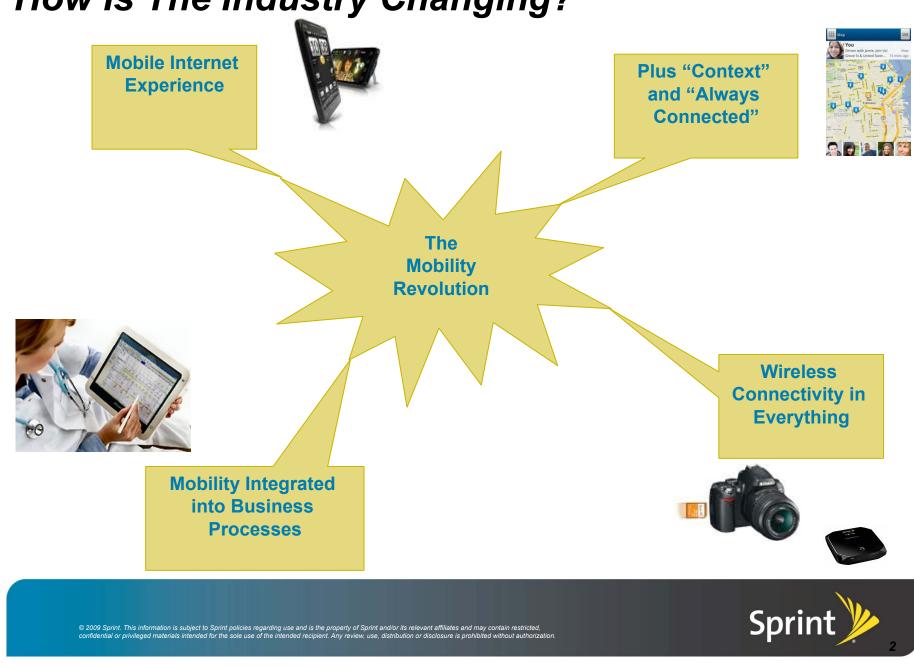


The Mobile Data Evolution Bob Azzi, SVP Network

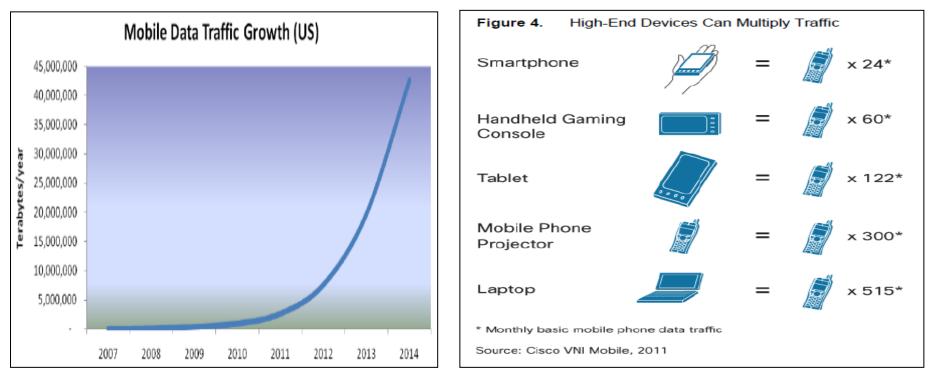
June 14, 2011

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How Is The Industry Changing?

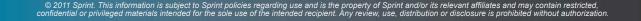
Demand for mobile data is growing exponentially ...



Source: Chetan Sharma Consulting, 2010

... and satisfying that demand requires a key building block: Spectrum

Sprint envisioned this unprecedented traffic growth outlook 4 years ago and began investing billions in an advanced mobile broadband platform.



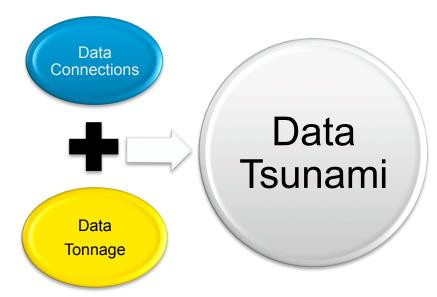


3

Data Usage is made up of two factors: The number of connections that applications make to the network and the amount of data that the applications transmit across the network

Data connections drive network contention which shows up as latency and slower per user data rates

Data tonnage occupies network resources for the time necessary for the data to be transported and drives demand for additional capacity on the network





Spr

Sprint's Network Vision

Key Plan Elements

- Replacement of multiple platforms with a single multi-modal platform
- Integrated chipset on devices
- Technology advancements improve overall performance of radio signals
- Optimization of vast spectrum holdings
- Move from hardware solutions to software solutions
- Integral support for next generation Push-To-Talk network

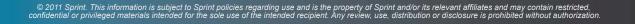


Customer Benefits

- Expected improvement in coverage and capacity
- Simplicity
- Rapid network deployment and coverage expansion

