



# ICN Insider

Iowa Communications Network  
September-October 2016 Newsletter

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## ICN's Vision:



**BROADBAND**  
MATTERS.COM



## First InterConNEXT Broadband Event

On August 2, ICN held its first annual interactive experience; InterConNEXT 2016 outlined exciting new developments in the Internet landscape in Iowa.

At InterConNEXT 2016, ICN Executive Director Ric Lumbard announced a major upgrade to Iowa's broadband network core. Currently, ICN operates a core capable of 40 Gigabit (Gb). Over the course of the next several months that core will be increased 5X to a total capacity of 200 Gb with network virtualization. This increase will dramatically upgrade the current untapped potential in the ICN's infrastructure enabling faster delivery of broadband services to areas of key importance including education, healthcare, public safety and government services.

### Save the Date

Next year's InterConNEXT event will be held on August 3, 2017. Mark your calendar and look for more information in mid to late April.

InterConNEXT Videos are available on YouTube.

<https://www.youtube.com/user/IowaCommNetwork>



## Congratulations to the 10 winners of ICN's Security Consultations

- Clarinda Regional Health Center
- Iowa Valley Community College District
- East Union Community Schools
- Johnston Public Library, City of Johnston
- Independence Mental Health Institute
- Audubon County Memorial Hospital
- Mercy Medical Center
- Army National Guard
- Kirkwood Community College
- Central College

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## Strong Broadband for Public Safety - Continuing the Discussion

Individuals representing Iowa’s private telecommunications industry gathered on August 25 for the fourth Public Private Partnership Summit to advance the Iowa FirstNet (First Responder Network Authority) discussion. 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 opened by providing an update on topics involving data acquisition collection, tribal engagement task force, upcoming metro awareness engagements, and a programmatic environmental impact notice. In addition several items were explained including layer responsibility, opt-in/opt-out concerns, the State plan evaluation, and wireless carrier participation.



“This will be a significant collaborative effort,” said Ric Lumbard, Executive Director, Iowa Communications Network. Lumbard added, “We feel that Iowa has worked well with FirstNet.”

Panel members participating in the discussion included: Thomas Lampe (DPS), Dave Duncan (Iowa Communications Alliance), Bob Von Wolfradt (State of Iowa CIO), Ryan Boone (Premier Communications, Inc.), Ray Warner (Aureon, formerly Iowa Network Services) and Ric Lumbard (ICN).

“From the public safety standpoint, cost and coverage will be the areas that will be the most important for deciding to opt-in,” explained Tom Lampe, Iowa FirstNet Single Point of Contact.

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 August 25 Summit and view the handouts provided visit ICN’s website at <https://icn.iowa.gov/customer-focused/public-safety-firstnet>. For more updates about Firstnet visit [www.FirstNet.gov](http://www.FirstNet.gov).



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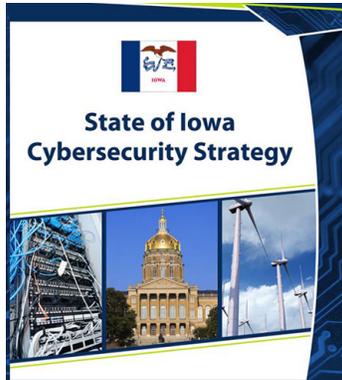
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## Branstad, Reynolds and State Leaders Announce Iowa Cybersecurity Strategy

On August 8 the first Iowa Cybersecurity Strategy was announced by Gov. Terry E. Branstad and Lt. Gov. Kim Reynolds. The Office of the Chief Information Officer was the lead agency in this effort and was assisted by the Department of Public Safety, Department of Homeland Security and Emergency Management, the Iowa Communications Network, and the Iowa National Guard.

The State of Iowa Cybersecurity Strategy details the steps the State of Iowa needs to take to increase our resilience to cyberattacks. The strategy primarily focuses on lifeline critical infrastructure sectors, such as energy, transportation, and communication, and state government as it relates to the protection of digital government services and citizens.

The strategy also outlines recommendations in the areas of risk assessment, implementation of best practices, awareness training for state employees, public education, collaboration with the private sector and educational institutions, STEM



education and training programs to foster an improved cybersecurity workforce, data breach reporting and notification requirements, and updating Iowa's emergency response plan to specifically deal with the physical consequences of a cyberattack on our state's infrastructure.

On Dec. 21, 2015, Gov. Branstad signed Executive Order 87 which directed executive branch agencies to work together to develop the Iowa Cybersecurity Strategy by July 1, 2016. The Cybersecurity Strategy was completed and presented to the governor's office by July 1, as required. By implementing the recommendations outlined in the strategy, Iowa will be better able to not only respond to cybersecurity events, but also proactively mitigate risks for its citizens and government operations.

