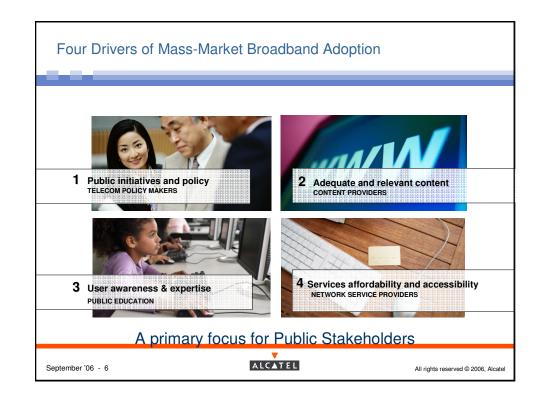




Entry Users: Service Providers Must Increase Voice & Data Penetration Growth in mobile penetration at risk to decelerate: - saturation of current target segment - need new value proposition to address underserved Two barriers to overcome for Service Providers - Affordability: meet the needs of lower-income users, without cannibalizing the existing customer base - Accessibility: increase coverage in a cost-effective way Need innovation for new momentum



Internet Users: Service Providers' Key Role in Enabling Mass-Market Broadband

BROADBAND PENETRATION





Broadband still at early adopter stage:

- Prices in high-growth economies> mature markets
- - Need critical user mass for scale & content

Two barriers to overcome:

- **Affordability:** increase PC penetration and deliver new affordable entry packages
- Accessibility: leverage wireless broadband to expand footprint beyond copper

Need to leapfrog to mass-market Wireless broadband opens the game

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Advanced Broadband Users: Need to Deliver a User-Centric Communication Experience



Growing competition to attract and retain advanced users:

Consumers and Businesses High disposable income High awareness @ desire for the hottest services

Delivering a user-centric communication experience enables to differentiate:

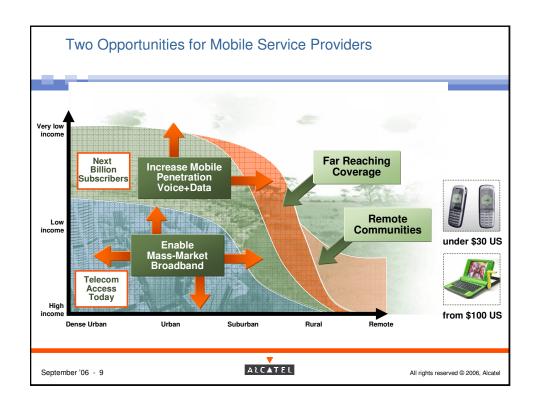
Services agility to quickly exploit opportunities Services must be blended, not bundled Services personalization is key to success

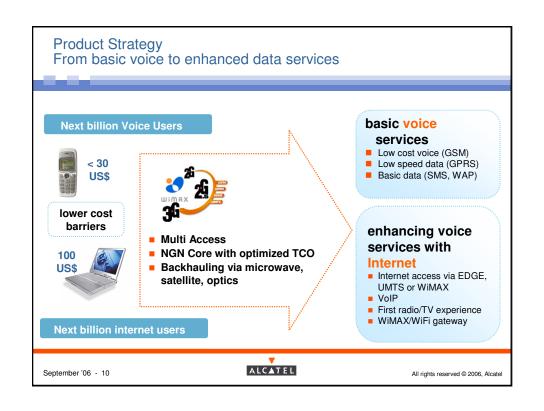
Need to leapfrog to the most advanced service creation and intelligent delivery

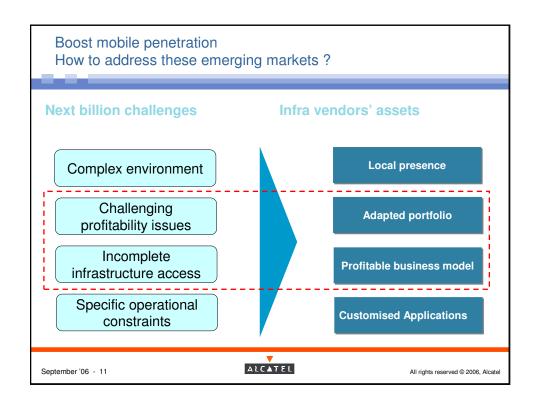
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Deploying 3G/HSDPA at Lowest Costs (CAPEX & OPEX) Key Customer Issues to address low-ARPU segment

Reduce the cost of the radio infrastructure to fit the targeted ~5\$ ARPU

- ✓ Optimized CAPEX & OPEX to boost profitability
- ✓ Adapt the infrastructure to environmental conditions
 - > compatible with harsh environment
 - > very simple to deploy and operate
- ✓ Deploy the infrastructure matching exactly the needs of the targeted population

Low-ARPU regions deserves a low-ARPU range of radio access equipment

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