



# IMS Forum

The Voice of IP Convergence

[www.imsforum.org](http://www.imsforum.org)

April / May 2006 - Vol. 01, Issue 01

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the Chairman



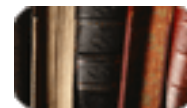
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## MESSAGE FROM THE CHAIRMAN



**Michael Khalilian**  
IMS Forum Chairman  
& President

Fellow IMS Forum Members and Friends:

I am pleased to update you on the astounding progress we have made since transitioning to the IMS Forum. In addition to welcoming the following new members, Empirix Inc., MetaSwitch, NewHeights Software Corporation, NewStep Networks, Inc., Sylanro Systems Corporation, Valid8.com, Inc., BayPackets, Inc., Cedar Point Communications, Martin Group and XConnect Global Networks Ltd., we will also be taking a leadership role in several upcoming industry events, such as GLOBALCOMM 2006, the IMS EXPO, the IMS Evolution Summit, The FierceMarkets IMS Executive Summit, CMP's Fixed Mobile Convergence Live, and CommunicAsia – just to name a few.

As you know, IMS is the means with which telcos can utilize the power of IP to offer consumers new applications and services that leverage packet communications and the Internet phenomena. Already, wireless mobile groups have initiated the basic architecture for new services utilizing multimedia, which are delivered to consumer handsets, as well as the development of IMS architecture.

With the telecom industry converging to best take advantage of the benefits, efficiencies and capabilities of IP service creation, the boundaries of wireless, wireline, and cable are narrowing on an almost daily basis. Most of our colleagues in the telecom industry have embraced this new era of convergence by developing bundled products and applications, and offering them as traditional services - such as phone services over broadband (VoIP and WiFi), and multimedia programming, vis-à-vis

TV and movie contents (IPTV). The future of these new age communications – one without traditional boundaries – is here to stay, and the Internet is the vehicle driving it to the next level.

However, as much as consumer demand is driving the need for these innovative new bundled services and applications, there are a number of issues and conflicts already facing IMS deployment. On one hand, challenges such as integration, billing, OSS, network peering, enhanced applications development, and consumer education (is logical for any new technology), with new regulatory challenges and the burning question as to whether new service delivered and applications utilizing the Internet architecture should be taxed, on the other hand.

History has proved that there are always challenges facing new technology and convergence – such as the transition from black and white TV, to color, to digital to HDTV. Today, these same challenges will inevitably affect the new era of telephone and cable services.

Also important to note, is that there are additional obstacles inherent in this transition that have nothing to do with technology. A chief concern: how will the different segments of the telecommunications industry cope with this new group of business challenges which enable everyone to offer what has been considered traditional services, and the plethora of new services as well? As such, wireless companies can offer TV broadcast, wireline companies can offer both cable/IPTV, as well as traditional phone services, and cable, with its high-speed Internet capabilities, can offer both local and long-distance phone services.

As you can clearly see, the traditional boundaries to which our industry is accustomed are disappearing. Some telecom groups may not be ready for this new technology, but the bottom line is that the Internet and broadband have whet the consumer's appetite for new and enhanced applications, which is driving IMS deployment and the financial success on which Wall Street is betting with the current wave of new financing and IPO's.

Time is of the essence both for vendors and service providers to develop and deploy IMS products and services – both for residential and enterprise business applications. There is a new group of non-traditional Next Gen Service Providers coming fast and consumers are embracing them.

What does all this mean? Simply put: 2006 is just the beginning – not the end – of the Internet phenomena.

All my best,

*Michael Khalilian*  
Chairman & President  
The IMS Forum  
"The Voice of IP Convergence"  
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### CopperCom Acquires Switchmaxx to Ease Customer Transition to Next-Generation Networks

*Software Company Provides CopperCom Customers with Powerful Web Portal and Applications to Drive Adoption of Revenue-Generating Services and Maximize Consumer Retention*

Reinforcing its commitment to independent and competitive telcos, CopperCom, a leader in next-generation switching, announced the acquisition of the Switchmaxx division of Phonetics LC. This investment, enabled by the financial strength of parent company, The Heico Companies, LLC, is part of CopperCom's ongoing strategy to provide its customers with powerful functionality to drive the adoption of advanced, revenue-generating services.

