Framtidens Enterprise

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VPN Gateway

SSL / IPSec termination

**Core
Router / Switch
Modular**

ERS 8600

**Secure Network
Access**

User/Application
Access Control

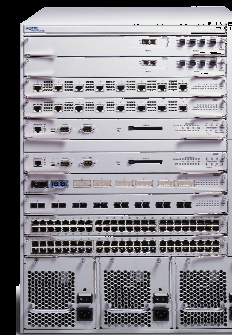**Threat Protection
System**

Defense Center
&
Intrusion Sensor

**WLAN
equipment**

Wireless Security Switch
&
Location System

**Resilient
10/100/1000/10000
Route / Switches**

ERS 5510 / 5520 / 5530

2

Delivering Availability
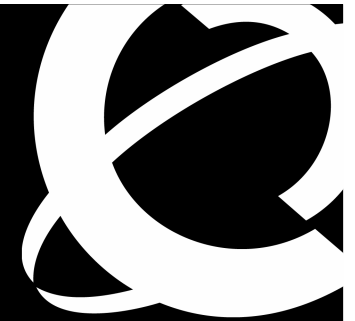
RELIABILITY	REDUNDANCY

Nortel Converged Networking
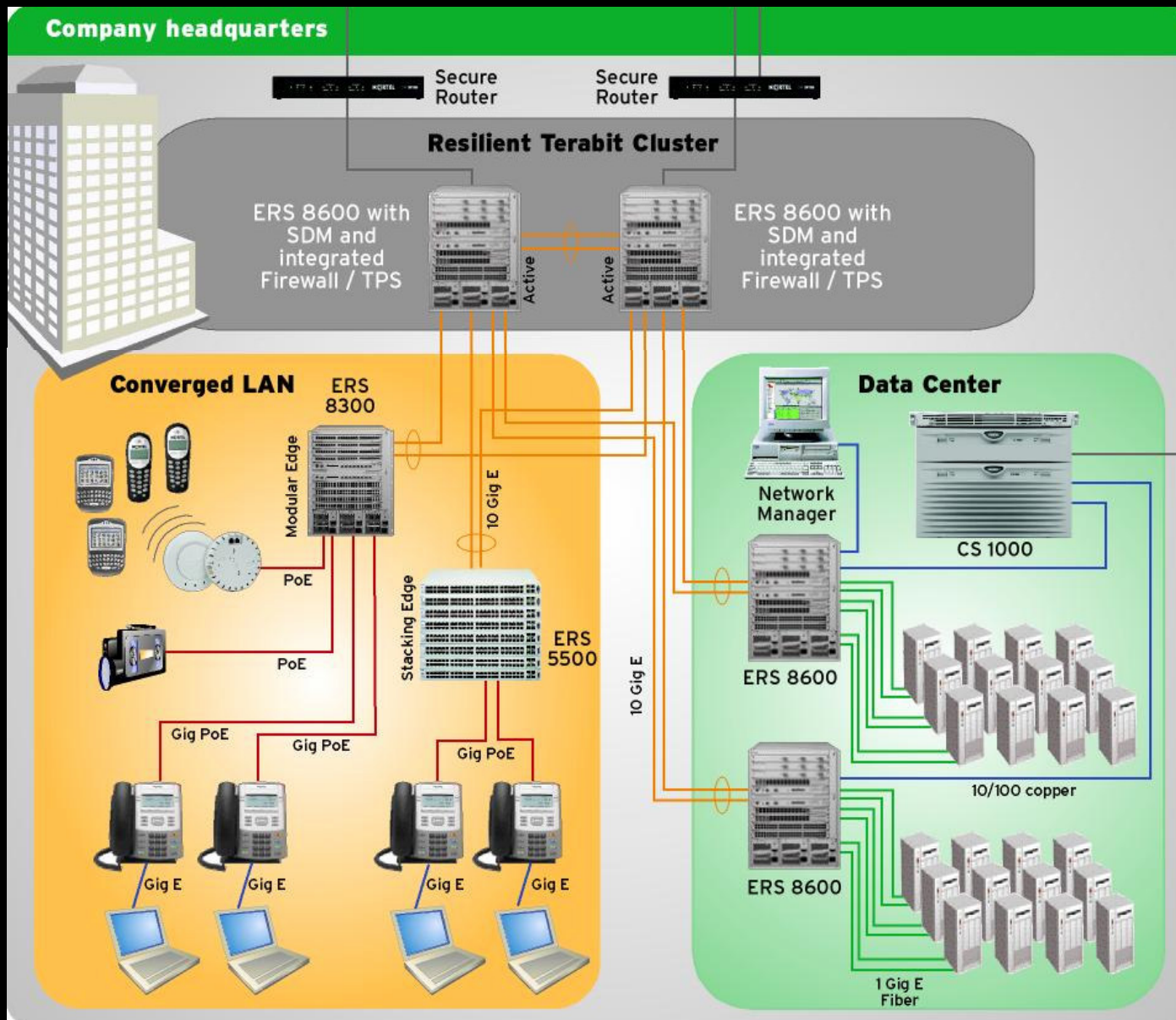
Market leading recovery times !