View the strategy on the Governor's website. [https://ocio.iowa.gov/sites/default/files/documents/2016/08/2016\\_cybersec\\_document\\_web\\_version\\_2\\_final\\_0.pdf](https://ocio.iowa.gov/sites/default/files/documents/2016/08/2016_cybersec_document_web_version_2_final_0.pdf)

## Gov. Branstad, Commissioner Ryan highlight new pilot project to assist public safety officials in Iowa schools

On July 25, Gov. Branstad, Iowa Department of Public Safety Commissioner Roxann Ryan and Marshalltown High School principal Jacque Wyant, highlighted the creation of a new pilot project titled WISE (Wi-Fi Internet for School Emergencies).

The WISE School pilot project will be implemented for testing by the end of the summer at Marshalltown Community School District, Norwalk Community School District and Martensdale Community School District. The Iowa Communications Network (ICN) is working with three Wi-Fi vendors: Aruba, Cisco and Fortinet for this project.

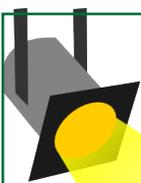
This Wi-Fi network will be a dedicated, private and secure system for public safety agencies and emergency responders to use when they are responding to incidents at schools. First responders will be able to access critical IT assets and be able to upload and download information from the school while in their vehicles or patrol cars. The WISE School system will



allow first responders to connect to an access point and be able to view surveillance cameras, at school districts that have IP-based surveillance systems, before they arrive at the scene.

The existing ICN network structure already in place at nearly all school districts across the state will allow for the WISE system to connect to the broadband fiber. There is no cost to schools assisting with this pilot. This system is secure and will only be made available to those authorized to access it. "The safety of our children and educators in the state is a top priority and the WISE School pilot project is just one more way our state is working together with local and county officials to strengthen and ensure that our schools are safe," said Commissioner Ryan.

If the field testing of these pilot projects is successful throughout the next year, the Iowa DPS hopes to expand the project to other schools across the state.



## Employee Spotlight Rich Edwards

Rich Edwards works as a Senior Telecommunications Specialist in the Engineering Bureau for the ICN. He has been with the ICN for 17 years. As a member of ICN's Technical Assistance Center (TAC), Rich works with ICN's phone systems, which includes: moves, adds, changes and troubles. The TAC team responds to department questions, inquiries, and troubles with the legacy phone systems. Rich is also helping with the ICN conversion of the new phone system with CenturyLink.

Rich has earned his associate's degree in electronics, along with many certificates from specific phone and phone mail systems. He also has a certificate from Luther Rice, which is a Bible study program.

A memorable life experience is when Rich and other ICN employees completed maintenance work at Terrace Hill. They were changing out a shelf that was mounted to the wall, when taking the shelf down, it slipped and crashed on the floor. "We then heard a door open and a voice calling out, who's down there? It was the first lady, everyone froze, and I finally spoke up and said 'it's the ICN working on the phone system!' Michael and Helen couldn't get a word out, what a memory!"

In Rich's leisure time he has four grandchildren and he is looking forward to the fifth one coming in November. He likes to bike ride, swim, and go to baseball games locally and in Kansas City. His volunteering includes mission work, Harvest Team Leader, substitute Sunday school teacher, and church choir. A few fun favorite facts about Rich are: he enjoys Tasty Tacos on Grand, green is his color of choice, and he likes to travel to Jamaica (in fact he has been there six times for mission work).

### Broadband News from Around the Web

#### [ISU Dietetic Intern Program Partners with App to Provide Nutrition Coaching](#)

You've been able to track your food and count your calories online or through your smartphone for years. Now, an application provides nutrition coaching from nutrition experts, and Iowa State University Dietetic Interns will help low-income families through the app.

#### [Game Changer in Health Care, Telehealth Brings Patients More Access to Care](#)

A high tech health service is growing popularity in the healthcare industry and allowing more patients in rural areas to have easier access to care. It's called Telehealth, where health care is provided through video.

#### [Iowa tests high-speed Wi-Fi network](#)

Iowa is testing a private, high-speed Wi-Fi network for public safety agencies responding to school safety incidents. The project is called WISE, or the Wi-Fi Internet for School Emergencies, and it will let responders tap into the Iowa Communications Network (ICN) backbone that already connects 300 schools statewide.

#### [Branstad, Reynolds and State Leaders Announce Iowa Cybersecurity Strategy](#)

Gov. Terry E. Branstad and Lt. Gov. Kim Reynolds were joined at the Administration's weekly press conference by the State's Chief Information Officer Bob Von Wolfradt and the Director of the Department of Homeland Security and Emergency Management Mark Schouten in announcing the first ever Iowa Cybersecurity Strategy.

#### [Microsoft's Iowa data center cluster to reach 3.2M square feet](#)

Software giant has targeted West Des Moines for a major data center buildout.

#### [Why data centers love coming to Iowa](#)

It seems that data centers can't get enough of Iowa. Big names in the nation's technology industry have sought out the state to house their data storage, bringing multibillion-dollar investments with them.

#### [Sign up to receive weekly broadband emails](#)

**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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