The acquisition creates a new CopperCom product line, the Switchmaxx Unified Self-Care™ Web portal and applications. When integrated with the CopperCom Converged Switching eXchange (CSX) switch and a customer's legacy equipment, the Switchmaxx solution allows service providers to transition smoothly to next-generation services.

### MetaSwitch Underscores Industry Leadership with Multimedia-Enhanced Telephony Architecture (META), Joins IMS Forum

*White Paper Outlines Strategic Technology Solution for Real-World Carrier Migration Challenges*

MetaSwitch further strengthened its position as a thought leader in the rapidly evolving field of IP Multimedia Subsystem (IMS) communications, labeled by industry experts as the network of the future, with the release of a technology strategy white paper detailing the vendor's innovative Multimedia-Enhanced Telephony Architecture (META). The META initiative complements MetaSwitch's increased leadership role in the IMS community through membership in the recently-established IMS Forum, to which it brings valuable real-world experience derived from deployments with more than 150 carrier customers.

Initially developed by the 3GPP mobile standards consortium, IMS has emerged as the most widely accepted blueprint for converged wireless and wireline networks. However, many carriers, particularly those with legacy wireline networks, have substantial concerns about the complexity and risk of migrating to a fully IMS-compliant architecture. In fact, many are even uncertain exactly what an "IMS-compliant architecture" is, since the IMS leaves many key areas, including the definition of physical network elements and support for many legacy wireline services, unaddressed.

Building on MetaSwitch's proven IMS-ready session control, media/signaling gateway and application server technologies, META is designed to allay these concerns. META defines a physical implementation of the IMS architecture that addresses legacy feature equivalence, service creation, integration with emerging "digital lifestyle" multimedia devices, back-office integration, and security. META also offers a real-world migration platform from the "legacy world" to pure IP.

For information on becoming an IMS Forum member, please visit our website at [www.IMSForum.org](http://www.IMSForum.org) or contact Debbie Hetland at [DHetland@IMSForum.org](mailto:DHetland@IMSForum.org).

#### IMS FORUM INDUSTRY NEWSLETTER

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## IMS Forum to Speak, Demo at Upcoming GLOBALCOMM 2006; Hold Annual Meeting Open to Conference Attendees

*Leading Industry Group to Demo and Exhibit at Booth 56092; Advise Industry on Emerging Industry Demand For Network Convergence, Bundled IP Services and Applications*

The IMS Forum, the industry association recognized as the Voice of IP Convergence, announced that it will host its IMS Forum Annual Meeting at the upcoming GLOBALCOMM 2006 conference, open to all attendees, on Tuesday, June 6, 2006, from 12:00 PM – 3:00 PM, at the Hyatt Regency McCormick Place Hotel in Meeting Room CC12D. Providing the Wall Street perspective, Smith Barney's Richard Cooper, and Merriman Curhan Ford & Co.'s Vik Grover, will serve as feature speakers at the Forum's Annual Meeting, and will comment on the benefit, promise and reality of IMS and converged communications, plus the implications for the financial community.

### The IMS Party Networking Event

**Date:** Monday, June 5, 2006

**Time:** 5:30 PM—7:30 PM

**Location:** Cadillac Club at Soldier Field

**Invitation Flyer**

**RSVP Required**

In addition to exhibiting at booth 56092, the Forum will provide an IMS technology demo, developed in conjunction with Forum members Cantata, Sonus Networks, Inc., and BayPackets, Inc. Also of note, IMS Forum executives, Chairman Michael Khalilian, Marketing Committee Chair Farshid Mohammadi (General Manager, UTStarcom), Peter Briscoe, (Founder, President & CEO, Convedia), and Steven Edwards (Chief Marketing Officer, Sonus Networks) will lead and participate in GLOBALCOMM panel discussions at the conference as well.

