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ACUTA Newsletters

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Technology Advancement

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3-2013

## ACUTA eNews March 2013 Vol. 42, No. 3

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# eNews

ACUTA's mission is to advance the capabilities of higher education communications and collaboration technology leaders.

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## Meet the 2013–14 Board of Directors

With the elections behind us, a new Board of Directors will begin working together at the end of the Conference on April 17. This year we elected a President-elect, Secretary/Treasurer, and two Directors-at-Large.

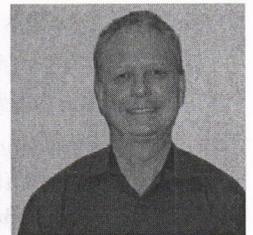
Current President Jennifer Van Horn of Indiana University will assume her new position as Immediate Past President. President-elect Ron Kovac, Ball State University, will step into the role of President for 2013–14. The new President-elect is Mark Reynolds, University of New Mexico. Riny Ledgerwood, San Diego State, was re-elected to a new two-year term.

Adrienne Geraldts, from Rutgers, and Simeon Ananou, from Slippery Rock University, were elected to their first terms as Directors-at-Large. Sharon Moore from Smith College and Walt Magnussen, Texas A&M, will serve the second year of their two-year terms. The appointed Director-at-Large is Phillip Beidelman from WTC Consulting, Inc.

Congratulations to all those who were elected, and thank you to all who sought an opportunity to serve. Serving the association requires commitment and dedication, and is especially important as we deal with rapid and far-reaching changes in how information is accessed and delivered on campus—and off! ACUTA's volunteer Board is very active and plays a vital role in the success of the organization.



Ron Kovac  
President



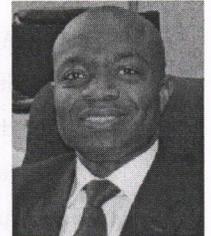
Mark Reynolds  
President-elect



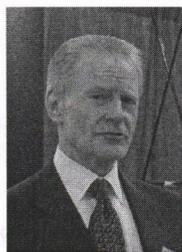
Riny Ledgerwood  
Secretary/Treasurer



Jennifer Van Horn  
Immediate Past President



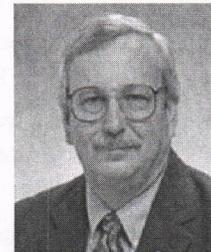
Simeon Ananou  
Director-at-Large



Phillip Beidelman  
Director-at-Large



Adrienne Geraldts  
Director-at-Large



Walt Magnussen  
Director-at-Large



Sharon Moore  
Director-at-Large



Corinne Hoch, PMP  
CEO

## Connexity

Laser-focused on connexity ... that's what ACUTA does best! Connexity is a technology term that means community and connections, as I discovered in a recent online message from Jeff Hurt.

Come and judge for yourself the next level of customized, educational, professional-networking sessions we provide for our members and nonmembers at the 42nd Annual Conference and Exhibition in San Diego April 14-17:

### ★ Special Sunday Workshops

- Internet2 Net+ SIP in the Cloud: This workshop offers an in-depth look at how to manage the services from the contract to the operational phases. A hands-on workshop will allow participants to configure new lines, configure instruments, add features, turn up SIP trunks and perform other daily operations.
- DAS Bootcamp: The Interdisciplinary Telecom Program at the University of Colorado Boulder in collaboration with Evolutionary Communication Consultants has tailored a DAS Bootcamp for ACUTA Conference attendees. It provides an overview of topics in DAS Science fundamentals, leading to more advanced training and certification for engineers and project managers.

### ★ 37+ Sessions focus on key issues, including, but not limited to:

- Supporting Academic and Consumer Technologies
- Emergency Communications
- Finance
- Communications and Collaboration Technologies
- Regulatory Issues
- Network Infrastructure and Management
- Business Processes and Customer Support
- Super sessions on IPv6 and nurturing innovation in higher ed IT

### ★ Keynote/General Sessions

- "Envisioning the New IT Organization" with a panel of extraordinary CIOs, facilitated by John Gallant, SVP and Chief Content Officer, IDG Enterprise
- Cisco's Bob Friday, "The Collision of Two Worlds, Mobile Voice and Mobile Data"
- Dr. Don McMillan's interpretation of "Future Technologies."