Sprint Benefits

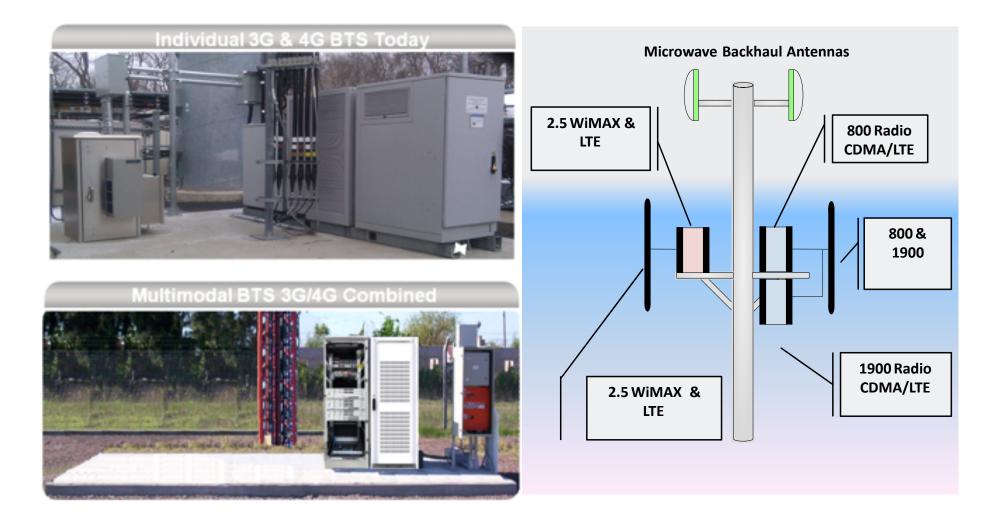
- Lower cost for Sprint
- Improved operational efficiency and reliability
- Future technology protection
- Environmental sustainability





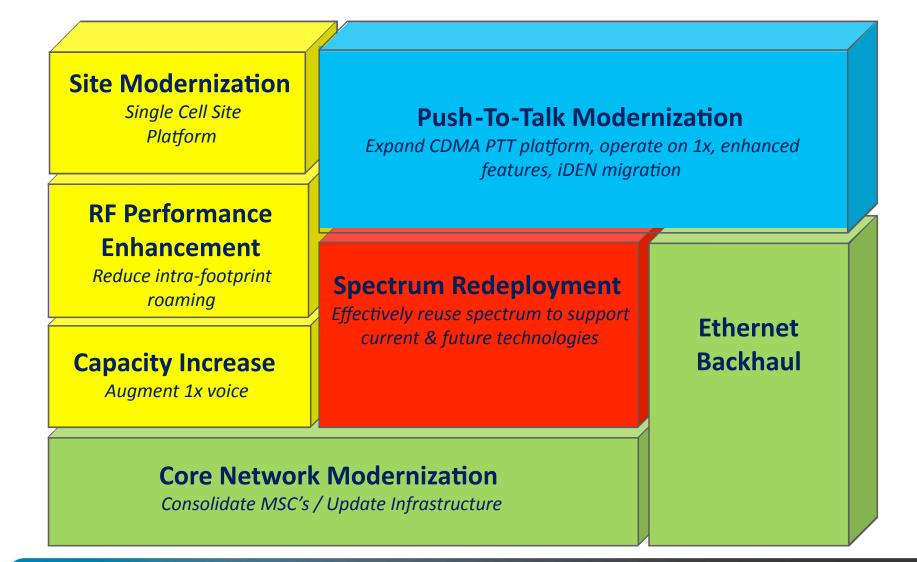
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Network Vision – Multimodal Site Strategy





Network Vision – Building Blocks to Evolution

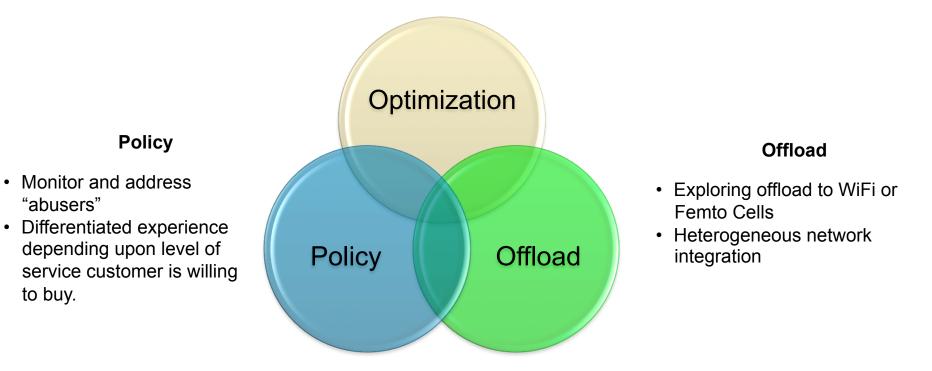




Holistically Addressing Data Usage

Optimization

- Video Optimization, Compression, Optimization
- Sophisticated approach to bandwidth to provide device and app-specific experience





8

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Increased mobility brings increased risk

Protecting information, inbound and outbound

Security and the mobile data evolution over the next 5 years

Increased risk

- Phishing is primarily occurring via email today in the future, more will occur via SMS (SMiShing) and QR or barcodes with the "open/read rates" for text messaging at 95% vs. email at 50%
- The evolution of malware from PCs to mobile devices
- The rate/reach and damage of worm infection is increasing
- With increased mobile banking comes higher theft

2001	CodeRed infected 250K hosts	Over three days
2003	Slammer infected 100K hosts	Within 10 minutes
2010	Academic worms are designed to infect 1M hosts	Within .5 seconds
2011	Google removed infected apps from about 260,000 Android phones (Droid Dream)	Less than 1 day (zero day attack)

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Increased mobility brings increased risk

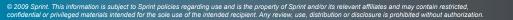
Protecting information, inbound and outbound

Potential opportunity

- Increased privacy and protection
 - Segregate storage and access of personal and company data
 - Segregate private/confidential information
- PC protections will become mainstream on mobile devices
 - Anti-virus software
 - Personal firewall
 - Anti-malware software

"Self healing" mobile operating systems to include the availability of immediate patch deployment for worms/viruses
Utilize biometrics (fingerprint identification, voice identifier, retina scan) for power-on

User/Network based profiles







Q & A

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