The mission of the IMS Forum is to accelerate the adoption of IP Multimedia Subsystems (IMS) by providing an environment for discussion and resolution of real-world implementation issues, such as interoperability and standards-based architectures in the application layer. Through its "plugfest" events, the Forum provides companies the means with which to operate cost-effectively, and to accelerate their respective product development cycles.

"IMS will allow previously proprietary services and applications, such as instant messaging, video, picture and text transfer, and e-mail to coexist on one network," said IMS Forum Chairman and President, Michael Khalilian. "When fully realized, IMS will pave the way for true multimedia applications – both voice and video – to be used through multiple forms of access, such as 3G mobile phones, as well as through traditional Internet access methods including corporate LANs and broadband connections. We look forward to GLOBALCOMM 2006, an ideal venue at which to discuss the need for IMS and its benefits with our industry colleagues."

The IMS Forum meetings and executive speaking schedule at GLOBALCOMM is as follows:

**Monday  
June 5, 2006**      **Defining a Successful IMS Strategy:** 11:00 AM – 12:00 PM

- Michael Khalilian, Chairman & President, IMS Forum

**IMS: The Tough Technical Questions:** 2:00 PM – 3:00 PM

- Michael Khalilian, Chairman & President, IMS Forum

Also of note, is that in conjunction with its partner, TMC, the IMS Forum will be hosting a networking reception on *June 5, 2006, from 5:30 PM – 7:30 PM*, at the Cadillac Club at Soldier Field. For additional information, or to RSVP to the event, please visit [www.tmcnet.com/tmcnet/globalcomm](http://www.tmcnet.com/tmcnet/globalcomm).

**Tuesday  
June 6, 2006**      **IMS Forum Annual Meeting:** 12:00 PM – 3:00 PM,

- Meeting Room – #CC12D

**Wednesday  
June 7, 2006**      **IMS: Myths Versus Realities:** 11:30 AM – 12:45 PM

- Steven Edwards, Chief Marketing Officer, Sonus Networks, Inc.

**IMS: Fixed Mobile Convergence:** 1:00 PM – 2:00 PM

- Michael Khalilian, Chairman & President, IMS Forum

#### **Converged Networks and IMS:**

**Making High-Speed Data Applications Mobile:** 2:30 PM – 3:45 PM

- Farshid Mohammadi, IMS Forum Marketing Committee Chair/VP, Business Development
- Peter Briscoe, Founder, President & CEO, Convedia

## MARK YOUR CALENDAR

The IMS Forum will participate in the following events this year. Please let us know if you are interested in speaking or exhibiting at any of these events by contacting Debbie Hetland via email at [DHetland@IMS Forum.org](mailto:DHetland@IMS Forum.org) or by calling (510) 744-4020.

**June 4–8**  
**McCormick Place**  
**Chicago, IL**

### **GLOBALCOMM 2006**

IMS Forum Booth #56092  
Register to attend the exhibits with this Complimentary VIP Pass, a \$150 value, compliments of the IMS Forum  
Priority Registration Code: IMSF

- Speak, Exhibit, Attend

**June 20–23**  
**Denver, CO**

### **SCTE Cable Tec-Expo**

- Attend

**June 20–23**  
**Singapore**

### **CommunicAsia 2006**

- Speak

**June 26-28**  
**San Diego, CA**

### **IMS Evolution Summit**

IMS Forum Members receive a \$200 discount!  
(Discount Code: ID63AD)

- Speak, Attend

**September 28-29**  
**Fairmont San Jose, CA**

### **Fixed Mobile Convergence Live!**

- Speak

**August 29-30**  
**Washington, DC**

### **Fierce Markets IMS Executive Summit**

- Speak, Attend

**October 8–11**  
**Orlando, FL**

### **CompTel Fall**

- Speak, Exhibit

**October 10–13**  
**San Diego, CA**

### **Internet Telephony Conference & Expo** (Fall 2006)

- Speak, Exhibit



# IMS Forum

The Voice of IP Convergence

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# WORKING GROUP UPDATE

## April/May 2006 Technical Working Group Update

For those who have not yet seen the all-member meeting presentation given at COMPTEL *PLUS*, I thought it might be helpful to share the new mission, goals and structure of the Technical Working Group for the IMS Forum.