RSTP vs. SMLT - Failover Time (sec) Comparison
As reported by Spirent SmartFlow 4.60

Link failure:
- Nortel: 0.47
- Cisco: 1.713
- HP: 3.081

Switch failure:
- Nortel: 0.469
- Cisco: 3.674
- HP: 4.92

Legend:
- Nortel Ethernet Routing solution
- Cisco Catalyst solution
- HP ProCurve solution
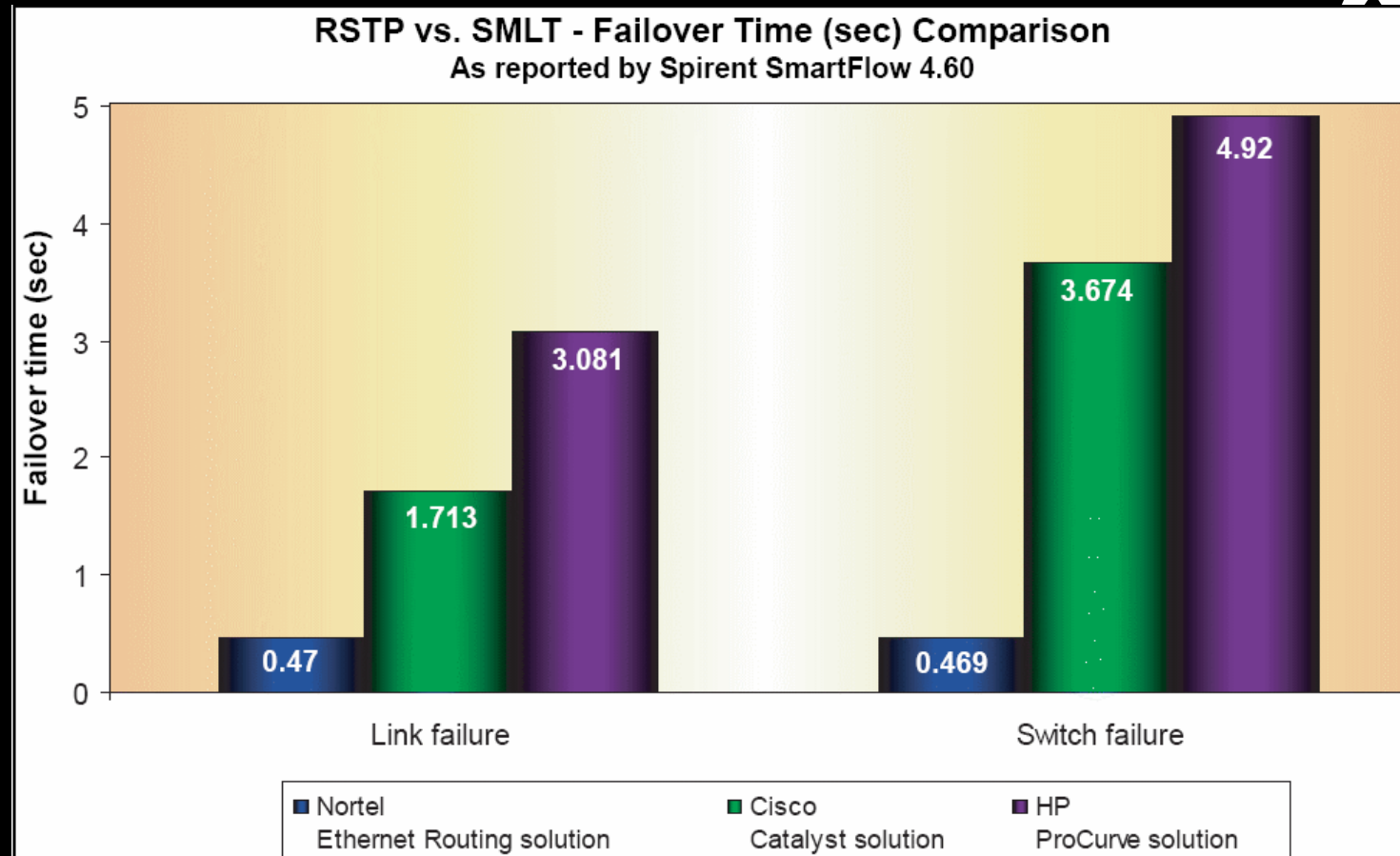
Note: Number of CLI commands only considers commands necessary to configure RSTP or SMLT using two access switches and two core switches.

