



## Expanding rural broadband in Iowa

### USDA Rural Development helping to make faster internet connection available.

Western Iowa Telcom, commonly known as Wiatel, recently received a \$24.8 million USDA loan for an extensive fiber-to-the-premise (FTTP) project that will greatly expand broadband access to communities, residents and businesses in northwest Iowa.

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## Verizon offers priority communications access to Iowa public safety agencies

### Strong broadband for first responders.

Verizon said Wednesday it will provide Iowa police, firefighters and other emergency workers with priority access to its nationwide communications network at no additional charge when necessary to ensure connectivity.

## Rural broadband gets increased focus

### 40% of the population in rural America, doesn't have 3-25 mbps broadband speeds.

Improving rural broadband access is an issue getting renewed attention from government and the telecom industry. While about 10% of the total American population doesn't have access to broadband speeds between 3 and 25 megabits per second, that figure rises to 40% of the population in rural America, according to the 2016 Broadband Progress Report.

## Why fiber optics is key to future Silicon Beach tech expansion

### Striving toward fast broadband connections.

The relocation of tech companies to Southern California is part of a growing movement of U.S. cities seeking to duplicate the formula that turned Northern California's Silicon Valley, slightly south of San Francisco, into a mecca of society-shifting innovation and immense wealth.

## All Systems Go: Networking to Support Multicampus Colleges

### Multiple campuses can be a networking challenge.

When networks span geographically dispersed campuses, standardization and manageability are key.

## The Future of Networking with SDN

### Innovative technology designed for network control and automation.

With the increased number of computer and mobile devices being used in organizations, CIOs are in need of a dynamic, manageable, as well as cost-effective solution that can effectively handle today's high-bandwidth applications. Making a

revolution in the networking landscape, Software-defined networking (SDN) is one of the most innovative technologies designed for network control and automation.

## **5G connections to reach 1.4b by 2025**

### **Faster speeds of 10Gbps and a latency of one millisecond.**

Global connections for the fifth generation of mobile networks (5G) will increase to 1.4 billion by 2025 from just one million in 2019, the first year of commercial launch.

## **Telemedicine Could Help Medicaid Patients With Specialty Access**

A new study in JAMA finds that specialty access standards aren't helping Medicaid patients with specialty referrals, and suggests telemedicine could improve that access.

## **Report: IoT attacks exploded by 280% in the first half of 2017**

### **IoT devices have been targeted through botnets.**

A report from F5 labs showed how IoT devices have been targeted through botnets, many from a single hosting provider. Here are the results, and what they mean for the enterprise.

## **This New Squad of Internet Experts Will Try to Bring Order to Global Cyber Conflict**

As interference in foreign elections and attacks on civilian infrastructure push the limits of what states can get away with in cyberspace, a newly formed team of lawyers, academics, executives, and government officials is scrambling to develop some simple rules of the road in an effort to prevent the rising tide of cyberattacks from leading to outright war.

## **3 Questions To Start the Connectivity Conversation in Your School District**

### **Flexible digital learning opportunities.**

For school districts, preparation for the school year begins long before the first day of school. As you work to set your district's students and teachers up for success in the 2017-2018 school year, now's a great time to consider their digital learning opportunities.

## **With 12 Jurisdictions on Board, FirstNet Gathers Forward Momentum**

### **Strong broadband for public safety.**

Energy behind the effort to bring a reliable and unified network to U.S. first responders is picking up, and 11 states and one territory are already on board.

## **9 Factors To Ensure Your Cybersecurity Policy Works For Your Staff, Not Against Them**

### **Strong daily precautions.**

Companies and organizations are still struggling to deal with ransomware, a cyberattack in which user data is encrypted and held hostage, supposedly until a ransom is paid. This trend looks set to continue and perhaps even intensify. It is critical that people, especially those among executive leadership, have the right mindset when communicating with those who are on the front lines of preventing cyber attacks.

## **Deciphering the internet of things: Where IoT adoption is today**

While the world is recognizing the potential for IoT to deliver value, it is still in the early stages. We are only beginning to unlock the full potential of IoT, specifically industrial IoT. Startup and tech companies move at a more rapid pace and strive for constant innovation. These two types of companies must come together for IIoT to move further along.

## **Edtech companies offer ways for students to engage with upcoming solar eclipse**

From lesson plans to live Twitter chats, Discovery Education is aiding K-12 schools with their Great American Eclipse experience.