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Volume 19, Issue 2

Technology Industry News

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As we enter the closing weeks of 2022, the *Pipeline* team is monitoring the top trends and news stories of the year. In cybersecurity news, 99,506 potential incidents were investigated and triaged by CyberSOC teams. New studies found that the 6 GHz high-frequency range could significantly increase bandwidth and data speeds for 5G mobile communications. The FCC has released its Equity and Diversity Council report. The latest mobile technologies are anticipated to improve connectivity across Africa, to support digital projects in healthcare, agriculture, education, and financial services. And in the markets, IMARC released its telecom infrastructure forecast.



The top telecom industry news stories from the month are summarized below. To view all the news as it breaks, check out *Pipeline's* [News Center](#) or [subscribe](#) to receive our telecom industry news summary.

Innovation News

This month has been full of notable tech innovations. Bell Canada began a three-year strategic relationship with Montreal innovation centre, Centech. As Centech's exclusive telecommunications provider, [Bell will leverage its advanced network capabilities](#), 5G, and AI management expertise to help emerging Canadian businesses drive innovation, growth, and adoption of advanced technological solutions.

Intelsat announced it has been chosen by [MTN](#) to further the company's leadership while meeting the demand for broadband in remote areas of South Sudan. In addition, Orange and Vanu will partner up to provide [improved connectivity for African countries](#). They will be using the latest mobile technology to accelerate the development of digital projects in healthcare, agriculture, education and financial services, among others. Meanwhile, Vodafone Group partner AST SpaceMobile has successfully unfolded the communications array for its test satellite,

BlueWalker 3, in low Earth orbit. [AST SpaceMobile](#) is building the first and only space-based cellular broadband network accessible directly by standard mobile phones. It is being designed to enable devices to switch automatically between space and ground-based networks, making it easier to connect customers in hard-to-reach areas and help eliminate coverage gaps.

Forward Edge-AI has been awarded a [Phase I Small Business Technology Transfer \(STTR\)](#) contract by the US Air Force/AFWERX to meet a national defense-related information resilience mission in the area of Space Communications Security (COMSEC). Moreover, LightRiver has received the Editor's Choice Award in the 2022 Pipeline Innovation Awards for its [Software Defined Waves \(SD-WAVES\) solution](#). Pipeline's "Editor's Choice" award is granted to the company that Pipeline feels "best embodies innovation."

Ribbon Communications announced that its [Session Border Controllers](#) SBC 5400, SBC SWe, SBC SWe Edge, SBC 1000, and SBC 2000 have been certified for Google's new SIP Link, which enables Google Cloud business customers to leverage Google Voice telephony services across the globe. Plus, Hewlett Packard Enterprise has built a new supercomputer for the [Meteorological Service Singapore \(MSS\)](#) to advance weather forecasting and tropical climate research for Singapore and the broader Southeast Asia region. The new supercomputer replaces MSS' existing system, delivering nearly twice as much performance and advanced capabilities across compute, storage, software and networking.

Market News

We've had some interesting movement in the markets recently. The latest IMARC Group report titled '[Telecom Electronic Manufacturing Services Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027](#)', offers a comprehensive analysis of the projected growth in telecom infrastructure. Also, Orange Cyberdefense, the cybersecurity subsidiary of Orange, [acquired 100 percent of the Swiss companies SCRT and Telsys](#).

Ciena Corporation has entered into a definitive agreement to [acquire Tibit Communications](#) and Benu Networks. Meanwhile, a major new [Ericsson commissioned study](#) by management consulting firm Analysys Mason highlights the potential economic, consumer and environmental benefits of 5G connectivity in 15 national emerging markets. With regulatory and government support, all 15 countries could benefit from GDP growth between 0.3 and 0.46 percent through 2035, with an estimated three-to-seven-fold cost-to-benefit ratio.

Security News

In security news, [Nozomi Networks](#) has innovated the way industrial and ICS cybersecurity solutions are adopted. With the introduction of OnePass, the industry's first completely integrated hardware and software as a service model for OT and IoT security, customers can purchase and deploy solutions that meet them where they are today, with the flexibility to easily evolve with changing needs.