Nortel Ethernet Routing Switch Solution: Consists of two Ethernet Routing Switch 5530 access switches and two Ethernet Routing 8600 core switches using SMLT for resiliency.
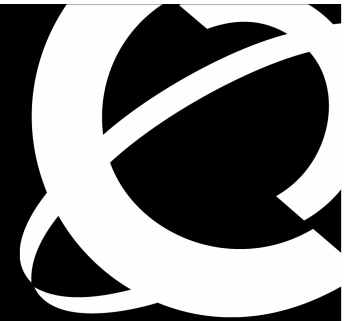
Cisco Catalyst Switch Solution: Consists of two Catalyst 3750G access switches and two Catalyst 6500 core switches using RSTP for resiliency.

HP ProCurve Switch Solution: Consists of two ProCurve 3400cl access switches and two ProCurve 9300 core switches using RSTP for resiliency
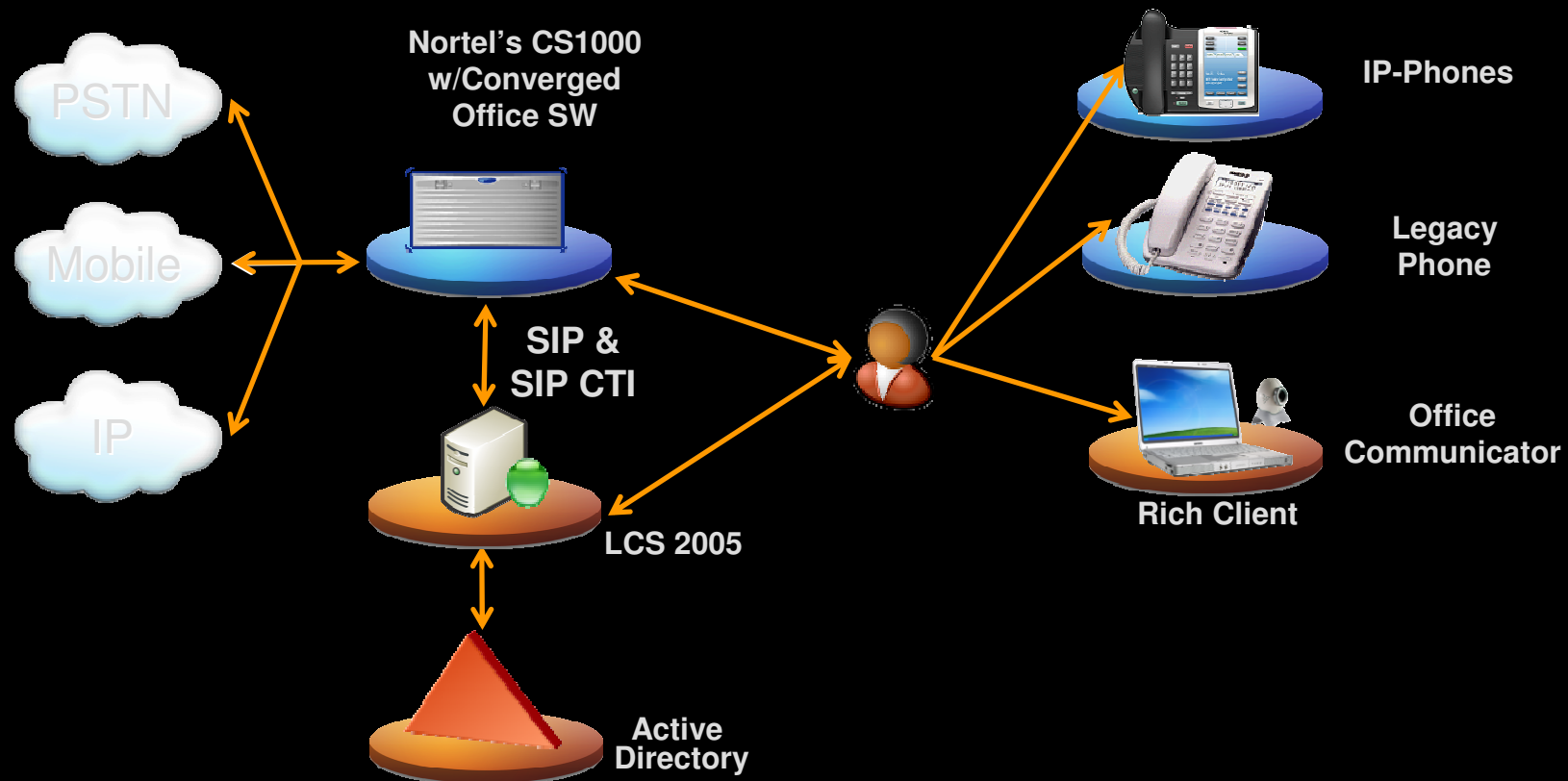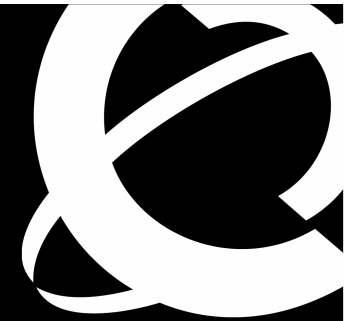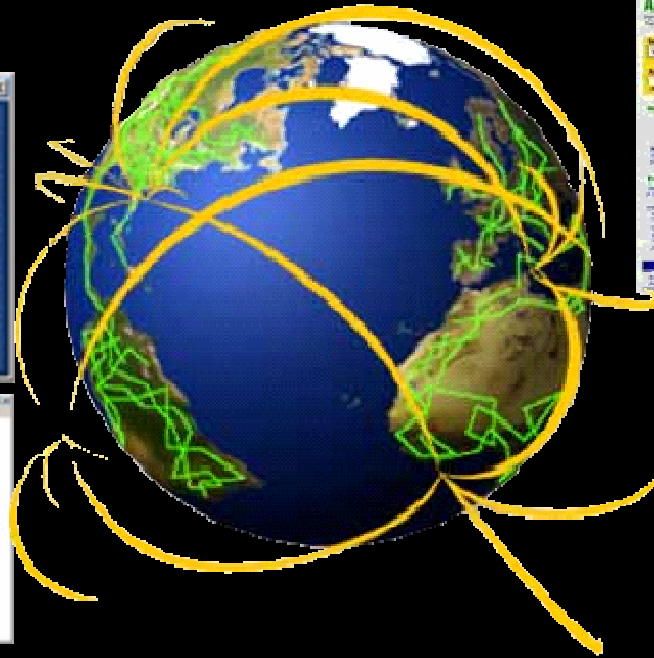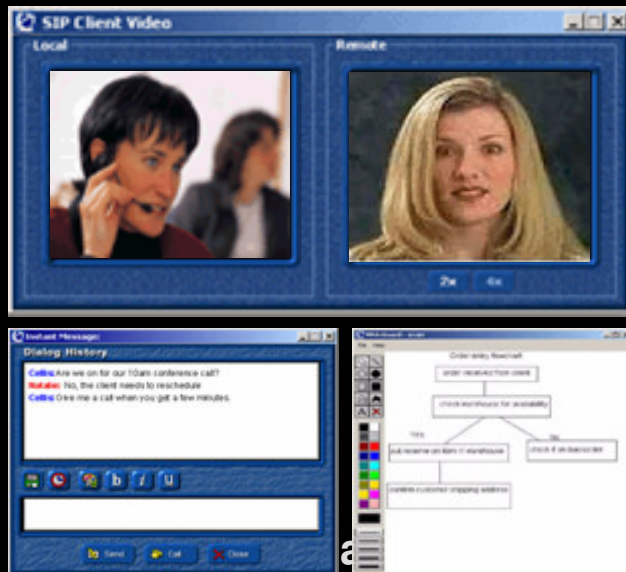
Source: The Tolly Group, September 2005

