Accelerate™

Lucent Technologies
VoIP Strategy and Network Convergence



Morgan Stanley
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This presentation includes some forward-looking statements about our expectations for our future performance. Actual results could differ materially from those suggested by our comments today. Additional information about factors that could affect future results are addressed in our SEC filings, including our Form 10-K, 10-Q, and 8-Ks. A summary is included at the end of this presentation.

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Agenda

- Services Roadmap
- Services Architecture Requirements
- Services Architecture
- Lucent's Accelerate Portfolio

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Real Time Communication IP Services Roadmap



Expand Into Next Generation Services
- Video telephony / conferencing
- Multimedia Messaging
- Multimedia collaboration
- Multimedia content streaming
- Interactive gaming
- Organic intelligent agent services

Life Style Impacting

Converged Communication Services
- Acess agnostic wireline and wireless services
- Blended text and voice services
- Presence enabled services
- User profiles spanning multiple CPE devices
- Unified portal user interface

Service Bundles
- Convenience
- Sticky

Migrate Existing Voice Service to VoIP
- POTS / Custom Calling / AIN
- Business Services (Centrex, DID, VPN)
- Alternate Billing (800, PrePaid..)
- Voice Mail
- Conferencing

Leverage Broadband Access

- IP communication services span text, voice and video services
- A unified services architecture enables converged services

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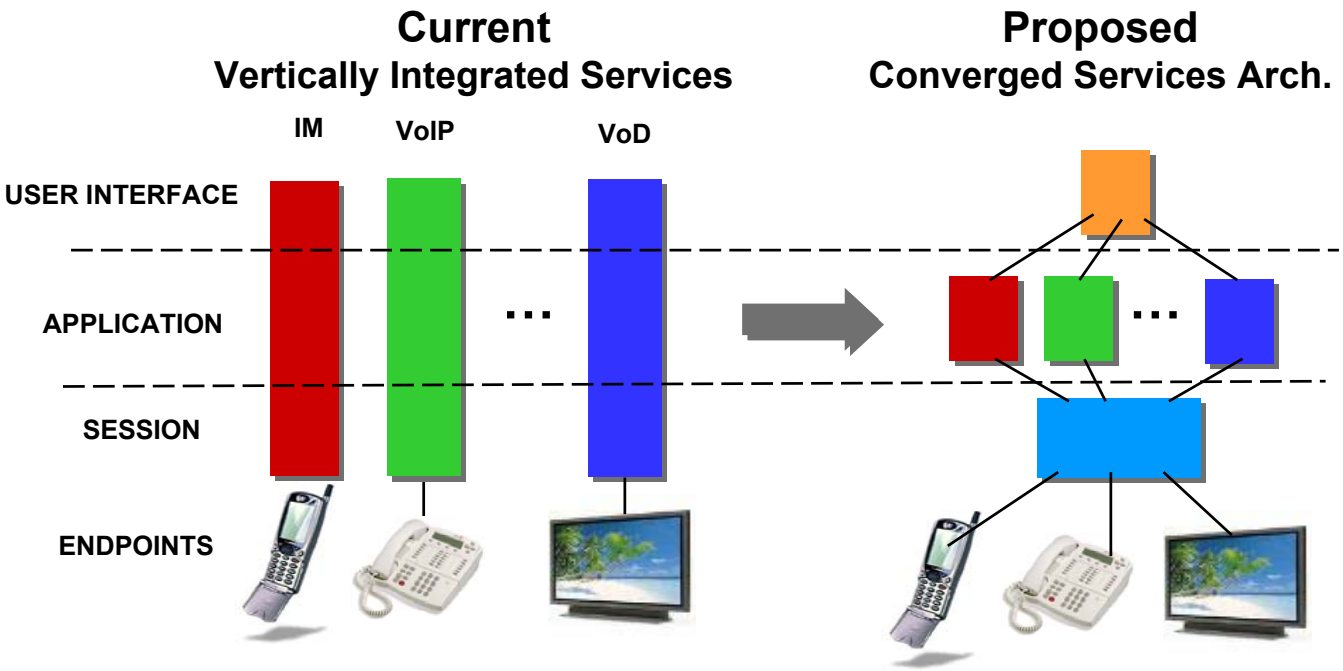
Converged Services Architecture



Convergence Opportunities

1) Networks
2) Services
3) Endpoints
4) User Interface

Convergence enables new blended services

- –Improves ease of use of multiple services (increases revenue)
- –Creates sticky service bundles (customer retention)

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Services Architecture Requirements

