

**STRONG****FLEXIBLE****FAST**

ICN Insider

Iowa Communications Network
May/June 2017 Newsletter

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Registration Now Open for InterConNEXT 2017

InterConNEXT 2017 will connect industry partners and ICN customers in showcasing the benefits of new fast, flexible ICN service offerings. Join ICN for an engaging and connected experience where strong product solutions will be shared.

Date

Thursday, August 3; 9 AM - 12 PM

Location

FFA Enrichment Center
1055 SW Prairie Trail Parkway
Ankeny, Iowa
50023

Cost

Free! Space is limited.

Register

<https://icn.iowa.gov/interconnect>

Who Should Attend

IT Professionals in K-12 or Higher Education,
Healthcare, Government, & Public Safety

K-12 Leaders, Administrators, Principals

Technology Contacts

Higher Education Professionals

1:1 Schools' District Representatives

Healthcare Administrators

Chief Information Officers

Telecom Partners

Policy Leaders



ICN Customers Interact with FortiExpress Fast and Secure Tour

On May 4, ICN's healthcare, government, education, and public safety customers experienced cutting-edge security demonstrations and face-to-face interaction when the "Fast and Secure Tour" rolled into Des Moines.

The hands-on customer tour was coordinated by ICN's new public-private partner LightEdge. ICN's customers received a security overview highlighting emerging security challenges, and offering security equipment suggestions. The "Fast and Secure Tour" provided a new way to demonstrate the latest in network security, including next-generation firewalls, advanced threat protection appliances, web application firewalls, and intrusion prevention solutions.



LightEdge is a key partner for ICN's new dynamic firewall service ([AramidFW](#)). ICN's AramidFW is an advanced-feature firewall service that incorporates Fortinet into the service offering.

ICN's Vision:



BROADBAND
MATTERS.COM



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Visit us on the web at www.icn.iowa.gov

2017 Legislative Overview

The legislature adjourned on April 22. Commissioner Tim Lapointe's fourth term appointment (through 2023) was approved by the Senate on April 6. He has served on the Iowa Telecommunications and Technology Commission (ITTC) since 1999. Each commission member serves a 6-year term, and is subject to confirmation by the Senate.

Session Highlights:

- [House File 467](#) - Effective July 1, ICN will be able to provide law enforcement communication system services to authorized users.
- [Senate File 500](#) - Effective July 1, HSEMD will direct a portion of 911 funds to begin the consolidation of the e911 & NG911 networks.
- [House File 601](#) - Effective July 1, information and records regarding cybersecurity and physical/critical infrastructure will be considered confidential, and not subject to Iowa's open records statute.
- [Senate File 431](#) - Effective July 1, wireless companies will be free to mount micro-cells on certain city structures in order to build future 5G infrastructure.



View a complete listing of bills passed in the 2017 Session by the 86th Iowa General Assembly on their website at <https://www.legis.iowa.gov/law/statutory/acts/enrolledBills>.

Governor Branstad Visits the ICN

On March 24, Governor Branstad greeted ICN's leadership and staff. ICN's Executive Director Ric Lumbard presented a plaque to the Governor to honor him for the vision and foresight in the establishment of the state-of-art broadband legacy for the State of Iowa. The initial legislation for the formation of the ICN was signed on June 5, 1989 by Governor Branstad.

Leadership provided a tour of ICN's Broadband Information Center after a Distributed Denial of Service (DDoS) attack had occurred to a customer. Governor Branstad was able to observe the bandwidth results and how ICN scrubs the malicious activity and returns the clean data to the customer.

There was also a briefing with the ICN executive leadership which provided an update about the FirstNet process.

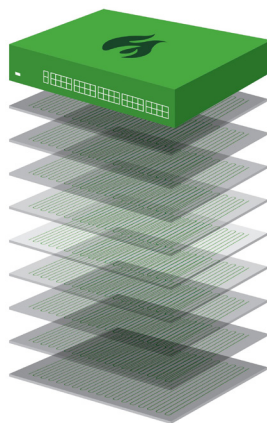


Introducing AramidFW, ICN's Premier Managed Firewall Service

ICN launched AramidFW, a new cyber service for Internet customers to its Spectra Security Suite. AramidFW, a dynamic firewall service, integrates ICN's intelligent network fabric for 24/7 protection, and is a front line defense that is designed to prevent unauthorized virtual access.