Figure 5

Multimedia Transformation

PC

Phone

Collaboration

PDA

E-mail

Blackberry

Whatever you're using

Whatever you're doing

Cellular

ERP

At Your Desk

Wherever you are

In the Air

Managed Office

On the Road

At Home

In Town

Emerging Enterprise Communication

PSTN

Mobile

IP

Nortel's CS1000 w/Converged Office SW

SIP & SIP CTI

LCS 2005

Active Directory

IP-Phones

Legacy Phone

Office Communicator

Rich Client

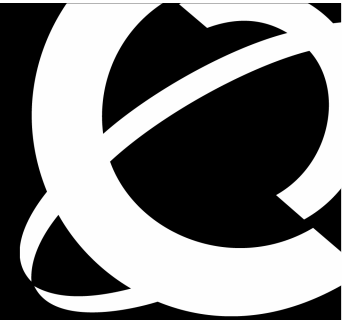# Emerging Enterprise Applications Model

Web services

Converged communications

Improved productivity and efficiency, while lowering cost
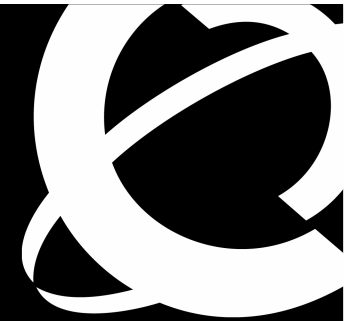
Facets of Security challenges

