Press Release

LoRa Alliance™ Accelerates Global Reach Of LoRaWAN™ Technology With New Specification Release And Announces The North American Certification Program Schedule

SAN RAMON, Calif., -- 15 November 2016 -- The LoRa Alliance, one of the fastest growing Internet of Things (IoT) alliances, having gained over 400 members since March 2015, has released an updated version of the LoRaWAN technology specification, version 1.0.2, which will enable rapid deployments around the world. The specification is available for free download from the LoRa Alliance website today. Over 10,000 IoT hardware and software developers have already downloaded previous versions of the specification and are delivering LoRaWAN products today.

LoRaWAN uses unlicensed radio spectrum in the Industrial, Scientific and Medical bands to enable low power, wide area communication between remote sensors and "gateways" connected to the network. In different countries and regions around the world, the available radio frequencies and permitted behavior of a device connecting in the ISM bands can vary. This new version of the specification adds frequency support for countries in the APAC region, including South Korea, Brunei, Cambodia, Indonesia, Japan, Laos, New Zealand, Singapore, Taiwan, Thailand and Vietnam. This release also separates the country-specific radio parameters from the core protocol specification, making it faster for the Alliance to update for local requirements and support global demand without the need to release a new version of the LoRaWAN core specification.

The LoRa Alliance Certification Program, which was established in November 2015 with EU test houses IMST and Espotel, is now supported by three global test houses: 7Layer, AT4 and TUV. The LoraWAN Specification certification will support North American certification by the year end.

All LoRaWAN Certified devices are listed on the LoRa Alliance website https://www.lora-alliance.org/Products/Certified-Products

"*We continuously look for ways to support and accelerate the demand for LoRaWAN technology globally and see the separation of the ISM band frequency support from the core specification as key to enabling rapid global deployment, combined with the availability to certify products in every region will make it simple to ensure interoperability,*" said Geoff Mulligan, Chairman LoRa Alliance.

Download the specification at:
https://www.lora-alliance.org/Contact/Request-Specification-Form

About the LoRa Alliance™

The LoRa Alliance™ is an open, non-profit association that has grown to more than 400 members since its inception in March 2015, becoming one of the largest and fastest growing alliances in the technology sector. Its members are closely collaborating and sharing their experience to promote the LoRaWAN™ protocol as the leading open global standard for secure, carrier-grade IoT LPWA connectivity.

With the technical flexibility to address multiple IoT applications, both static and mobile, and a certification program to guarantee interoperability, the LoRaWAN™ is already being deployed globally by major mobile network operators and is anticipated to widely expand in 2016.

About LoRaWAN™

The technology utilized in a LoRaWAN network is designed to connect low-cost, battery-operated sensors over long distances in harsh environments that were previously too challenging or cost prohibitive to connect. With its unique penetration capability, a LoRaWAN gateway deployed on a building or tower can connect to sensors more than 10 miles away or to water meters deployed underground or in basements. The LoRaWAN protocol offers unique and unequaled benefits in terms of bi-directionality, security, mobility and accurate localization that are not addressed by other LPWAN technologies. These benefits will enable the diverse use cases and business models that will enable deployments of large-scale LPWAN IoT networks globally.

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Alliance
Technology
Developers

Testimonials

The LoRaWAN technology is ideal to target battery operated sensors and low power applications as a complement to M2M cellular connectivity

Richard Viel
Chief Operating Officer of Bouygues

With LoRaWAN, entire cities or countries can be covered with a few base stations, no longer requiring the upfront rollout and maintenance of thousands of nodes as in traditional mesh networking. This has made IoT possible now, with minimal infrastructure investment.

Olivier Hersent
Chairman & CTO of Actility

To encourage the mass adoption of low cost, long range machine-to-machine connectivity, open ecosystems are critical. In addition to IBM's support of the LoRA Alliance we have also released the IBM 'LoRaWAN in C' as open source under the Eclipse Public License.

Dr. Thorsten Kramp
Master Inventor, IBM Research

LoRaWAN has taken inteliLIGHT, our already proven street lighting management solution, to a whole new level. The entire system becomes even easier and faster to install, with a minimal investment, unprecedented reach and unlimited Smart City applications. It truly is a game changer.

Mozes Lorand
CEO of FLASHNET

Low Power Wide Area (LPWA) Networks are an excellent connectivity solution. They complement well with existing M2M business.
In order to deploy dedicated solutions and sensors all around the world, an open standard is needed to ensure

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interoperability.Therefore, the LoRaWAN R1.0 protocol is a major step for the LoRa Alliance and its supporting members.

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Geert Standaert
Chief Technology Officer, Proximus

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