### ★ Awards

ACUTA Institutional Excellence, Ruth A. Michalecki Leadership, Bill D. Morris and Jeri Semer Volunteer Recognition Awards.

### ★ Exhibit Hall

In the dynamic exhibit hall you will find solutions to existing and future challenges.

### ★ Professional Networking

First-Time Attendee Reception, Young Professionals Receptions, Birds of a Feather Luncheon, Banquet ... and lots more just around the corner!

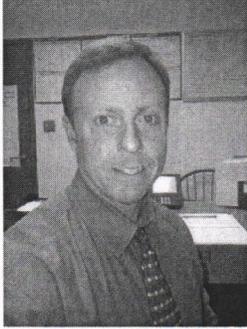
### ★ Strategic Leadership Forum, April 15-16

Senior leaders learn from your peers at institutions of all types and sizes and share your experiences in "The New IT Organization - Are You Ready?" The Forum will address timely issues that are high on any CIO's agenda:

How do we lead in such a way that we balance innovation and stability as we effectively plan for inevitable—and exciting—changes? What historic strategies do we need to abandon, and what new strategies must we learn as we prepare to lead for the future?

You will soon see that we are growing our focus on innovations in professional networking that ultimately add to the ACUTA membership and attendee value proposition. As I said, we are, indeed, laser-focused on connexity!

★ Download the ACUTA 2013 app to enhance your professional peer-to-peer interactions before, during, and after the Conference experience. ([www.acuta.org/app](http://www.acuta.org/app))



Doug West  
Assistant Vice President  
Telecommunications  
Multimedia Support &  
User Services  
Univ. of Richmond

## What's on Your Desk?

Here at the University of Richmond, our Information Services division is structured such that most of the user-facing services are aligned under one organizational umbrella. In our case, we have chosen to include telecommunications services (which also include campus cable television services), multimedia and audio/visual support, and the user services group (computer help desk) under one organizational structure. There is a wide array of technology service and project management needs that require our attention on any given day.

The current list of items on my desk that require attention include the development and implementation of a new Classroom Master Plan. The Information Services organization is playing a key role, but it also involves representatives from the Registrar's Office, Facilities, Academic Support, the Provost and the Academic Deans, as well as faculty and student body.

In addition, there are a number of other projects in progress, or getting ready to kick off, such as:

(1) Our summer computer replacement project includes the selection of this year's hardware and software standards for both the PC and Mac platforms.

(2) We are planning the infrastructure and technology needs associated with two new building projects on campus, which will begin construction this spring.

(3) We are currently involved in a VDI proof of concept, evaluating several solutions to be considered for future deployment.

(4) We have recently installed a new system that allows us to provide better support for mobile devices on campus, as well as improved capabilities for managing these devices as university assets.

(5) Upgrades are currently underway to various systems or applications in use on campus, such as the emergency messaging system and the campus digital signage system.

(6) As is the case with most groups responsible for telephony services on campus, we support a daily list of moves, adds, and changes on campus.

(7) We are continuing our rollout of voice over IP services to campus administrative offices.

## New State/Province Coordinators

ACUTA is pleased to welcome three new State/Province Coordinators. Our latest volunteers are:

- Giselle Collins, British Columbia Institute of Technology, Province Coordinator for Alberta, Nova Scotia, and Ontario
- Raymond Perez, Roseman University of Health Sciences, State Coordinator for Nevada
- Fouad Yatim, Suffolk University, State Coordinator for Massachusetts.

We are still in need of volunteers to serve as state coordinators for Alabama, DC, Idaho, Kansas, New Hampshire, Oklahoma, and Wyoming.

This volunteer position is a great way to get to know your "neighbors" and help us grow the association at the same time. You help your institution by strengthening your professional network and making connections with other campuses nearby. All it requires is a willingness to reach out to others and an occasional few minutes of your time.