"The IMS Forum Technical Working Group (TWG) defines rules and procedures for interconnecting IMS networks nationally and globally. In addition, it defines the reference architectures that would provide feature transparency and seamless mobility across broadband fixed and mobile (e.g. Cable, xDSL, 2G/3G, WiFi, WiMAX). The TWG includes the IP Multimedia Subsystem Study Group, focusing on the implementation of next generation networks."

"The goal of the IMS Study Group is to examine key elements required for partial and full IMS compliance, leading to the development of interoperability demonstrations, tests, and certification."

### Simplify

- All Technical Working Group (TWG) activities are organized under a single umbrella organization.
- Study Groups will be formed as needed to address specific topics and projects.
- Study Groups will be single purposed with a focused objective, defined timeline, and specific outcome.

### Innovate

- The overall goal is to examine the activities of all related IMS standards bodies and industry associations to identify technical areas where further development is needed and where testing and certification for interoperability is warranted.

### Provide Value

- As the Group conducts research, draws viable conclusions, and solutions are proposed, it is expected that areas for interoperability testing will clearly emerge.

### Execute

- The Group will undertake the task of outlining a set of specifications for the first Plugfest. The plan will be adjusted for a second round, leading to the final set of certification criteria and a test plan.

The IPCC formally announced its transformation to the IMS Forum on February 25, 2006 and the Study Group published its first paper March 17. This 29-page white paper is titled "IMS Technology Framework: Introduction" and includes a comprehensive overview of the components of IMS and the work of the various standards bodies as well as challenges, opportunities, business implications, and missing elements. The document is available on the IMS Forum website for members only in the [Documents and Working Groups section](#).

**Be Part of the Leading Event in Telecom!**

**September 28 - 29, 2006**  
**San Jose, California**

**2nd Annual**  
**FIXED MOBILE**  
**CONVERGENCE LIVE!**

**Networking • Applications • Support**

Convergence – what it means; which carriers are adopting IMS and UMA; and most importantly – the applications driving the converged fixed and mobile network – is what this business and technology conference is all about.

For Sponsorship and Exhibit Opportunities  
Contact:  
Keri Albers  
Direct: 949-223-3605 or 1-800-608-9641  
kalbers@cmp.com

Register Now @ [www.ecievents.com/convergence06/](http://www.ecievents.com/convergence06/)

**CMP**  
COMMUNICATIONS MARKETING PARTNERS



(continued on page 6)

- Meenal Agarwal, UTStarcom
- Matthew Byrd, Metaswitch
- Cisco Systems
- Michael Khalilian, IMS Forum, eLEC/VoX
- Kevin McCracken, NewStep Networks
- Newport Networks
- Greg Pisano, Brooktrout Technology
- Marian Stasney, IMS Forum
- Eric Wong, UTStarcom
- Susan Norris, Norport Technology Management Consulting
- Eric Burger, Cantata Technology
- Chad Hart, Empirix
- Ronald Gruia, Frost & Sullivan
- Payam Maveddat, Tekelec
- Rob McLean, NewHeights Software
- Dr. Sameh Yamany, Trendium
- Mike Popyk, NewHeights Software
- Manuel Vexler, Coppercom
- Louis Woynarowski, Technical Editor

Work has begun on Version 2 of the Technology Framework paper with an ambitious look at service creation and the role of Service Creation Interaction Manager (SCIM). Conference calls to discuss progress are held every other Tuesday at 4:00 PM Central time. To participate and contribute, please contact me at 512-853-9598 or [marian@imsforum.org](mailto:marian@imsforum.org).

