

5G NEWSLETTER

Monthly update about global developments in 5G technology (16 Sept'22 - 15 Oct'22)

National Governments' Announcements



Argentina

Argentine government announced plans to complete final and successful 5G auction in the country scheduled for Q1 2023



Canada

Montreal based Government Universities have selected Ericsson Canada to enhance 5G sustainability using AI aimed at reducing the energy use of 5G networks



UK

Government announced establishment of an innovative Telecommunications Lab (research facility) for Solihull in light of growing 5G demand



India

India has planned to set up around 100 5G labs in the country to promote 5G implementation and simplify the 5G licensing regime



Romania

Romania telecom authority has launched the 5G spectrum sales in the country inviting telecom operators to send their intentions for licensing for various frequency bands

Telcos' Futuristic Initiatives



Korean Telcom provider, **KT Corporation**, announced its plans to establish special 5G testbed based on 4.7 GHz spectrum band allowing customers access to its key network equipment from public cloud



Spain-based **Cellnex Telecom** has been chosen as a networking partner by Paris La Defense to conduct 5G mmWave trial in the French business district



Verizon launched a 5G Innovation Experience Hub for students, faculty, entrepreneurs, and corporate partners at University of South Carolina to test and create new solutions for improving manufacturing processes with quality sensing and defect detection



Ericsson plans to provide new generation radio equipment, 'AIR 3268', that is known to be 18% more energy efficient, to Malaysia for boosting the 5G rollout in the nation

Key News



01 OCTOBER 2022: AVIATION, AIRPORT

Delhi IGI Airport has become the first Indian Airport to have 5G network compliant infrastructure for public use

- With the initialization of 5G networking in India, the Indira Gandhi International Airport in Delhi is going to be the first public airport facility in the country to be 5G network compliant and ready
- As per airport's operating authority, Delhi International Airport Limited (DIAL), the services will be available for users at the airport at domestic departures, international arrivals, car parking spaces, and other areas
- As the airport is now compatible with 5G network infrastructure, the services will be available for passengers once country's telecom service providers roll out the technology



30 SEPTEMBER 2022: TELECOMMUNICATIONS

Ericsson and Tusass aim to make the least populated and largest Island on earth, Greenland, wireless using 5G technology

- Tusass, a Greenland-based postal and telecommunications company, along with Ericsson, is planning to roll out a non-standalone (NSA) Fixed Wireless Access (FWA) 5G network in Greenland, the least densely populated territory on Earth with 75% of the land covered with ice
- The telecom providers' aim is to connect the citizens of Greenland over vast distances, bringing them closer to each other and to the rest of the world using 5G technology
- The initiative is continuation of Ericsson and Tusass' 5 year old partnership with a focus on transition from 4G to 5G



29 SEPTEMBER 2022: TECHNOLOGY, INFRASTRUCTURE

Mavenir has launched a new 5G small cell for in-building public spaces and enterprise use cases

- Mavenir, an American telecommunications software company, announced launch of its latest 5G small cell for in-building SA coverage with high-capacity, for public spaces and enterprises at the India Mobile Congress (IMC)
- The globally applicable product has been introduced to support distributed and centralized ORAN architectures for a variety of spaces, including enterprises such as offices, retail stores, warehouses, manufacturing facilities, and public spaces
- The product, currently undergoing lab trials across the globe, is aimed at enabling communication service providers to enhance their network capacity and coverage for in-building use cases



28 SEPTEMBER 2022: SEMICONDUCTORS, ENGINEERING

Advanced Semiconductor Engineering, Inc. announced plans to enhance adoption of smart manufacturing technologies by establishment of 5G mmWave NR-DC SA Smart Factory

- Advanced Semiconductor Engineering (ASE Group), a provider of independent semiconductor assembling and test manufacturing services, has announced its plans of establishment of a 5G mmWave 'New Radio-Dual Connectivity Standalone (NR-DC SA)' smart factory
- The lab will be world's first-of-its kind setup and will be supported by the Industrial Development Bureau and Qualcomm Technologies Inc. for smart manufacturing of semiconductor assembly and testing
- The Institute for Information Technology, Asia Pacific Telecom, DEVCORE Security Consulting and the National Cheng Kung University's Intelligent Manufacturing Research Center will also contribute strategically in the process to frame future of smart production



28 SEPTEMBER 2022: TELECOMMUNICATIONS, GOVERNMENT

NTT has announced its plans to set up United States' largest 5G network in Las Vegas to drive innovation and development

- The Nippon Telegraph and Telephone Corporation (NTT), a Japanese telecommunications company, has announced at the Mobile World Congress 2022 (MWC) that it will establish nation's largest 5G network in Las Vegas, Nevada, US
- The Private 5G (P5G) network expansion for the City of Las Vegas (CoLV) will be set up to serve as an open platform available to local businesses, government, and educational institutions in the region
- The new network setup is going to be the first-of-its-size to be openly available to third-party APs and public end-user devices



20 SEPTEMBER 2022: SPACE

Orange Côte d'Ivoire has established a new 5G Lab in Ivory Coast, West Africa, aimed at business innovations for multiple sectors and purposes

- Orange Côte d'Ivoire, the largest mobile carrier operating in the Ivory Coast and subsidiary of a French multinational telecommunications corporation – Orange – has established a new 5G lab dedicated for digital professionals, start-ups and businesses
- The lab has been set up as a new collaborative space for the local businesses that is fully equipped and dedicated to practical applications
- The new space is aimed at supporting innovative businesses keen to experiment with 5G's potential, for different business sectors, conferences, training, and co-working sessions



16 SEPTEMBER 2022: DÉFENSE, MILITARY

Verizon, in collaboration with Ericsson will provide the 5G network at joint military base Pearl Harbor-Hickam for US DoD

- US Department of Defense (DoD) has chosen Verizon to facilitate the Hawaiian military base with private 5G networking under the Tranche 2 contract that is worth \$11.5 million
- As per the contract, Verizon will install and manage a 5G private network at joint military base Pearl Harbor-Hickam (JBPHH) inside an aircraft maintenance hangar to provide the military personnel with high-speed and -bandwidth, and low-latency connectivity
- Verizon has partnered with Ericsson to provide the 5G service at the base, while Verizon will supply its core and radio access network to the site



16 SEPTEMBER 2022: FOOD & BEVERAGE

Nestlé, in partnership with Ericsson, Claro and Embratel, has set up Latin America's first smart factory with 5G infrastructure throughout the establishment

- Nestlé, a Swiss multinational food and drink processing conglomerate, has established its private 5G network at one of its factories, the first-of-its-kind in Latin America, using Ericsson Private 5G
- The smart factory set up is 100% on-premises network architecture, completely separate from public mobile network, with 5G's high data and low latency network throughout the site
- The deployment of the new 5G infrastructure has been established with the help of telecom operator Ericsson and communication service providers Claro and Embratel, as a foundation for growth of industry 4.0 across Latin America regions