Anyone interested in learning more about the State/Province Coordinator program should contact Amy Burton at [aburton@acuta.org](mailto:aburton@acuta.org) or 859/721-1653.

## Second Annual ResNet Report Now Available

ACUTA and the National Association of College and University Business Officers (NACUBO) have just published the 2013 ACUTA/NACUBO State of ResNet Report, casting a spotlight on important residential networking trends and challenges facing universities and colleges across the country.

The 2013 report reveals schools rising to meet bandwidth demands but struggling to manage escalating costs amid tightening budgets. It is the second installment of a comprehensive five-year tracking study to measure the broad variation in residential networking (ResNet) practices and policies in higher education in order to develop a long-term body of knowledge around an area where very little aggregate data currently exists. It is also the first time that two leading institutions have pooled their expertise to study ResNet issues and the first time that respondents extend beyond higher-education IT officers to CFOs and business officers.

“The ACUTA/NACUBO Study paints a vivid picture of the intensifying tug-of-war between rising ResNet costs and tightening budgets at many of our nation’s universities and colleges,” said Dee Childs, ACUTA Environmental Scanning Committee chair, who is the associate provost and CIO of The University of Alabama in Huntsville. “It is our hope that the study will provide a comprehensive and coherent inventory of practices, perceptions and priorities to help administrators rise to the challenges of the coming years.”

John Walda, NACUBO President and CEO, adds, “Reaping the rewards of technological leaps while maintaining both administrative and budgetary efficacy is a delicate balance for administrators. This study is a positive step toward fostering greater cooperation and dialogue among stakeholders and an important contribution to helping higher-education institutions develop successful ResNet strategies.”

Highlights of the report are incorporated into an infographic, which, along with the full report, is available at [www.acuta.org](http://www.acuta.org).

## The App Is Back—Better than Ever!

[www.acuta.org/app](http://www.acuta.org/app)

The 2013 ACUTA Conference & Exhibition App is a free native application for smartphones and tablets (Apple and Android) and a hybrid web-based app for Blackberry—and there’s also a web-based version of the application for all other web browser-enabled phones. (Thanks to our sponsors and advertisers: Code Blue Corporation, AT&T, and CEECO.)

Downloading the 2013 ACUTA Mobile App is easy! For iPhone (plus, iPod Touch & iPad) and Android: Visit the app store for your device and search for ACUTA 2013. For all other phone types: While on your smartphone, point your mobile browser to <http://m.core-apps.com/acuta2013>. From there you will be directed to download the proper version of the app for your particular device, or on some phones, bookmark this page for future reference.

Features of the app include:

- A *Dashboard* provides up-to-the-minute information.
- *My Schedule* easily organizes your schedule with one click.
- *Sessions* lets you see all the details about sessions, including dates, times, lengths and descriptions. You can also take session notes here. (This section also includes information on Strategic Leadership Forum presentations.)
- *Exhibitors* provides an alphabetical listing of companies, contact information, a place for you to place notes, an option to note booths you have visited, and more!
- *Alerts* provides important real-time communications from ACUTA.
- Built-in social media links include Twitter, Facebook, LinkedIn, and ACUTA’s YouTube channel/Videos.
- The app is a convenient way to rate and comment on the sessions you attend.
- The Multi-Device sync is greatly improved this year.
- An opt-in *Attendees* section makes it easy to connect with others and become Friends. Friends can share schedules and addresses.
- *Information* contains helpful tips and documents.

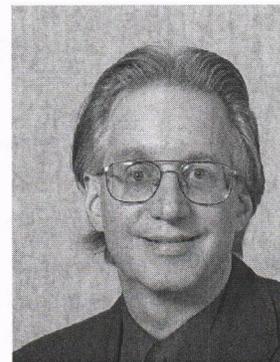
And much more including Downloads, Maps, Messages, and Local Places.

The app will be available all year after the meeting is over so use it to create and maintain your ACUTA professional network!

## Info Links

Frequently, vendors, associations, governmental bodies, and others provide white papers and other informational documents which are announced through a variety of media sources. While some admittedly have a certain slant or opinion, others are quite objective; however, they often contain valuable information. Below are links to selected documents.