I would like to thank the following contributors for all their hard work and dedication:  
How you can help:

- Delegate and dedicate at least one technical support person to each Study Group effort
- Read and comment on the white papers
- Supply TWG engineer contact information
- Increase membership by introductions to prospective members
- If you participate in other industry forums, help me determine where there may be overlap or confluence
- Influence decision making

Respectfully submitted,  
Marian Stasney  
Director of Technical Working Group

**TMC** The Premier Global Event on IP Multimedia Subsystems

**IMS EXPO**

Featuring The Most Comprehensive Conference Program For Service Providers Seeking To Profit From IMS

**ANNOUNCING!**

**October 11-13, 2006**  
San Diego Convention Center, San Diego, CA

**Attention Service Providers!**  
Learn How to Profit from IMS! Conferences, Networking, Exhibits

- Wireless Service Providers
- ILECs
- Cable Providers
- CLECs
- ISPs
- PTTs
- VoIP Service Providers
- Developers

Co-Located with the 14th **INTERNET TELEPHONY CONFERENCE & EXPO**

Supported By: **IMS Forum**  
The Voice of IP Convergence  
[www.imsforum.org](http://www.imsforum.org)

**www.imsexpo.com**

### VoIP Boosts Carrier Infrastructure Sales

Broadband carriers are building out. Typically, the market for carrier switches and routers usually dips a bit in the first quarter. Not this year; Infonetics Research says shipments increased by 8 percent from the last quarter of 2005 through the first three months of 2006. The study's author says the increase is due in part to massive global broadband build-outs spurred by the need to deliver bandwidth-intensive services like VoIP. There's also "feverishly fast" growth in mobile data traffic and a move from ATM networks to IP nets. The industry bought \$510 million in IP core routers in the first quarter of this year.

-- SOURCE: *VoIP Magazine*

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### Awareness of Voice over Internet Protocol (VoIP) on the Rise in Great Britain and in the United States

**Harris Interactive** survey reveals specialist service providers having more success than the 'big players' in generating awareness about VoIP offerings.

Over the course of nine months, the percentage of British adults who say they have heard of Voice over Internet Protocol (VoIP) or already make telephone calls via an Internet connection increased from just a little over one-third (37%)<sup>(1)</sup> to nearly half (46%). A similar shift in awareness and use in the United States has been displayed (36%<sup>(2)</sup> vs. 51%).

#### **Awareness**

Although the change in VoIP awareness is undeniable, there are still a substantial proportion of adults who are unaware of the technology (41% of British adults and 36% of U.S. adults). Additionally, women are far less likely than men to have heard about VoIP in both Great Britain (28% of women vs. 57% of men) and the United States (34% of women vs. 62% of men).

Derek Eccleston, Research Director at Harris Interactive, comments, "These data suggest that whilst broader marketing efforts may be having success in building awareness of VoIP generally in the marketplace, more targeted communications strategies may be needed to fill the gaps in awareness among various demographic segments."

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### SearchEnterpriseVoice.com

*By Carrie Higbie*

When can you afford to install IP telephony or VoIP services? Or better yet, when can you afford not to install it? The first thought that comes to mind is the obvious cost of long distance savings from one location to another, but you should be aware of other areas involved in these calculations. On the savings side, the things to consider are as follows:

#### **Annual cost for moves, adds and changes**

- These charges are eliminated with IP telephony; phones can be moved or added to any port on the data network as easy as any PC.

#### **Annual cost for inter-office long distance charges**

- With Voice over IP between offices, voice traffic rides on the existing corporate WAN, eliminating toll charges.

*(continued on page 8)*

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### **Annual cost for long distance charges originating from any office to an area that is local to any remote office**

- For instance, a call originating in New York bound for a Miami number that is not local to the system would be routed through the system to the Miami PBX and become a local call.

