



Communications Industry Trends and Verizon Advanced Network Services

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Verizon

Major Paradigm Shifts Redefine Telecom Market



- **The Wireless Paradigm**
- **The IP Paradigm**
- **The Broadband Paradigm**

The World Has Changed



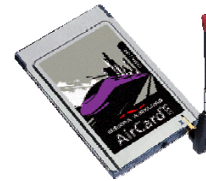
From...

- Wireline
- Narrowband
- Voice-centric
- Circuit-switched
- Copper infrastructure
- Proprietary architecture
- Traditional Regulation

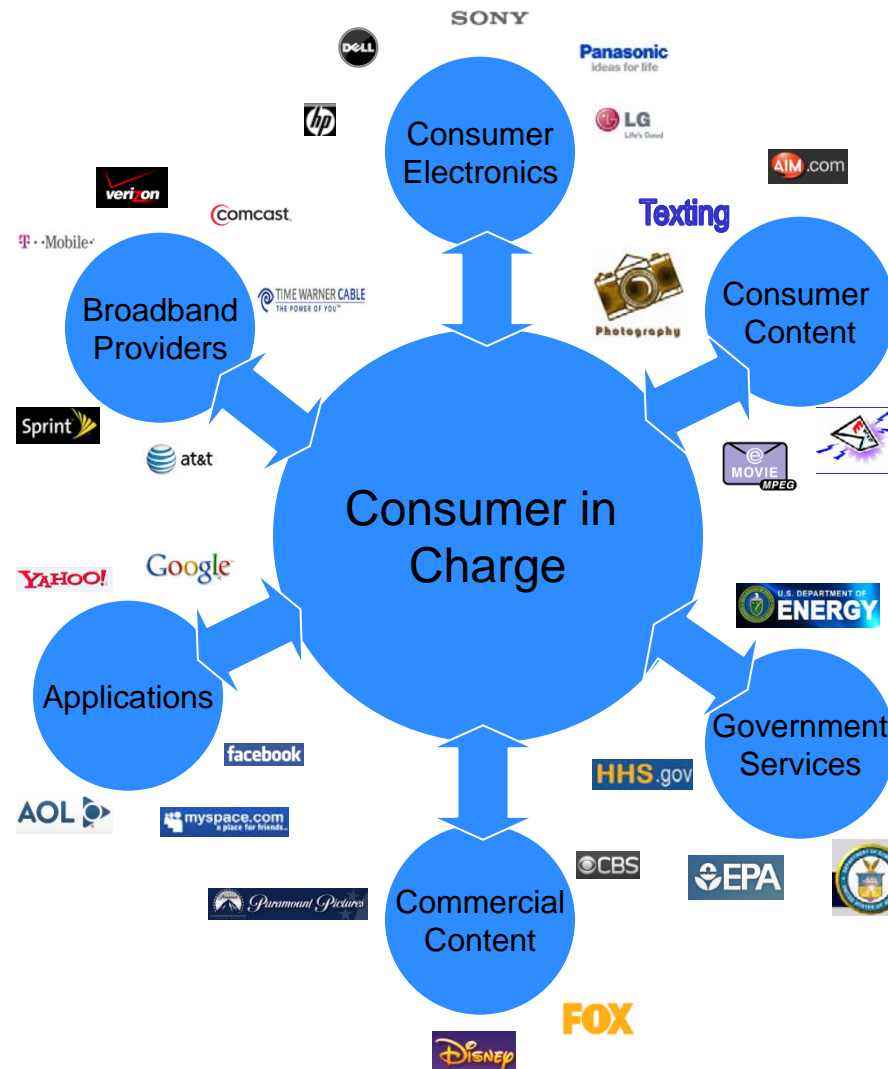


To...