> Information Assurance

- Protection of data and information
- At Rest and in Flight
- Authentication/Identity
- Authorization/Entitlement
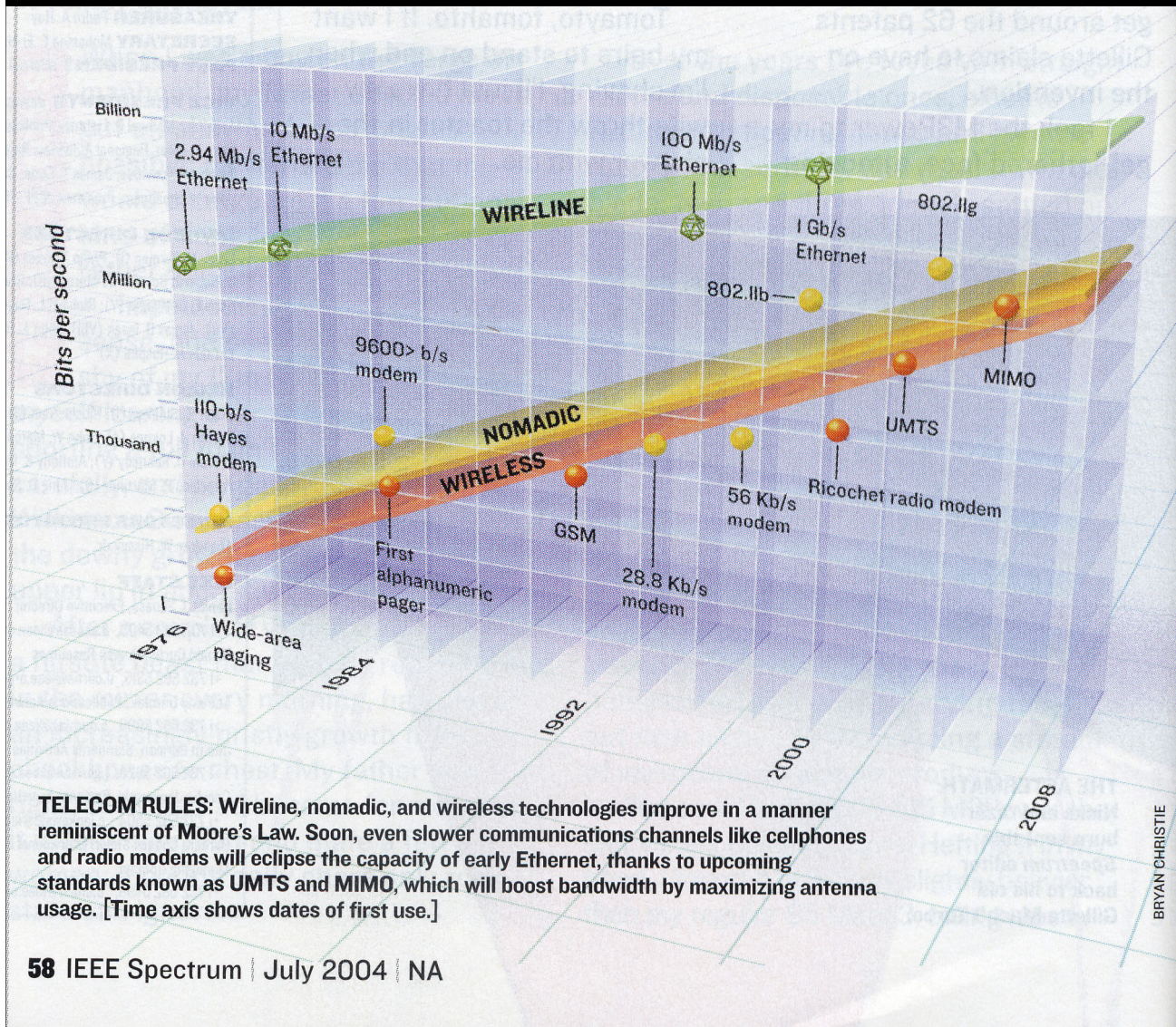- Encryption

Bandwidth growth

> **Anytime, anywhere broadband access is becoming a reality**
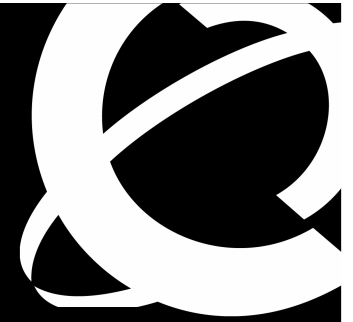> **Wireless will displace wired connectivity for many users**

Legend
Wireline: Ethernet
Nomadic: Connectivity from place to place (home, hotel, coffee shop)
Wireless: Public wireless

Enterprise Management