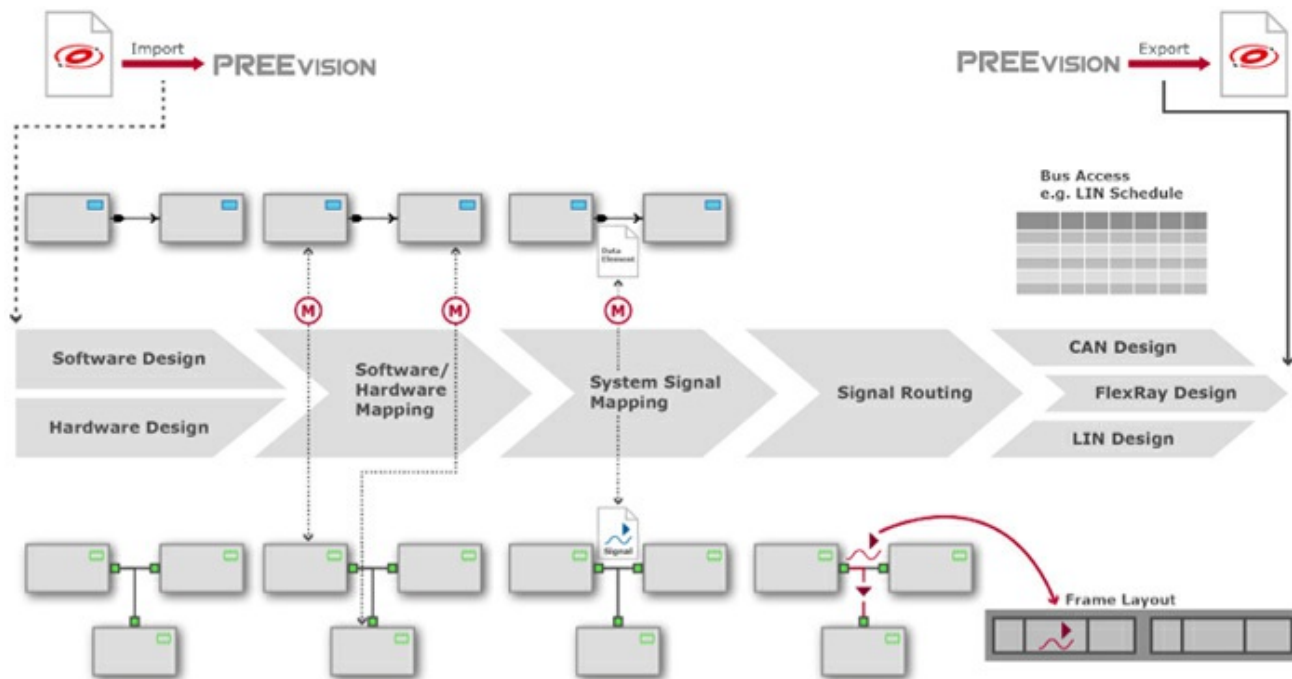


CAN Newsletter Online

DEVELOPMENT PLATFORM

CAN FD support for designing networks

Version 7.0 of Preevision is available from Vector (Germany). The development platform enables designing and implementing network communication for bus systems based on the CAN FD, Flexray, and LIN protocols.



The communication layer was restructured to support an easier design of the bus systems (Photo: Vector)

THE DEVELOPMENT PLATFORM NOW LETS USERS SPECIFY Flexray networks with a Flexray scheduling editor. Data can be exchanged with project partners using enhanced Fibex and Autosar import and export functions. This version also supports CAN FD and LIN and is able to process CAN multiplex signals. CAN FD and CAN Multiplexing are supported by GUI functions and by the DBC and Autosar import and export.

The CAN Bus Editor and the Frame Compiler are additional tools for CAN design. The CAN Frame Editor provides an overview of CAN frames. The CAN Bus Editor allows to display and edit the communication matrix on one bus segment. It provides an overview of the CAN network routing and allows to specify transmissions as well as create and edit routings. The CAN TP Editor provides an overview of CAN transport configurations and also allows to edit CAN transport configurations.

Additional features have been added for the vehicle electrical distribution concept design application case to improve the graphical representation of wire harnesses and connectors. The application server now supports additional IT requirements such as Public Key Infrastructure (PKI) and Websphere.

One new feature is the representation of connectors in geometric layout diagrams. Detailed graphical representations of segment intervals also help the user in defining cable segments. Filters and tables in diagrams round out the features for this application case. The Websphere platform serves as an operating environment for the application server. A Public Key Infrastructure (PKI) enables secure and reliable authentication in sensitive business networks.