- Mobile and Converged
- Broadband
- Multi-media
- Packetized
- Optical Infrastructure
- Open architecture
- Market-based regulation



The World Has Changed



Messaging

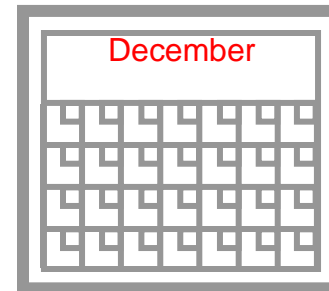


**>1 Billion
Messages**

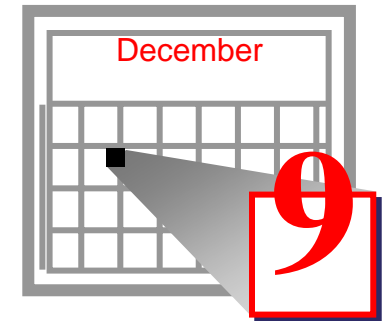
2002



2004



2008



Ubiquitous Broadband



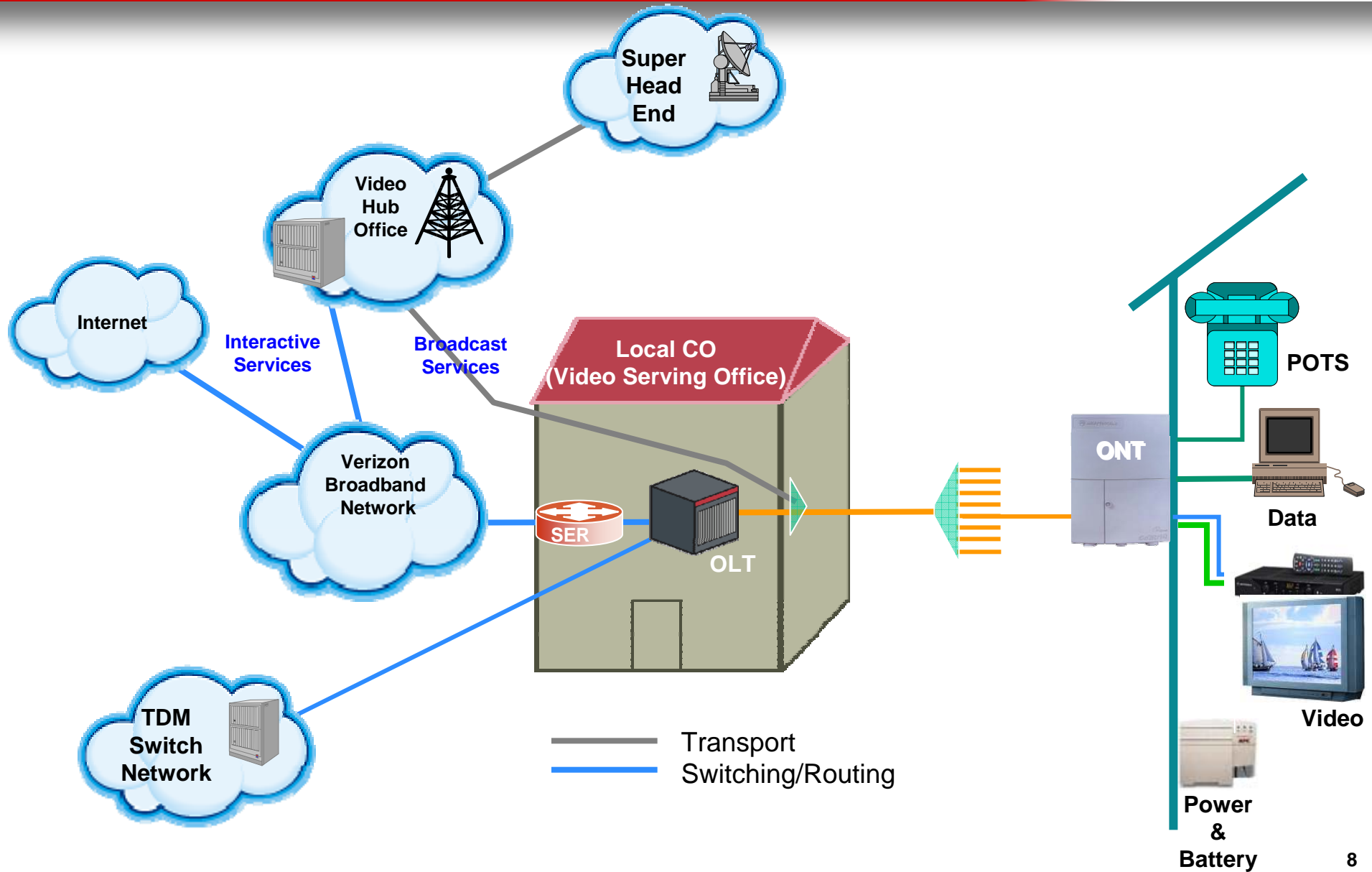
Verizon's Next Generation Network Plans



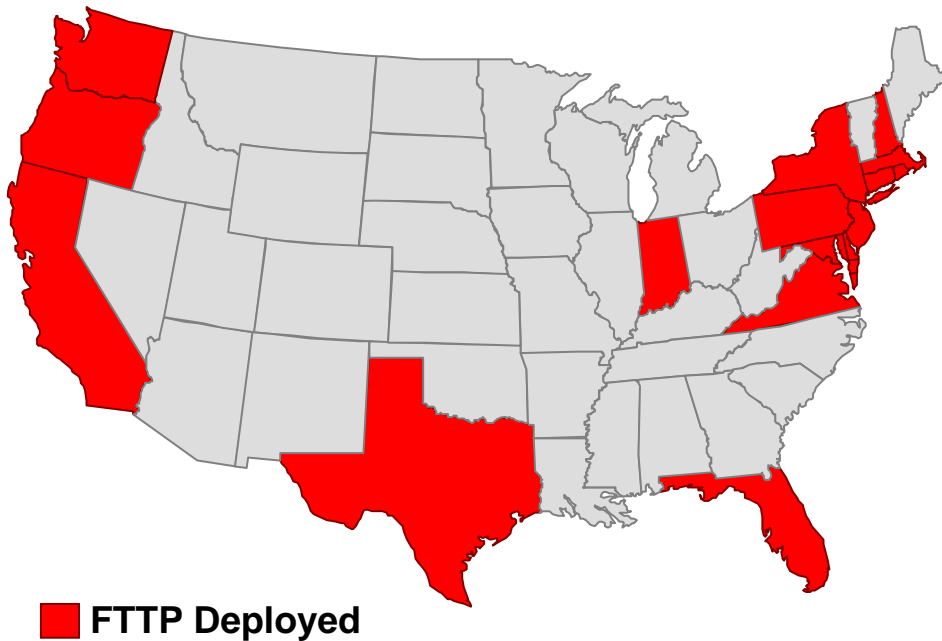
- **Verizon's NGN Access – FiOS**
- **Verizon's Wireless NGN Access**
- **Verizon's NGN Core**