[Nokia](#) announced the extension of its existing relationship with State Grid Corporation of China, with the selection of its Optical Transport Network solutions. SGCC will deploy Nokia's optical

technology across Hubei, Hunan and Jiangxi provinces, creating an OTN backbone with the capacity, operational efficiency and intelligence required to support the Chinese power grid and provide highly reliable service to its broad customer base.

CX News

In the world of CX news, [Deutsche Telekom](#) is accelerating digitalization by creating a new business area for end-to-end digital solutions and platforms in the growth market for digital experience services.

Palo Alto Networks announced a [commitment with Zoom Video Communications](#) to create joint solutions that will enable an exceptional user experience for their mutual customers and help companies simplify and secure hybrid work. In addition, Cisco announced new features and capabilities for the reimagined [Webex Customer Experience \(CX\)](#) portfolio that delivers a fully integrated collaboration, cloud contact center and cloud communications platform for better CX.

Allot announced that [Verizon has selected Allot NetworkSecure](#) to provide network-based cybersecurity protection to segments of the company's wireless and fixed wireless small and medium business and IoT customers to defend them against a broad range of cyber threats. [Orange Cyberdefense](#) launched its annual security research report, the Security Navigator 2023. This year's in-depth analysis examined 99,506 potential incidents that were investigated and triaged by CyberSOC teams, an increase of five percent from the 2021 report.

5G, Mobile, and Network News

[Nokia](#) has completed a successful field trial of C and L band WDM optical line system with Philippine mobile operator Globe Telecom. The trial demonstrated operation of Nokia's innovative PSEVs chipset transmitting a 600Gbps channel in the C band and a 400Gbps channel in the L band on Globe's live optical network. Nokia also announced that it will lead the [German Federal Ministry of Education and Research's KOMSENS-6G project](#). The project aims to drive global pre-standardization activities from a German and European perspective, with a specific focus on the network as a sensor technology.

[SOLiD](#) has selected Picocom to power its next-generation 5G Open RAN Radio Units (O-Rus). Meanwhile, TELUS Corporation and [TELUS International](#) reached a definitive agreement to acquire WillowTree, a premier, full-service digital product provider focused on end-user experiences, such as native mobile applications and unified web interfaces.

[Akoustis Technologies](#) announced that it has joined the Wi-Fi NOW industry association as an Official RF Filter Partner, alongside major thought leaders including Cisco, Eero, Linksys, Intel, Netgear, and many more.

[Deutsche Telekom](#) tested a high-frequency range at 6 GHz and concluded that the very high frequencies compared to current bands are ideally suited for mobile communications and could significantly increase bandwidth and data speeds for the 5G mobile communications.

Cloud News

The cloud-based dynamic spectrum sharing solutions company Federated Wireless has been conditionally approved as an [Automated Frequency Coordination system operator](#) by the U.S. Federal Communications Commission. Also, [Swisscom and Netcracker](#) have extended their relationship as Netcracker makes an investment toward a public cloud-based OSS.

Nexign launched a new OSS solution to centralize the collection and transformation of network data. [Nexign Mediation](#) represents a low-code platform that aggregates data from various network equipment and other sources. It lets communications service providers increase the security, speed, and flexibility of collecting and analyzing data streams for further use in billing and analytics.

Cerillion announced the launch of [Cerillion 22.2](#), the latest release of its pre-integrated BSS/OSS suite, which helps communications services providers to capitalize on the opportunities created by the structural separation of network operator from service provider.

Vodafone has begun deploying new disaggregated cell site gateway routers to cost-effectively upgrade 4G cell sites to 5G and bring new ones online. [The routers](#) are the essential link between a mobile site and the core network, which connects customers to the Internet.

Regulatory News

In regulatory news, the Federal Communications Commission Chairwoman Jessica Rosenworcel issued a statement on the [FCC's Communications Equity and Diversity Council report](#). Furthermore, the Open-IX Association, [expanded its reach to Africa](#), certifying three of the largest African based Internet Exchange Points have obtained OIX-1 certification through the Association's global Internet Exchange certification program.

Members of NTCA and the Rural Broadband Association received over [\\$400 million in loans and grants](#) for broadband deployment through the U.S. Department of Agriculture's latest distribution of ReConnect Program funding. The funding will support service to over 73,000 people, nearly 2,000 businesses, over 5,500 farms and 122 schools.

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