AramidFW is an advanced-feature firewall service that incorporates Application Control, Intrusion Prevention Service, Web Filtering, Anti-Malware, and more.

"All of ICN's customer channels can benefit from AramidFW, since all sectors have digital information to protect," said ICN's Security Bureau Manager Ryan Mulhall. "Providing AramidFW to our customers allows ICN to be that strong security resource when virtual intruders attempt to interrupt or gain access to our customers' data," added Mulhall.



AramidFW adds new features and blocks modern threats such as advanced malware, ransomware, and application-layer attacks. By adopting this solution, our Internet customers will also receive added security value including: firewall migration, hardware assurance plan protection, and access to a proactive threat library that pushes real-time updates.

The addition of AramidFW to ICN's service portfolio was made possible through the launch of a new public/private partnership with LightEdge. Headquartered in Des Moines, LightEdge is an experienced and proven leader in colocation, enterprise-grade cloud solutions, and network integration.

To learn more about AramidFW visit ICN's website at <https://icn.iowa.gov/services/AramidFW>.

FirstNet and AT&T Participate in 5th Iowa FirstNet Public Private Partnership Summit

Iowa's private telecommunications industry gathered on April 6 for the 5th Iowa Public Private Partnership Summit, where they heard directly from a FirstNet representative and FirstNet's awarded vendor AT&T.



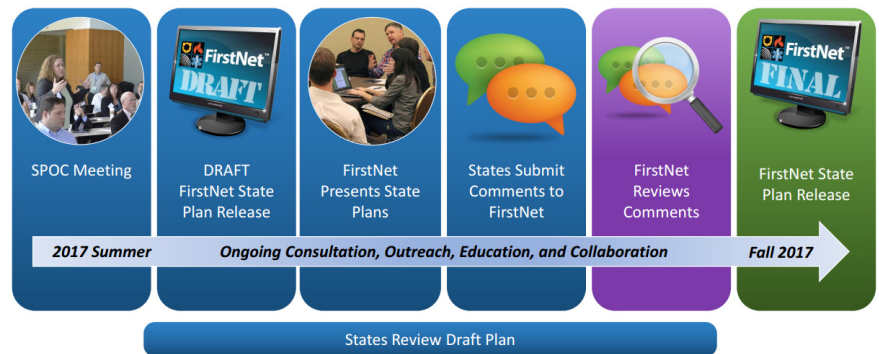
Panel members participating in the discussion included: Ryan Boone (Premier Communications, Inc.), Dave Duncan (Iowa Communications Alliance), Thomas Lampe (DPS), Bob Von Wolffradt (State of Iowa CIO), Ric Lumbard (ICN), John Chambers (AT&T Services, Inc.), Andy Sackreiter (AT&T Services, Inc.), and Andrew Delaney (FirstNet) via video.

FirstNet's mission is to build, operate and maintain the first high-speed, nationwide wireless broadband network dedicated to public safety. FirstNet will provide a single interoperable platform for emergency and daily public safety communications.

To watch a recording of the April 6 Summit and view the handouts provided visit ICN's website at <https://icn.iowa.gov/customer-focused/public-safety-firstnet>.

First Responder Network Authority (FirstNet) is a federal initiative to create a nationwide public safety wireless broadband communications network dedicated to public safety, and is the last remaining recommendation of the 9/11 Commission.

The Summit provided a national update, an Iowa update, a private sector perspective, and a Q&A opportunity for the audience. In addition several items were explained including the Steps to the State Plan release, mobile devices, opt-in/opt-out concerns, and quality of services, priority, and preemption.



FirstNet Partners with AT&T to Build \$46.5 Billion Wireless Broadband Network for America's First Responders

On March 30, the Department of Commerce and First Responder Network Authority (FirstNet) announced the selection of AT&T to build the first nationwide wireless broadband network dedicated to America's first responders.

