

Siemens Mobility, Inc.'s roadside unit is first to receive OmniAir Certification

- **Siemens' Sitrtraffic ESCoS roadside unit set to become a new industry standard for V2X technology**

Siemens Mobility, Inc. is pleased to announce it has received OmniAir Certification for its Sitrtraffic ESCoS roadside unit (RSU), the first roadside unit to receive OmniAir's commercial, connected vehicle certification. Siemens' RSU is one of the few RSUs today that meet U.S. Department of Transportation FHWA specification version 4.1. Now with OmniAir's certification, this roadside unit is well-positioned to become the established standard and a key component for V2X device communications today.

"Today's announcement firmly puts Siemens at the forefront of V2X technology," said Marcus Welz, head of Intelligent Traffic Systems at Siemens Mobility, Inc. "Everybody is eagerly waiting for V2X technology to become more widely available for use and with today's announcement we have reached another key milestone in standardization and interoperability. Our certified roadside units, combined with our readily-available suite of Connected Vehicle Applications, enable cities to significantly increase safety and reduce congestion."

The OmniAir certification program delivers an important level of assurance to Tier-1 suppliers, automotive OEMs, and local, state and federal departments of transportation looking to deploy V2X technology. With such a new, disruptive technology being deployed, it is critical to ensure a level of compliance with industry protocol standards and specifications. Third-party certification for conformance and interoperability of V2X devices are a necessary step for the public and elected officials to fully embrace connected and autonomous vehicles.

"OmniAir has developed a robust, vehicle-to-everything certification program focused on delivering trusted, interoperable devices to the market," said, Jason Conley, Executive

Director of [OmniAir Consortium](#). "Siemens Mobility, Inc. is the world's first company to have a roadside unit earn certification. Deploying agencies should feel confident in requesting OmniAir Certified V2X devices in their large-scale deployment projects, after this historic announcement."

V2X connectivity provides the information to enable safer driving, helping to prevent accidents caused by non-line-of-sight situations such as blind corners, bad weather, and poor lighting conditions. V2X applications like harmonized speed recommendation, travel time, route guidance, or public transit preemption significantly help to reduce congestion, and lower emissions through optimized mobility and traffic coordination.

The Siemens RSU detects information from infrastructure such as traffic signals, crosswalks, or highways, and then turns it into a transmitted message to oncoming vehicles equipped with onboard units receiving a dedicated short-range communications signal, producing video and audio warnings in the vehicles. In turn, the RSU can also process the location of equipped vehicles and provide them via the RSU to a Central Management System to coordinate the traffic in the intersection and throughout the region. This newly-certified RSU is currently being utilized in many key showcases for connected vehicle technology, including key USDOT CV pilot projects in Tampa and New York City. Siemens RSU recently successfully completed the USDOT CV Pilots Interoperability Testing as the only RSU representing THEA and NYCDOT pilots.

OmniAir Consortium is the leading industry association promoting interoperability and certification in ITS, tolling, IoT technologies and connected vehicles. Its certification program provides third-party qualified accredited laboratory testing and validation of DSRC-based V2X devices and test tools.

With digitalization, Siemens enables mobility operators to make cities, vehicles and infrastructure intelligent. Siemens Mobility, Inc., is a leader in Connected Vehicle and intelligent transportation technologies, and is working with cities including [Tampa, FL](#), [New York, NY](#), [Las Vegas, NV](#), Anaheim, CA, Columbus, OH and Madison, WI to design and deploy these types of intelligent systems. Siemens Mobility, Inc. is also a member of the USDOT Affiliated Test Bed for Connected Vehicle technologies, a group pursuing wide-spread deployment of wireless communication systems between vehicles and road infrastructure.

This press release and a press is available at www.siemens.com/press/PR2018090306MOEN

For more information about Siemens latest connected vehicle technology, please see www.usa.siemens.com/intelligenttraffic

Contact for journalists

Elizabeth Cho

Phone: +1 917-622-2413; E-Mail: elizabeth.cho@siemens.com

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Siemens Mobility is a separately managed company of Siemens AG. As a leader in transport solutions for more than 160 years, Siemens Mobility is constantly innovating its portfolio in its core areas of rolling stock, rail automation and electrification, turnkey systems, intelligent traffic systems as well as related services. With digitalization, Siemens Mobility is enabling mobility operators worldwide to make infrastructure intelligent, increase value sustainably over the entire lifecycle, enhance passenger experience and guarantee availability. In fiscal year 2017, which ended on September 30, 2017, the former Siemens Mobility Division posted revenue of €8.1billion and had around 28,400 employees worldwide. Further information is available at: www.siemens.com/mobility.