Guiding Principles:

- Supports multimedia services (text, voice, video)
- Open standard network interfaces (multi vendor)
- User profile shared across multiple applications
- Media servers shared across multiple applications
- Integrated user interface (portal)
- Interworking with legacy application servers (AIN, PSAP, CALEA, …)
- Open standard interfaces for enterprise applications
- Access agnostic (3G wireless, WiFi, DSL, GigE, FTTP…)
- Service brokering between application servers

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Initial Services Architecture

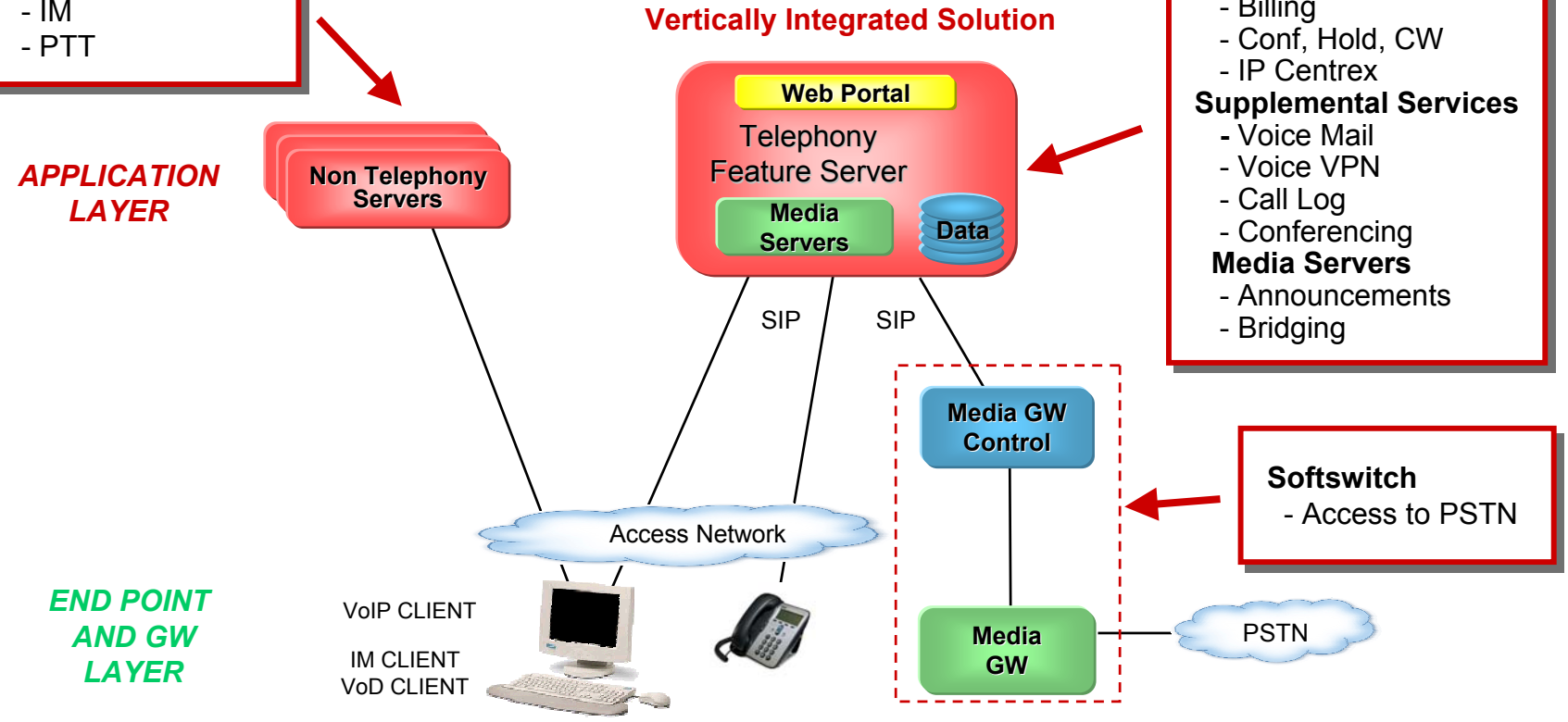
End Point Control
- Registration
- User Profile
- Web Portal

Telephony Services
- Call State
- Billing
- Conf, Hold, CW
- IP Centrex

Supplemental Services
- Voice Mail
- Voice VPN
- Call Log
- Conferencing

Media Servers
- Announcements
- Bridging

Session Servers
- IM
- PTT



- **Vertically integrated services architecture**
- **Often requires vendor specific extensions for new services**
- **Lacks support for legacy AIN services**
- **Limited service interaction or blending**

