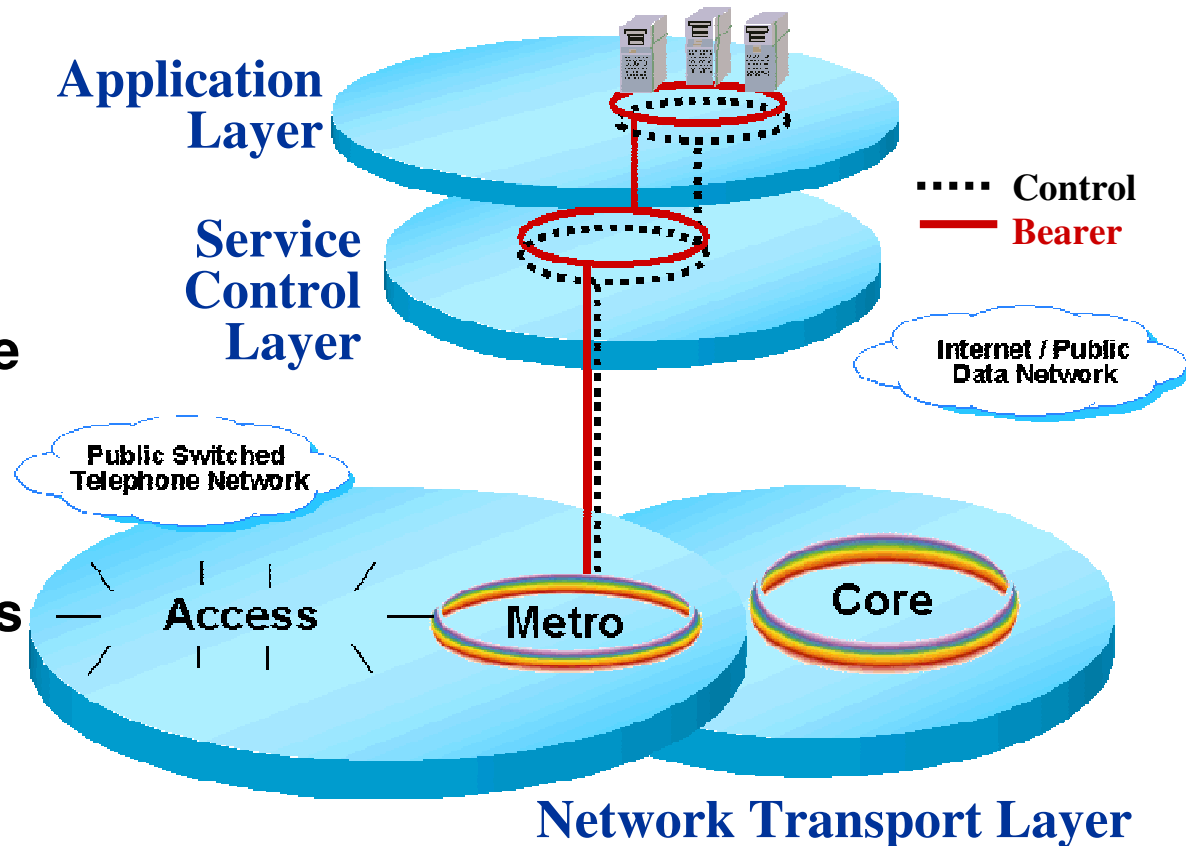


*Providing the **service richness** of the Internet...*

*...and the **service reliability** of classic voice networks*

Service Intelligent Architecture

- Intelligence at every layer of the network
- Open interfaces
- Open, programmable service creation
- Automatic and dynamic allocation of network resources
- Highly reliable and scalable network elements
- Simpler network operations



Mobility Portfolio: Service Control And Application Platforms

**RECENTLY
UPGRADED**

MiLife™ Mobile Internet

Platforms for rapid, easy introduction of personalized, revenue-generating mobile services

**New In
2002**

SuperHLR

Authenticates, manages profiles and Internet addresses for mobile users

Mobile Switching Center

(5ESS, Softswitch)

Enables integrated voice/data services



5ESS



Softswitch

SpringTide IPSS

**RECENTLY
ANNOUNCED**

Packet Data Gateways

Leverages strength of enterprise data services offering for mobile users

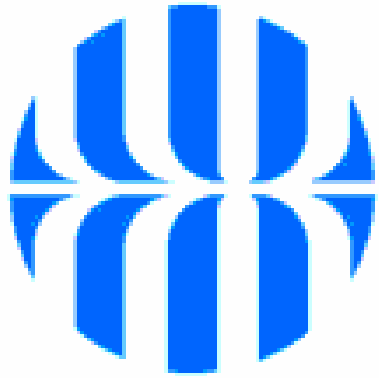


Metro



Core

The '10-minute experience' will allow end-users to provision their own high speed services in 10 minutes or less



Summary Statement from an infrastructure point of view:

A network vision of service intelligence at every layer, delivering service richness of the Internet with reliability of classic voice networks, is key to create profitable services

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