- Ericsson – Heterogeneous nets—increasing cellular capacity:  
[http://www.ericsson.com/res/thecompany/docs/publications/ericsson\\_review/2011/heterogeneous\\_networks.pdf](http://www.ericsson.com/res/thecompany/docs/publications/ericsson_review/2011/heterogeneous_networks.pdf)
- Small Cell Forum – Small Cells—What’s the big idea?:  
[http://www.smallcellforum.org/Files/File/SCF-Small\\_Cells\\_White\\_Paper.pdf](http://www.smallcellforum.org/Files/File/SCF-Small_Cells_White_Paper.pdf)
- Nokia – Cell load & application aware traffic management:  
[http://pt.nokiasiemensnetworks.com/sites/default/files/document/nokia\\_siemens\\_networks\\_quality\\_of\\_service\\_differentiation\\_white\\_paper\\_20022012.pdf](http://pt.nokiasiemensnetworks.com/sites/default/files/document/nokia_siemens_networks_quality_of_service_differentiation_white_paper_20022012.pdf)
- FTC – Mobile Privacy Disclosures:  
<http://www.ftc.gov/os/2013/02/130201mobileprivacyreport.pdf>
- Freedom House – Freedom on the Net 2012:  
<http://www.freedomhouse.org/report/freedom-net/freedom-net-2012>
- FCC – NPRM on Rural Call Completion Issue:  
[http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2013/db0207/FCC-13-18A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2013/db0207/FCC-13-18A1.pdf)
- HyperCube – Transitioning the U.S. to IP Voice:  
<https://prodnet.www.neca.org/wawatch/wwpdf/2613hypercube.pdf>
- ITU – ITU Telecom World 2012 Outcomes Report:  
<http://world2012-outcomes.itu.int/>
- ITU – Webcasts of Telecom World 12 Sessions/Panels, etc:  
<http://world2012-live.itu.int/>
- Internet Access Services Report:  
[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-318810A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-318810A1.pdf)
- OECD -- Global Broadband Penetration Rates :  
<http://www.oecd.org/internet/broadbandandtelecom/oecdbroadbandportal.htm>
- APCC – Payphones in the Broadband Age:  
<https://prodnet.www.neca.org/wawatch/wwpdf/2813apcc.pdf>
- FCC – Report on Lifeline Program Savings Target:  
[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DA-13-130A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-13-130A1.pdf)
- FCC – 2012 Annual Performance Report:  
<https://prodnet.www.neca.org/publicationsdocs/wwpdf/2513fccfiscal.pdf>
- FSF – Reforming FCC Processes (Former Commish Tate):  
[www.freestatefoundation.org/images/Reforming\\_the\\_FCC\\_s\\_Processes\\_for\\_Digital\\_Age\\_Effectiveness\\_and\\_Efficiency\\_020113.pdf](http://www.freestatefoundation.org/images/Reforming_the_FCC_s_Processes_for_Digital_Age_Effectiveness_and_Efficiency_020113.pdf)
- FSF – Mobile Devices as Mobile Health Centers (Tate):  
[www.freestatefoundation.org/images/A\\_Mobile\\_Device\\_Is\\_Not\\_Your\\_Grandmother\\_s\\_Telephone\\_Anymore\\_010713.pdf](http://www.freestatefoundation.org/images/A_Mobile_Device_Is_Not_Your_Grandmother_s_Telephone_Anymore_010713.pdf)
- USPS-IG – U.S. Mail Digitally from Rural Telcos?:  
[http://www.uspsig.gov/foia\\_files/RARC-IB-13-001.pdf](http://www.uspsig.gov/foia_files/RARC-IB-13-001.pdf)
- FTC – Videos on Being Secure Online:  
Using Public WiFi Networks: <http://www.onguardonline.gov/media/video-0080-public-wi-fi-networks>  
Computer Security: <http://www.onguardonline.gov/media/video-0081-computer-security>  
Online Shopping: <http://www.onguardonline.gov/media/video-0082-online-shopping-tips>  
Protect Your Computer from Malware: <http://www.onguardonline.gov/media/video-0056-protect-your-computer-malware>
- FCC – Measuring Broadband America (Feb. 2013):  
<http://www.fcc.gov/measuring-broadband-america/2013/February>
- Mobidia – Understanding Today’s Smartphone User (Parts 1-3):  
<http://www.mobidia.com/products/whitepaper-download/?url2=products&url=whitepaper-download>
- Mandiant – Report Naming Gov’t of China as Hacker of U.S.:  
Report and Appendix: <http://intelreport.mandiant.com/>