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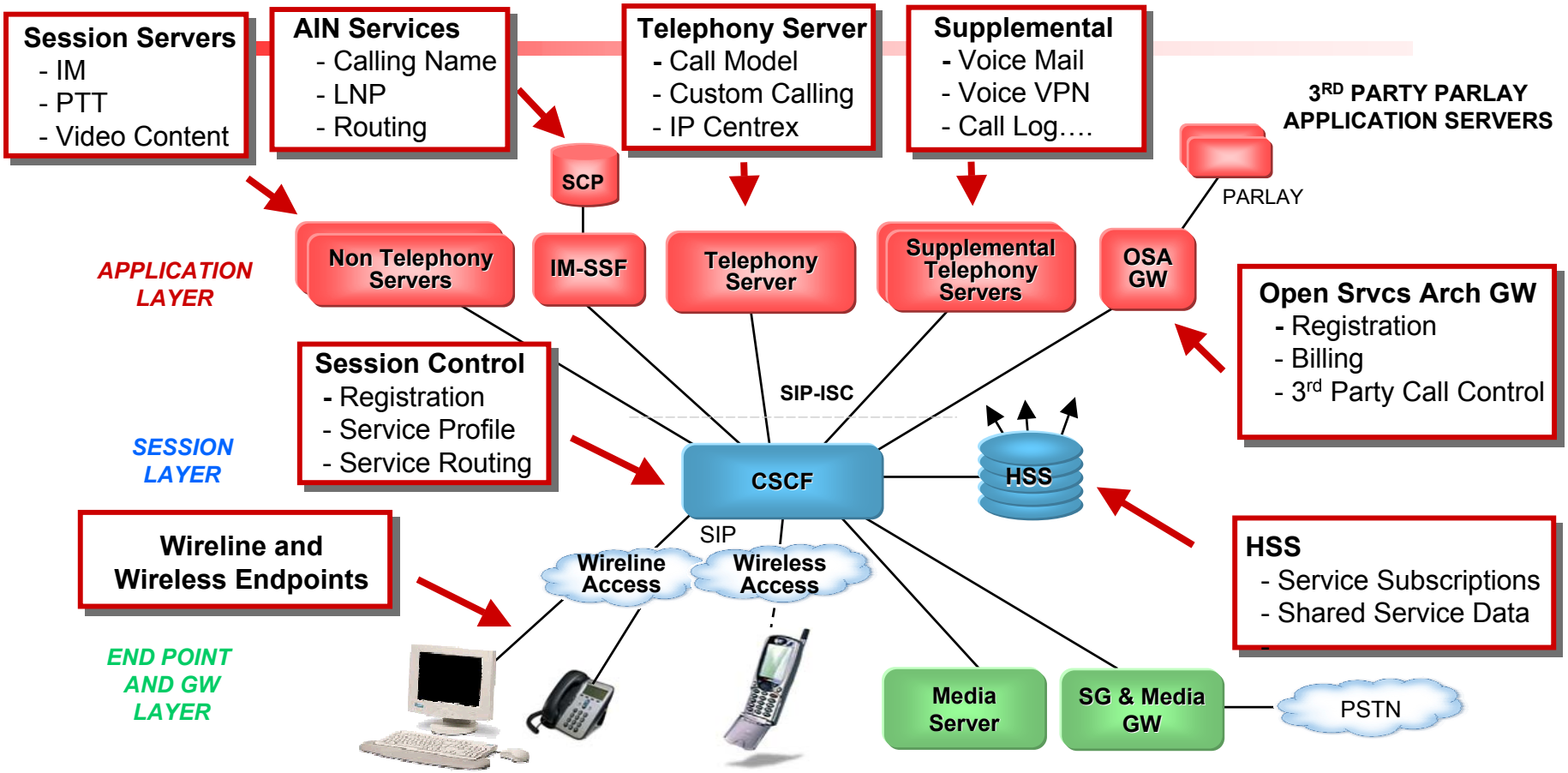
Services Architecture - 3GPP/3GPP2 IMS (simplified)



- Supports System Reference Model objectives
- Open standard interfaces based on IMS
- Service transparency across wireline and wireless access networks

IM-SSF – IP Multimedia Service Switching Function
IMS – IP Multimedia Subsystem
HSS- Home Subscriber Server
OSA-GW
SG – Signaling Gateway
CSCF – Call Session Control Function
ISC – IMS Service Control