### **Estimated annual cost of long distance charges associated with mobile workers dialing in to retrieve voice mail** (if voice mail is located at headquarters)

- This is a benefit of unified messaging (think of all the toll charges that are paid to check voice mail). With unified messaging, the e-mail message would be routed to their e-mail client or could be retrieved through the Internet.

### **Annual maintenance cost for headquarters PBX** (equipment plus personnel and maintenance; not including moves, adds, changes)

### **Annual maintenance cost for remote site PBXs and voice mail** (includes equipment plus personnel)

### **Annual spending for audioconferencing/WebEx**

- The newer systems incorporate these features.

### **Depreciation schedule of PBX and LAN switching infrastructure**

- If not already fully depreciated.

### **Buy back or trade in programs for older infrastructure**

- This can be a huge savings – especially if you are doing a competitive upgrade.

### **Savings afforded by telecommuting and elimination of local phone bills**

- Softphones allow remote users to be part of the PBX so remote offices will not need a local phone.

### **Lower to no calling card calls**

- These can be routed through a softphone anywhere an Internet connection exists. This allows for much lower per call fees.

### **Lower cell phone bills**

- With softphones, users can make phone calls through the network rather than costly cell phone expenses whenever they are connected to the Internet.

### **Uninterruptible power supplies (UPS) will be needed to provide power during an outage**

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## **Telcos to Suffer \$36B VoIP Revenue Hit by 2010 Business Sector Gains Won't Offset Losses, Says Juniper Research**

*by Ken Wieland*

What impact will VoIP have on telco revenue from the business sector?

First, the good news. According to a new report from Juniper Research, VoIP revenue from this sector — worldwide — is projected to reach an annual US\$18 bn by 2010. This growth will be driven, says Juniper, by a combination of replacing existing business circuit-switched leased lines; the lower cost of calls; massive growth in the Chinese telecom market; businesses reaping the network efficiencies of putting voice and data over one network; and, in the words of the Juniper press release, 'the realization that integrating voice functionality into business critical IT applications will improve business productivity'.

Other projections that Juniper throws into the business VoIP mix is that small business broadband connections will reach 40 million lines by 2010 and that hosted VoIP business revenue will reach US\$7.6 bn.

*(continued on page 9)*

But now, the bad news. Despite this new VoIP revenue stream, telcos will still make a net loss in revenue — courtesy of VoIP's arrival — to the tune of an annual US\$36 bn. This loss, presumably, is largely down to the fading away of telcos' more lucrative leased line revenue, although Juniper does not say so explicitly in its press statement. It does add, though, that 'losses incurred by traditional service providers will be exacerbated by the rise of internet telephony service providers and VoIP peering houses'.

"VoIP has the potential to transform business communications in terms of call costs, cost of operations and integration with business processes," says Barry Butler, report author. "However, as with other IP-based platforms, IP is a disruptive technology which will reshape the business communications service provider community."

-- SOURCE: *Telecommunications Online*

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## **GLOBALCOMM 2006 Awards of Excellence at Hand**

IMS Forum executives, including Chairman Michael Khalilian, will participate as judges for the 2006 Awards of Excellence, which will be presented in June at this year's GLOBALCOMM conference in Chicago. The program is a direct outgrowth of the world-renowned SuperQuest awards that were presented by SuperComm for almost a decade.

Awards of Excellence will be presented this year to service providers, network designers, and technology vendors in 10 different categories covering various innovative mobile, broadband, optical, edge and access technologies that are being presented at GLOBALCOMM2006. Awards will also be presented for strategic support and customer care services, as well as technological achievement over an extended period.

For details on the winners, as well as additional information on the awards program, please visit [www.globalcomm2006.com](http://www.globalcomm2006.com).