**Randy Hayes**  
Director at Large  
Univ. of Northern Iowa  
[randal.hayes@uni.edu](mailto:randal.hayes@uni.edu)

## Members Celebrate ACUTA Anniversaries

ACUTA is pleased to recognize the following individuals who have been designated as ACUTA representatives from their institutions or companies for a number of years. We congratulate you, and we appreciate your contribution to ACUTA.

If you expect to see your name on this list and do not, please contact Joanie Proffit at [jproffit@acuta.org](mailto:jproffit@acuta.org).

If you are attending this year's Annual Conference in San Diego, please be sure to come to the front of the room at the end of Tuesday's general session to have your picture taken. Anniversary pins are placed in portfolios for those in attendance at the Conference and are mailed to those who cannot attend.

### 30 Years

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Diane McNamara, Union College  
Walter Ronaghan, Albert Einstein College of Med. of  
Yeshiva Univ.  
Donald Sailer, Univ. of Mass., Amherst

### 25 Years

---

Buck Bayliff, PCR  
Phillip Beidelman, WTC Consulting, Inc.  
William Brichta, Delaware Valley College  
Randy Burns, Windstream  
Timothy Casey, Skidmore College  
James Cross, Ph.D., Longwood Univ. (retired)  
Pamela Fueshko, William Paterson Univ.  
Roy Gruver, Lehigh Univ.  
Thomas Heacock, Verizon  
Riny Ledgerwood, San Diego State Univ.  
Joseph Massey, Jr., JTM Associates, Inc.  
John Nunnally, Harding Univ.  
David O'Neill, SUNY Empire State College  
Jane Sheldon, Univ. of Nebraska at Kearney  
Francis Speck, Saint Mary's Univ. of Minn.  
Jan Weller, Washington Univ. in St. Louis (retired)

### 20 Years

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Brenda S. Bennett, SUNY College at Potsdam  
Joan Chapek, North Dakota State Univ.  
Hugh Gilbert, Emerson College  
Walt Magnussen, Ph.D., Texas A&M Univ.  
Eddie Mardon, Univ. of Cal., San Diego  
Lisa Notarianni, Univ. of Scranton  
James A. Pampinella, Syracuse Univ.  
S. Paul Petroski, Univ. of Maryland, Baltimore  
Kay Reeves, Abilene Christian Univ.  
Susanne Reynolds, Clarion Univ.  
Ronald Skutnick, Univ. of Scranton

### 15 Years

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Brian W. Anderson, Cal. State Univ., Chico  
Bliss N. Bailey, Auburn Univ.  
Thomas Baity, Elmhurst College  
Donald L. Blakeman, Georgetown College  
Brad Bouwkamp, Hope College  
Jeremy Brown, Colorado Mesa Univ.  
Doug Carlson, New York Univ.  
Kevin Condit, Univ. of Louisville  
Maureen Coughlin, Teachers College, Columbia Univ.