The broad terms of this 25-year agreement between FirstNet and AT&T are:

- FirstNet will provide 20 MHz of high-value, telecommunications spectrum and success-based payments of \$6.5 billion over the next five years to support the Network buildout – FirstNet's funding was raised from previous FCC spectrum auctions;
- AT&T will spend about \$40 billion over the life of the contract to build, deploy, operate and maintain the

network, with a focus on ensuring robust coverage for public safety;

- Additionally, AT&T will connect FirstNet users to the company's telecommunications network assets, valued at more than \$180 billion.

The ability to communicate seamlessly across jurisdictions is critical for law enforcement, fire, and emergency medical services (EMS) when securing large events or responding to emergencies and disasters.

In those instances, commercial networks can become overloaded and inaccessible, limiting responders' use of vital communication technologies, such as smartphones and applications dedicated to public safety services.

Read more at <https://firstnet.gov/>

FirstNet announces technology partner to deploy innovative mobile network for public safety



FirstNet™





Employee Spotlight Darcy Pech

For the last five years, Darcy Pech has worked as a Marketing and Communications Specialist within the Director of Administration's Office. Darcy's duties consist of graphic design projects including newsletter layout, signage, logos; research and posting articles on social media; photographing events; updating and maintenance of websites. She says that the best part of her job is the variety of work she does and being able to interact with the entire ICN staff.

Darcy is an Iowa State University graduate, where she majored in journalism with emphasis in advertising, and she had a minor in TV. Prior to the ICN her previous employers were the Iowa Department of Administrative

Services (DAS), Governor Culver's Office, Hubbell Realty, KCCI, WHO, and WOI TV stations.

In Darcy's leisure time she loves to walk at Gray's Lake in Des Moines or go to the gym. She also has a part time job working at various events around Des Moines and throughout Iowa. She says she loves being around people.

A memorable life experience that Darcy describes is going to New York to celebrate her daughter's graduation from high school. "We saw 5 musicals and one play on Broadway (getting rush tickets is the most economical) and visited most of the main sights including a taping of the Stephen Colbert show. We also drove up to Boston and stayed in a little seaside town. Stopped by the Cheers bar and had pizza on our way back in Mystic, MA."

If Darcy could meet one person it would be Oprah Winfrey. She says, "I'm impressed with her tenacity and the way she encourages everyone to be their best self."

Broadband News from Around the Web

[Iowa Governor Wins Connected Nation Broadband Visionary Award](#)

Branstad created the 2013 State Advisory Broadband Committee. He also launched the "Connect Every Iowan" initiative with Connect Iowa in an effort to make Iowa the "Most Connected State in the Midwest." Under Branstad, Iowa also passed one of the first state broadband bills in 2015. Iowa has been recognized as a leader in organizing a statewide, interoperable first-responders network.

[Waverly plugs in to faster internet](#)

The city of Waverly officially has plugged in to become a "gigabit" city. With high-speed internet, enhanced digital cable and digital telephone services, Waverly residents and businesses are able to take advantage of speeds up to 1,000 megabits per second.

[Polk County inmates can watch movies, access certain websites and stay in better touch with loved ones on new tablets](#)

The Polk County Jail began offering the tablets March 9 through a pilot project with Telmate, an Idaho-based company that provides communication services in more than 300 correctional facilities in North America.

[ATM access at a touch of your smartphone is here in Des Moines](#)

A new generation of ATMs, which Wells Fargo has upgraded around Des Moines, is taking the card out of the equation, allowing customers to use their smartphone instead.

[High school sophomore creates app downloadable worldwide](#)

Adam Rice wrote a computer program and created a game that is available for download on the Apple iPhone app store.

[Clive Library Offering Guests WiFi Hotspot Devices](#)

The Clive library recently started checking out mobile hotspot devices for up to 25 days. Officials say they can be taken home if you don't have internet or can be used on vacation if you don't want to use your data.

[The apps to use if you want to keep your messages private](#)

What products should you be using to enhance your privacy? We took a look at more than a dozen consumer messaging services to give you a better idea.

BROADBANDMATTERS

BROADBAND STRONG: Delivering **FLEXIBLE** broadband and **FAST** experiences to meet the growing broadband needs of education, government, public safety, and healthcare in Iowa.

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