**Verizon is now deploying GPON.
Capable of delivering: 2.4Gbps downstream / 1.2Gbps upstream**

FTTP - FiOS Architecture



Fiber Deployment Status



2008 Deployment:

- Over 12.7M premises passed in 17 states
- 10M premises open for sale

2010 Deployment Objectives

- Pass 18M premises by 2010
- 50% of households in footprint

Fiber Deployment on Track

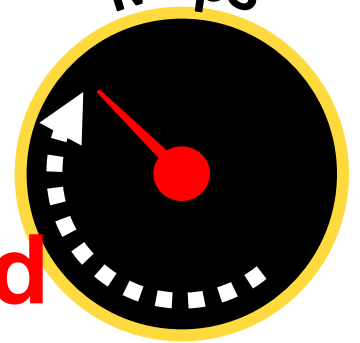
4G to the End User



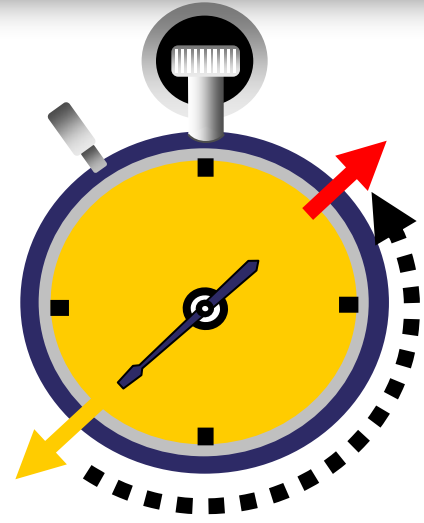
Download Mbps



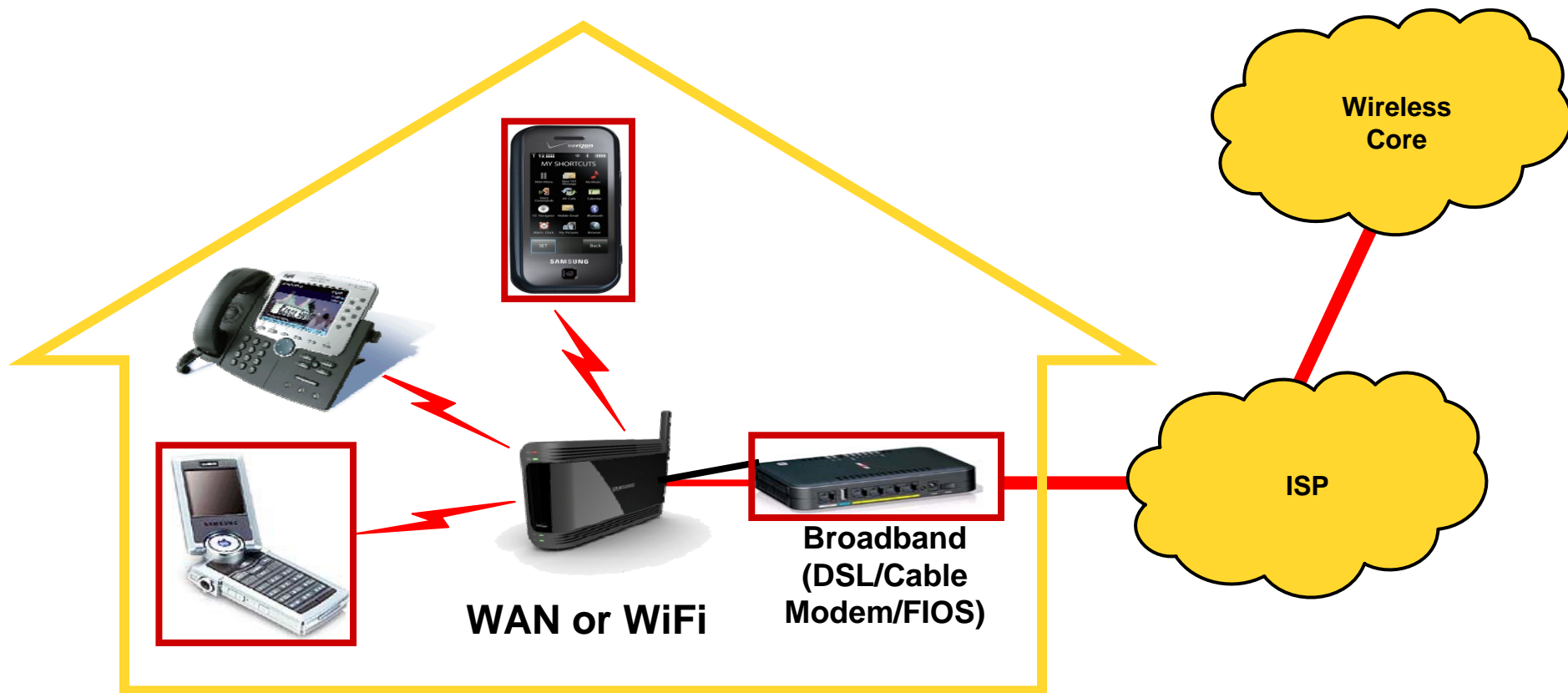
Upload Mbps



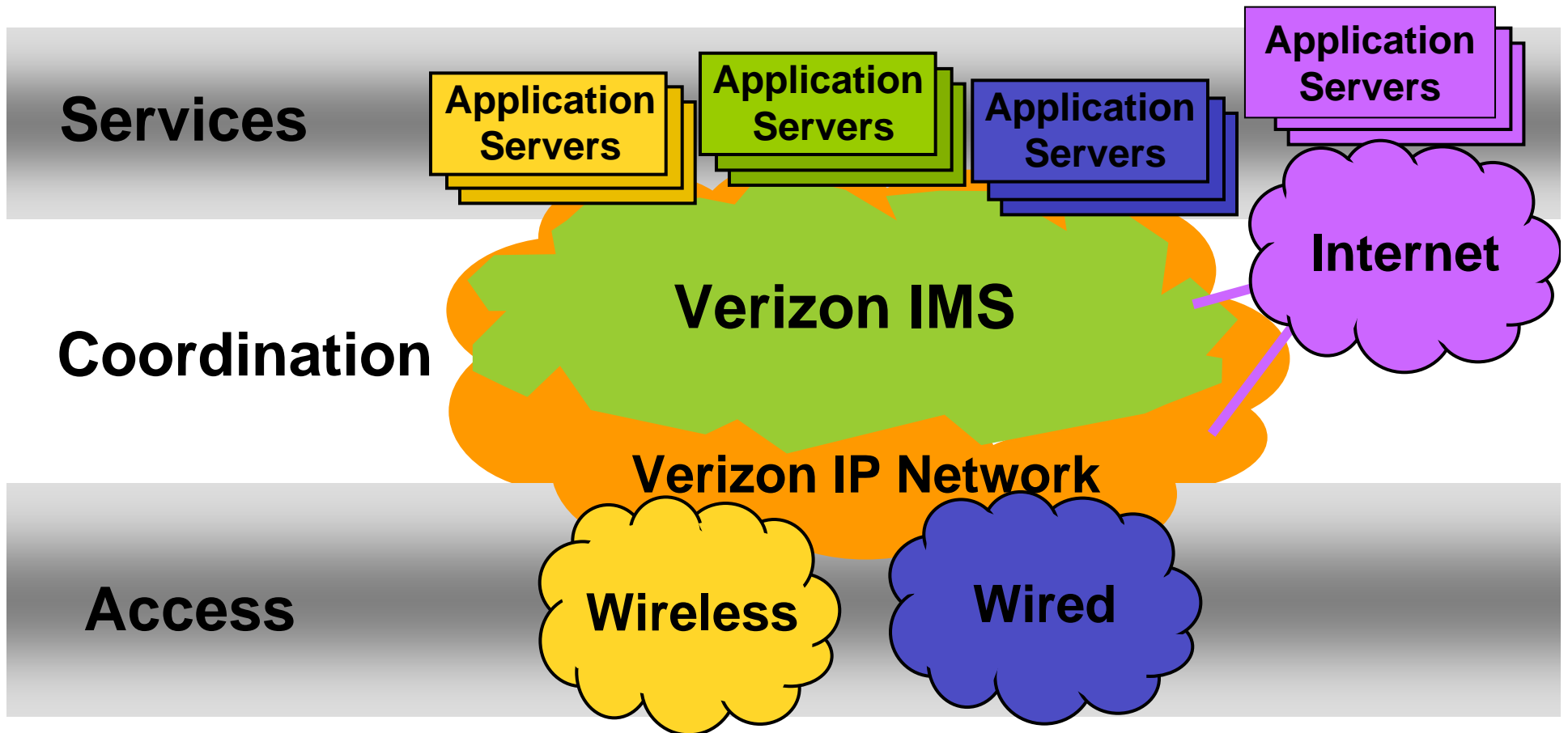
ms



In-Home Solutions

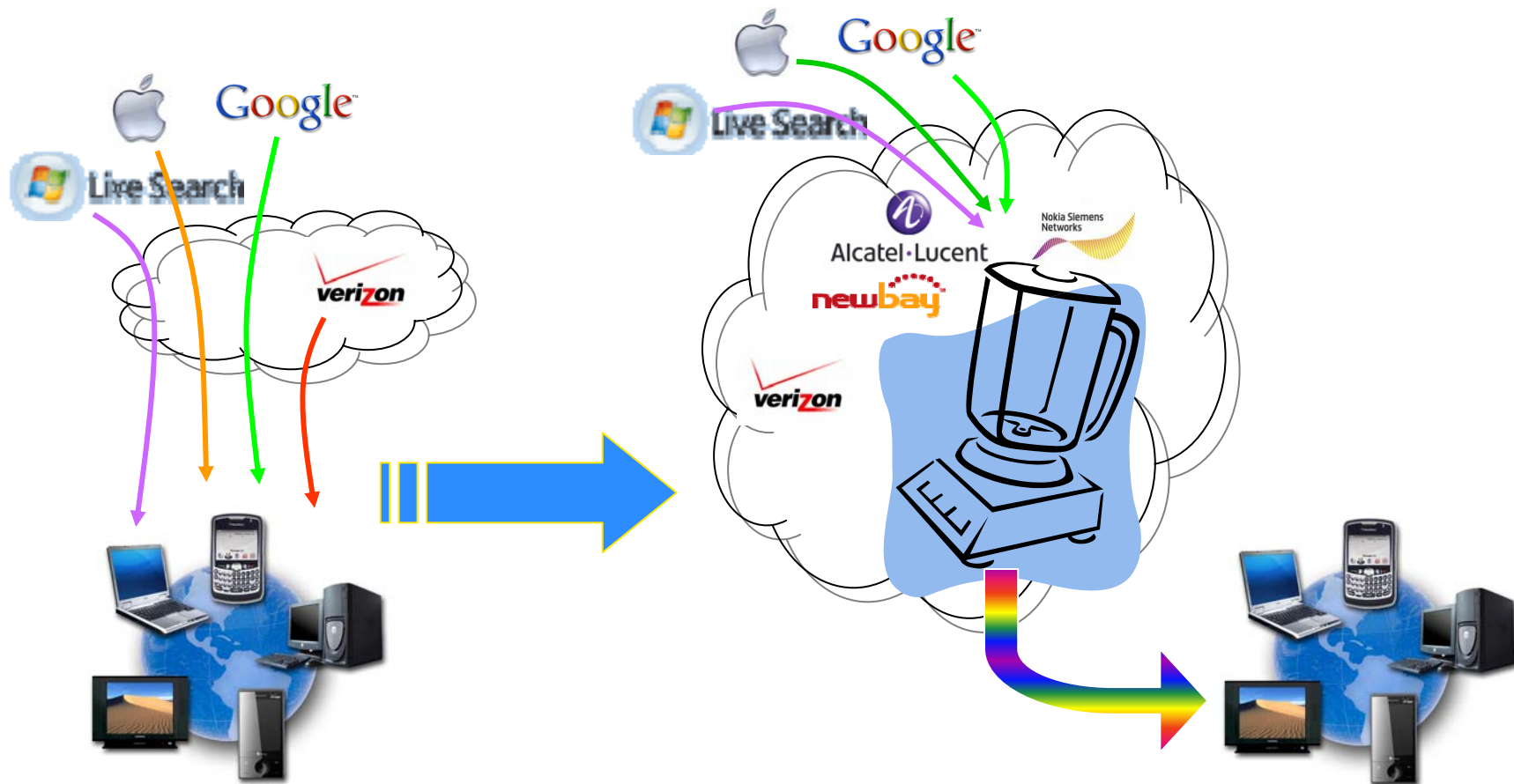


New Communications Core



A New Communications Paradigm

verizon



Smart Devices Assisted by an Intelligent Network

Open Development Eco-System

verizon



Verizon provides the 3-screen experience



VIDEO



BROADBAND

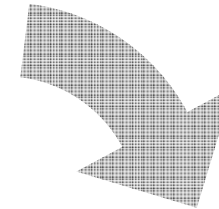
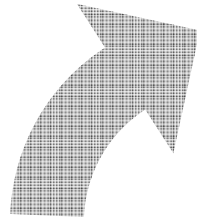