Rick Cunningham, Windstream  
Kaye Davidson, Indiana Univ.-Purdue Univ.  
Indianapolis  
Diane Dumbleton, Queen's Univ.  
Mary Margaret Echevarria, UT San Antonio  
Ahmed El-Haggan, Ph.D., Coppin State Univ.  
Bruce Engstrom, Univ. of Florida  
Hamid Etesamnia, Univ. of Redlands  
Mark Faulkner, Univ. of Cincinnati  
Douglas Harnaga, Rutgers Univ.  
James Hollowell, Tennessee State Univ.  
Lizanne Hurst, Lehigh Univ.  
Carol Kondrach, Rider Univ.  
Kimberly Kyte, Virginia Commonwealth Univ.  
Charles Lavender, Austin Comm. College  
Paula Lee, Univ. of Tulsa  
Linda H. Mathiesen, Lake Forest College  
Mark Monfette, Univ. of Manitoba  
Andy Palms, Univ. of Michigan  
Michael Phillips, Clarion Univ.  
Jose Rodriguez, Texas State Univ.-San Marcos  
David M. Rose, SUNY Inst. of Tech.  
Stewart Seruya, Univ. of Miami  
Debby Shelton, Central Washington Univ.  
Janice Sisson, Univ. of Manitoba  
Katherine Smith, Butler Univ.  
Roy Smith, Virginia Tech  
Judith Tanzi, Rhode Island School of Design  
Roosbeh Tavakoli, D'Youville College  
Dixie Thomas, Purdue Univ.  
M. T. Torres, Teachers College, Columbia Univ.  
Jennifer Van Horn, Indiana Univ.  
Randy Wanciak, Yale Univ.  
Doug West, Univ. of Richmond  
Kathy Wilders, North Central College

### 10 Years

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Joe Adamo, Univ. of North Texas  
John Arechavala, Carroll Univ.  
Tom Ball, Cornell Univ.  
John D. Balling, Willamette Univ.  
John Barnard, Fordham Univ.  
Joseph Blanchard, Univ. of Maryland, Baltimore  
Richard Boyd, Univ. of Michigan  
Mark Bragg, East Tennessee State Univ.  
Chris Chamberlain, Oakland Univ.  
Cheryl Child, Keene State College

Brad Coburn, The College of New Jersey  
 Skip Cohen, Avaya, Inc.  
 Andrew Day, Saint Michael's College  
 Kevin W. Deak, Carnegie Mellon Univ.  
 Michael Dennis, Univ. of Georgia  
 Bill Edgette, Austin College  
 Todd Edwards, Wake Forest Univ.  
 Henry Eyer, Agnes Scott College  
 Odette A. Fung, SUNY at Albany  
 Scott George, Northampton Comm. College  
 Daniel Henderson, Northern Arizona Univ.  
 Kathy Hoffman, Idaho State Univ.  
 Layne Holland, Texas State Univ., San Marcos  
 Debora Hutchison, Univ. of Maryland, College Park  
 Joseph Indiano, Butler Univ.  
 Eleanor A. Kelley, RAMTEL  
 Daniel Kerrigan, Joliet Junior College  
 Mark J. Kimble, Rochester Inst. of Tech.  
 Jay Kohn, Stanford Univ.  
 Helen Latimer, Hofstra Univ.  
 Wilson Mendez, SUNY at Albany  
 Jamie Mullins, Windstream  
 Deanna Mushat, Baldwin-Wallace College  
 John Petkash, Broome Comm. College  
 Monique Pinner, Norfolk State Univ.  
 Rachel Price, So. Illinois Univ. at Carbondale  
 Brian Purcell, Murray State Univ.  
 Luann Root, Buffalo State College  
 Gary Rosenberg, Monmouth Univ.  
 Jean Savage, Western Univ.  
 Carmin Schnarr, Vincennes Univ.  
 Pat Shea, WCET  
 Mack Stiles, Univ. of No. Carolina, Greensboro  
 Paige Strickland, Univ. of So. Mississippi  
 Donna Varner, The Citadel  
 Mark V. Watters, Ball State Univ.  
 Sue B. Workman, Indiana Univ.  
 Jason Yao, DePaul Univ.