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## **VoIP Poses Network Security Risks**

A new report warns network security ought to be a concern when a business (or a carrier, for that matter) moves to an IP-based voice infrastructure. *IT-Observer* points out that traditional telephony is based on closed proprietary networks, and those characteristics have historically pretty much protected voice networks from bandits. That's not true of open standards-based IP networks, which are by definition subject to all the malware that affects the Internet and desktop computers. There's a lot to be said for VoIP, but it means you'll have to guard your IP infrastructure more closely than ever.

-- SOURCE: *Network World*

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## **VoIP to Steal \$100B in PSTN Revenues**

Over the next five years, VoIP usage should drain \$100 billion from carriers' PSTN revenues, according to U.K. research house Informa Telecoms & Media. In fact, by 2010 PSTN revenues should no longer be carriers' primary source of revenue, researchers said. Informa predicts that in the developed world, carrier PSTN revenue will drop 16.7 percent by 2011. Because carriers have invested heavily in broadband, VoIP revenues should help to offset PSTN losses. However, because VoIP services tend to be priced lower than PSTN-based services, carriers may still face a net revenue loss as VoIP. Also, carriers will face fierce competition from dedicated VoIP services such as Skype and Vonage, notes report author Malik Saadi.

-- SOURCE: *InformationWeek*

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## REGULATORY ROUNDUP

### Net Neutrality Heats Up Again

By Carol Wilson

Net neutrality legislation may be gaining new life in Congress. A cadre of congressmen, representing the leadership of the House Judiciary Committee, yesterday introduced a five-page bill that would make net neutrality provisions part of the federal anti-trust law. Separately, the initial hearing of a Sen. Ted Stevens (R-Alaska) telecom reform measure became a debate on Net Neutrality, according to published reports.

Sponsored by Rep. James Sensenbrenner (R-Wis.), the chairman of the committee, the "Internet Freedom and Nondiscrimination Act" also was endorsed by Rep. John Conyers (D-Mich.), the committee co-chair, and committee members Rep. Zoe Lofgren (D-Calif.) and Rep. Rick Boucher (D-Va.).

The measure earned the immediate endorsement of Internet giants, including Amazon, eBay, Google, Microsoft and Yahoo!, who issued a statement in support of the measure.

-- SOURCE: *Telephony Magazine*

### FCC Modifies Advanced Wireless Services Auction Schedule, Moves Start Date to August 9, 2006

Washington, D.C., May 19, 2006 – Today, the Federal Communications Commission (FCC) released a Public Notice that revises the schedule and filing requirements for the FCC125s upcoming first auction of spectrum licenses for Advanced Wireless Services (AWS-1). This auction, Auction No. 66, will include 1,122 AWS-1 licenses in the 1710-1755 MHz and 2110-2155 MHz bands.

In order to provide auction applicants with additional time for preparation and planning for the auction, the FCC has moved the start date for this auction from June 29, 2006 to August 9, 2006. In addition, the deadline for filing short-form applications (FCC Form 175) has been moved to June 19, 2006.

-- SOURCE: [www.fcc.gov](http://www.fcc.gov)



The advertisement features a blue background with a network of white lines. At the top left, it says "telecom IQ a division of IQPC" and "International Quality & Productivity Center". A red circular badge in the top right corner says "SAVE \$200\*". The main title "IMS Evolution Summit" is in large white letters, with "Summit" being the largest. To the right of the title, it says "June 26 - 28, 2006" and "Catamaran Resort Hotel San Diego, CA". Below the title, it says "Hear from a cross section of Service Providers - Fixed, Mobile, and Cable Operators - explore next steps in the evolution towards IP Multimedia Subsystem architecture." At the bottom left, it says "\* Mention customer code: ID63AD to receive the \$200 discount. For conference policies visit the website." At the bottom right, it says "Association Sponsor: IMS Forum The Voice of IP Convergence www.imforum.org". At the very bottom, it says "To Register: Visit: www.IMSEvolutionSummit.com or Call: 1-800-882-8684".