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Press

Siemens Mobility GmbH

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Siemens Mobility to upgrade more than 11,000 communication radios for Network Rail

- **36 million Euro contract awarded**
- **Upgrade Network Rail's entire Great Britain rolling stock fleet**
- **Interference Resistant**
- **Remote Condition Monitoring (RCM) and Connected-Driver Advisory System (C-DAS) capability**

Siemens Mobility has been awarded a 36 million Euro contract by Network Rail, one of the largest rail infrastructure providers in Great Britain, to upgrade the GSM-R cab radios of the entire Great Britain rolling stock fleet. The upgrade will begin in October with each of the 9,052 driving cabs being upgraded over the next 30 months and will be completed in March 2022. In addition, Siemens Mobility will deliver 1,948 spare communication radios, for a total of 11,000. Each train will be equipped with Siemens Mobility's V4.0 model cab radio, which will provide train operators with improved interference resistant, communication quality and performance.

"Our program to upgrade over 11, 000 GSM-R cab mobiles to V4.0 will deliver significant benefits to passengers and the railway. It will resolve the rail safety risk and performance impact attributed to interference on the railway from public mobile network operators and enable them to improve their coverage for passengers at locations where we have asked them to turn down their coverage or power," stated Simon Atterwell, Director, Network Rail Telecom.

"The program also provides the opportunity to explore additional railway applications such as GPS location data for train positioning location and the trial of a track remote condition monitoring application. We look forward to working closely with

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train and freight operating companies, and Siemens Mobility, in the delivery of this nationally important program," Atterwell added.

"We're proud to support one of the Great Britain's largest rail networks with the latest communication upgrades. With digitalization, we're enabling Network Rail's intelligent infrastructure and increasing value sustainably over the lifecycle of the radios. The system will not only improve communications, but also has the potential for sustainability benefits as well," stated Michael Peter, CEO of Siemens Mobility.

Siemens Mobility has completed a series of trials with Network Rail to demonstrate and prove the GB version 4.0 software and Nexus hardware. Covering more than 100 trains, the trials were undertaken over a 2-month period and successfully concluded in January 2019. They achieved an average mean time between failure in excess of 50,000 hours.

At the same time, Network Rail has been working with Siemens Mobility to evaluate the use of Nexus RCM, an application that effectively creates a digital representation of the condition of the track assets, gathering data on the condition of the rail, in real-time, to enable targeted preventative maintenance to take place.

This press release is available at www.siemens.com/press/PR2019040243MOEN

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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 2018, which ended on September 30, 2018, the former Siemens Mobility Division posted revenue of €8.8 billion and had around 34,200 employees worldwide. Further information is available at: www.siemens.com/mobility.