## 5 Years

Shehzad Amin, Northwestern Univ.  
 Jim Archuleta, Ciena Corporation  
 Dawn Augustino, Univ. of Pennsylvania  
 L. Diane Bahr, Univ. of Cal., Davis  
 Sean Bankston, Florida State Univ.  
 Christine Barry, Univ. of St. Thomas  
 Delores Barton, Spelman College  
 Daniel Baun, Southwest Minnesota State Univ.  
 Debora Beegen, Univ. of Rochester  
 Marie-France Belisle, Telecom Reseller  
 Ed Berberich, Vincennes Univ.  
 Peter Blando, Univ. of Cal., Davis  
 Michael Brown, Arizona State Univ.  
 Yvette Brown, Barry Univ.  
 Bruce Burton, Univ. of Cincinnati  
 Morgan Butler, Bitek International Inc.  
 Daniel H. Byrd, Univ. of Texas at San Antonio  
 Dexter Caldwell, Furman Univ.

Susan Campbell, Georgia Inst. of Tech.  
 Michael Colachico, Windstream  
 Shane Coley, Lewis-Clark State College  
 Giselle Collins, British Columbia Inst. of Tech.  
 Sue Contarino, William Rainey Harper College  
 Lorenzo Costantino, Simon Fraser Univ.  
 Dennis J. Cromwell, Indiana Univ.  
 Todd Cunningham, Indiana Univ. of Penn.  
 Clinton Davies, Berry, Dunn, McNeil & Parker  
 David DeLutis, Bridgewater State Univ.  
 Hollis Douglas, Miami Dade College  
 Pam Duffin, Gannon Univ.  
 Kathy Dupree, Randolph College  
 Kent Eitzmann, Univ. of Nebraska, Lincoln  
 Andy Farrior, Victoria College  
 Scott Ferguson, Pima Co. Comm. College Dist.  
 Kevin T. Ferrero, Temple Univ.  
 Louise Finn, Loyola Univ. Maryland  
 Colleen Finnegan Gross, Carousel Industries  
 Hugh Flemington, Queen's Univ.  
 Corey Fling, Point Loma Nazarene Univ.  
 David Galassi, Yale Univ.  
 Dennis Gendron, Ph.D., Tennessee State Univ.  
 Vance Gerchak, North Dakota State Univ.  
 Sandra Germenis, Univ. of Texas at Austin  
 Robert Glover, PCR  
 Lucy Graham, Carousel Industries  
 Leisa Grijalva, Univ. of Arizona  
 Peter Gunn, Univ. of Maine  
 Priscilla Hancock, Ph.D., Univ. of Louisville  
 Richard Harden, UNC, Chapel Hill  
 Ed Hawkins, Univ. of Nevada-Las Vegas  
 Craig Healey, Fujitsu Network Comm.  
 Kyle Herron, Univ. of South Carolina  
 Karl Hildebrandt, Brit. Columbia Inst. of Tech.  
 Lani Hildebrandt, Arizona State Univ.  
 Terry Hill, So. Illinois Univ. at Carbondale  
 Brad Hogan, Aruba Networks  
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 Donna Liss, Truman State Univ.  
 Panit Lisy, Univ. of Ill. at Urbana-Champaign  
 Radha Marreddy, Univ. of Illinois, Chicago  
 Stephanie Martin, Delgado Comm. College  
 Laura McCabe, Gustavus Adolphus College  
 Jana McDonald, Texas A&M Univ.  
 Ryan McGill, Sprint  
 David McKee, Arizona State Univ.

Mark McNeil, Fordham Univ.  
 Jason Miceli, CSDNET Inc.  
 Chris Michels, Northern Arizona Univ.  
 James Miller, Univ. of Pittsburgh  
 Matthew Mitarnowski, Portland State Univ.  
 Charles Moody, Kutztown Univ.  
 Michele Morrison, Brit. Columbia Inst. of Tech.  
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## FCC and the Enterprise: Why Should You Care?

*Douglas Jarrett, Keller and Heckman LLP*

This TechNote, which appeared online January 17, 2013, looks at the FCC's focus on broadband deployment and the significance to the enterprise customer.

During the past several years, the FCC has implemented its National Broadband Plan looking to accelerate broadband deployment, a move that will promote economic growth and efficiency. The FCC has allocated more spectrum for wireless broadband and pushed services providers to offer broadband services at progressively higher data rates. The agency has also taken steps to ensure an "open" Internet, and focused its Universal Service Fund (USF) program on supporting broadband in rural areas.