WIRELESS

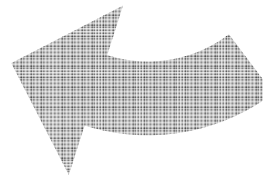


We enable convergence across 3 screens

verizon



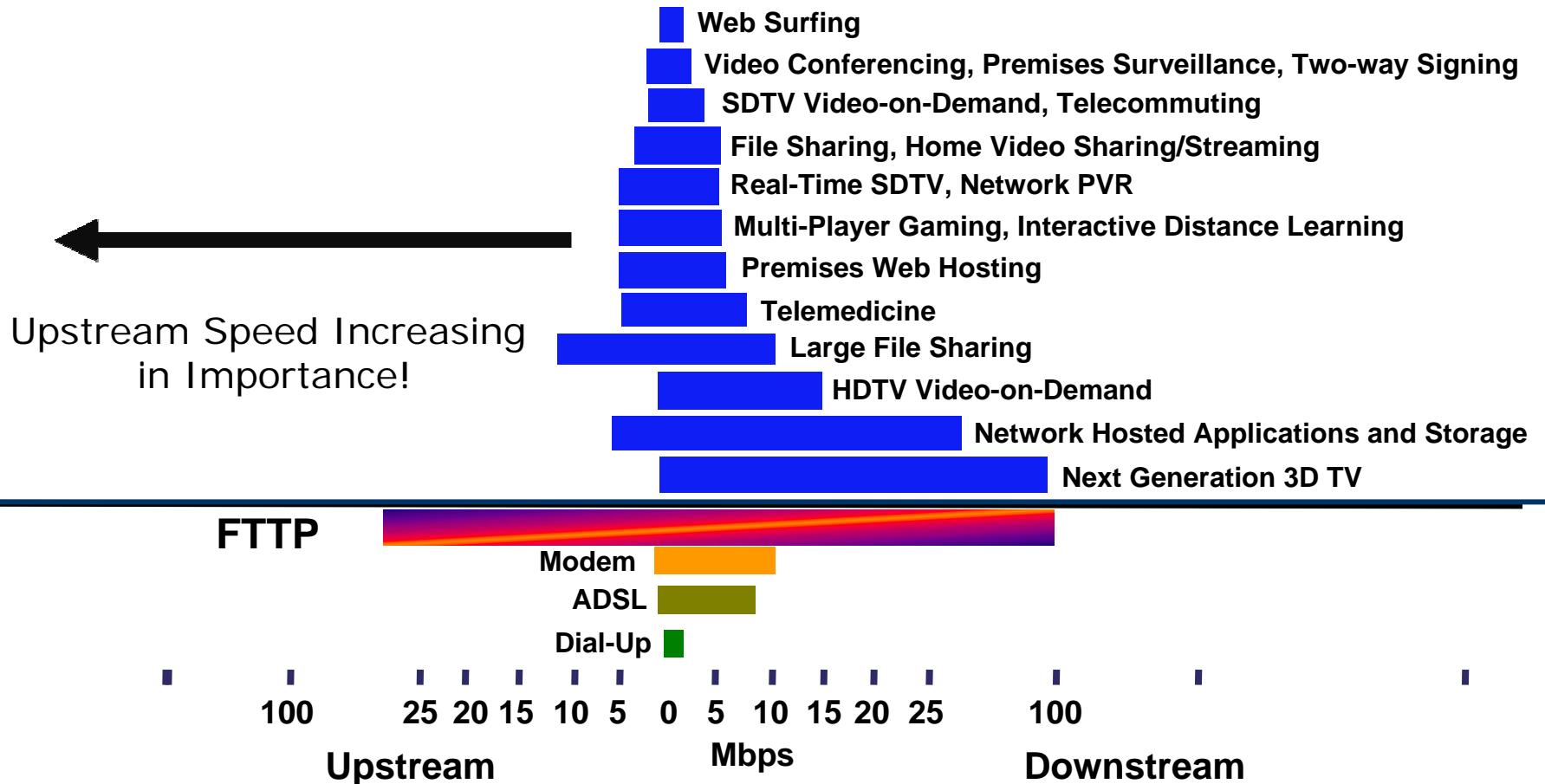
**ON DEMAND
INTERACTIVE PORTAL
E-COMMERCE
LINKED PROMOTIONS
ADVERTISING**



Transforming Interaction



Applications and Media Bandwidth



Platform for current and future content and applications