New OCIT standard simplifies control center communication in traffic control systems

With the new interface definition OCIT-C (Open Communication Interface for Road Traffic Control Systems – Center to Center), the OCIT Developer Group (ODG), of which Siemens Mobility is a member, has rounded off the OCIT standard together with PTV, Schlothauer & Wauer. The additions cover the functionality for the communication between central traffic control and information systems. OCIT-C and the existing interface OCIT-O for the communication of control centers to field equipment now provides a complete, standardized description of interfaces for horizontal and vertical communication for traffic control. OCIT-C is a response to the current requirements of the market. The interface is designed for general use and is aligned to practical requirements. Thanks to its low implementation costs, it is also suitable for solutions with users who do not have large budgets.

The interface definition describes the structure of the data to be exchanged as well as the common protocol and the functionality. A characteristic feature of this interface is the complete coverage of all requirements from the field of traffic control systems – all the way from traffic control to higher-level traffic management.

Responsibility for the OCIT-C communication modules was transferred to the ODG, where they are available to all interested users free of charge. By doing so, the participating companies are consistently following a path of common standardization for traffic control systems in the German-speaking region.

The OCIT-C interface definition was submitted by the ODG and their partners PTV and Schlothauer & Wauer to the DKE (Deutsche Kommission Elektrotechnik Elektronik Informationstechnik im DIN und VDE) for standardization.
OCIT interfaces form the basis of an open system architecture. They focus on standardized connections between distributed central and remote components such as subsystems, tools and outdoor equipment. They permit the design and easy test of heterogeneous traffic control and management systems of different manufacturers in system-wide networks that include field equipment and control centers.

The press release is available on the internet at:
www.siemens.com/mobility/press/pressreleases

Photos accompanying this press release can be found at:
www.siemens.com/mobility-pictures/OCIT

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