### **Spectrum Management**

The FCC sets spectrum policy and assigns licenses to wireless carriers and commercial entities along with state and local governments. It determines which frequency bands are allocated for unlicensed operations such as Wi-Fi. Increasingly, Congress has intruded into spectrum policy making, mainly in an effort to generate revenues for the U.S. Treasury through spectrum auctions. An exception was legislation enacted in 2012 allocating the 700 MHz D-Block for a public safety broadband network.

Beginning with the reallocation of the 700 MHz band from UHF-TV to wireless, the FCC has focused on making additional spectrum available for wireless broadband. The FCC is acting upon or considering proposals from Dish Networks, LightSquared and Globalstar, respectively, to re-purpose satellite spectrum for terrestrial broadband use. That's despite rejecting a similar proposal due to projected adverse impacts to GPS operations. Reallocating or sharing Federal government spectrum is another avenue being pursued.

The FCC has initiated steps to conduct "incentive auctions." TV Broadcast station licensees could then opt to allow the FCC to auction their broadcast station licenses (and share the revenues) with the objective of making more spectrum available for wireless broadband. As a result of industry consolidation, the FCC is evaluating whether to retain or modify its criteria for evaluating mobile spectrum holdings in the context of transactions and auctions. The FCC could also adopt caps or limits on spectrum holdings either overall or within particular frequency bands that a carrier may hold.

### **Promoting Broadband Deployment**

Apart from spectrum decisions, the FCC has adopted major decisions to promote broadband deployment. In its 2010 Net Neutrality Order, the FCC acted to ensure the dominant Internet service provider (ISPs)--Verizon, AT&T and the major cable operators--do not exercise control over or limit access to web sites or otherwise impair an open Internet. That makes the ISPs largely responsive to the interests of the major Internet/technology companies--Google, Amazon, Microsoft, and Apple--and public interest groups. The courts' resolution of Verizon's appeal of the Net Neutrality Order will determine whether any or all aspects of this decision will survive long term. At the 2012 World Conference on International Telecommunications ("WCIT"), the United States is advocating that the Internet should not be subject to international telecommunications regulation and free from content regulation/censorship by national governments.

In 2011, the FCC adopted its USF Reform Order to redirect USF support to persons lacking access to high-speed broadband services, creating the Connect America Fund and Mobility Fund. Unfortunately, funding USF is increasingly problematic because the USF contribution rules were developed during 1995-1997, prior to the emergence of wireless and the Internet. The USF contribution factor is currently 17.4% of carriers' "telecommunications services revenues" (with lower contribution factors for Wireless voice and VoIP services). Carriers are allowed to recover their USF contributions from end users. Revenues derived from wireless and wireline broadband services are not subject to USF assessments. The FCC has initiated a proceeding to address this USF revenue challenge.

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### Migration to All-IP Networks

The National Broadband Plan viewed the transition to all-IP networks as a critical step to nationwide broadband deployment. Local wireline networks have lagged in this transition. AT&T filed a petition November 7, 2012 (“Petition to Launch A Proceeding Concerning the TDM-to-IP Transition”) requesting the FCC grant local exchange carriers the option to conduct “trial runs of the transition to next-generation services, including the retirement of . . . [TDM (Time Division Multiplexing)] facilities and offerings and their replacement with IP-based alternatives.” AT&T is looking to eliminate regulations that either impede this transition or extend legacy telecom regulation to an all-IP services environment. On the same date, AT&T announced “Project Velocity IP”, a series of planned investments intended to deliver broadband (either wireline or wireless) to all customers served by its legacy local telephone networks.

\* \* \* \*

The FCC’s commitment to broadband and support for all-IP networks is encouraging services providers to transition to IP technology and services, sending a clear message to enterprise customers: Deferring migration to IP services and investments in IP technology is no longer prudent or wise.

## Congratulations to Brian Yamaguchi

Brian Yamaguchi of University of Southern California is the winner of the free hotel stay for the Annual Conference next month. Brian registered before the cutoff and reserved his room within the ACUTA block at the hotel, so his name was entered into the random drawing—and he won!

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