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Vectron DC: unlimited homologation for Poland

- This is the second national homologation for the Vectron in Europe
- Preliminary homologation has already been issued in Sweden

The 3 kV DC variant of the Vectron, the next generation locomotive, has been issued unlimited homologation for Poland. This is the second national homologation for the Vectron in Europe, with unlimited homologation having previously been issued for Romania. Preliminary homologation has also been obtained in Sweden. Homologation runs have already been completed for Germany, as have the network access runs for Austria. The homologation process for Switzerland, Italy and The Netherlands is also underway.

The Vectron DC has received homologation for Poland.

In addition, the Vectron locomotive family also recently received its EC Certificate. This means that Vectron fulfills the requirements set out in the Technical Specification for Interoperability (TSI) for rolling stock operating on the trans-European high-speed rail system (TSI HS RST), making it the first locomotive platform to be certified according to this specification in Europe. On the basis of this

certificate, the Vectron can be approved for operation in all EU states. Additional evidence only has to be provided for compliance with applicable national requirements not covered by the TSI.

Vectron is the first locomotive platform to be certified according to TSI HS RST in Europe.

Vectron DC is the single system locomotive for a catenary voltage of 3 kV DC. The locomotive has a power at the wheel of 5,200 kW and a service weight of only 80 t. During tractive effort test runs in Poland, a coal train weighing roughly 3,800 metric tons was able to be started up a 6‰ gradient between Zawiercie and Warsaw without any problems. In a further test with 4,000 metric tons on level track, it reached a speed of 15 kilometers per hour (km/h) after just 200 meters. A shunting module is available for the Vectron DC for operation without catenary, which allows “last-mile” operation even without an additional diesel shunting locomotive.

The test runs in Poland were carried out with two Vectron DC locomotives. Locomotive 193 951 was in service at DB Schenker Rail Poland and ITL. Its sister locomotive, 193 952, was used for the same purpose by PKP IC in intercity service between Warsaw and Kraków with a top speed of 160 km/h. The route was operated twice daily, covering a total distance of 1,250 km. Both units covered a total of 80,000 km in Poland. Locomotive 193 951 will be on show to visitors at Innotrans 2012 in Berlin.

Vectron 193 951 with a new look. At InnoTrans 2012, this locomotive will advertise the modular service concept, Railcover. Ranging from support via phone, mobile service technicians, right through to full service contracts – every level of customer support is able to be provided.

The pictures are available at:
http://www.siemens.com/railsystems-pictures/TSI-Certificate

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