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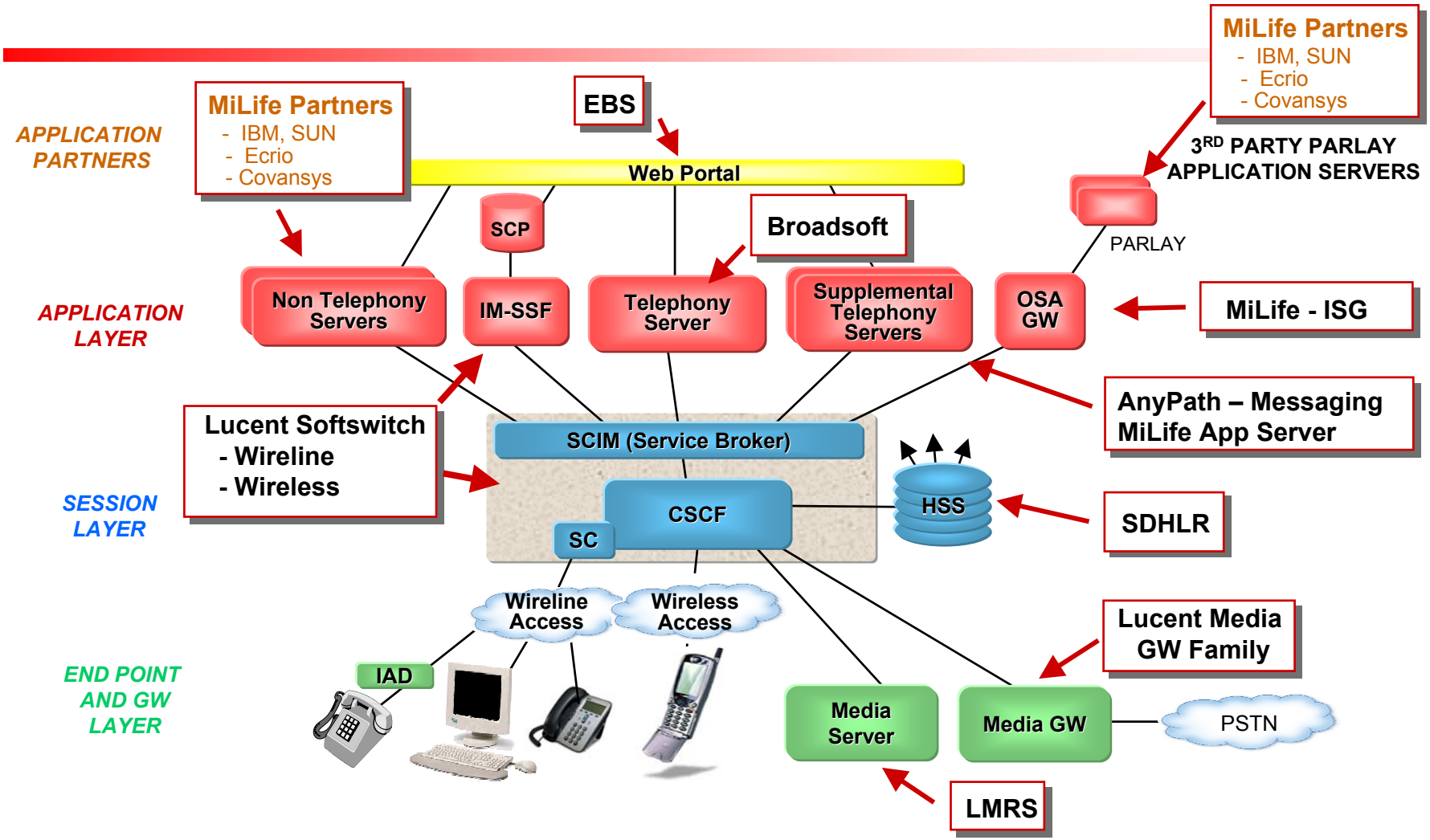
Accelerate™ Product Family and Partners



- Integrated family of products with a common services architecture
- Open standard interfaces for 3rd party products and applications
- Active partnership program with industry leaders

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Summary

- Multiple IP communications services can be converged into attractive service bundles with improved end user value
- Wireless carriers and many wireline carriers have converged on IMS as the common VOIP services architecture
- The IMS services architecture is an open industry standard that supports converged text, voice and video services
- Lucent's Accelerate portfolio of products gives carriers a highly scalable, reliable and feature rich solution and the ability to deliver the Value of services over IP

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Forward-Looking Statement Disclosure

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