

CANoe.IP Simulates Traffic Scenarios in Car2x Communication

The development and test tool from Vector supports ASN.1 interpretations in Car2x networks



Stuttgart, 2010-07-08 – To flexibly interpret the CAM and DENM messages transmitted in Car2x communication, CANoe.IP now supports the ASN.1 description format that is used. As a result, the development and test tool from Vector can simulate traffic scenarios with vehicles and the infrastructure. It also simplifies development and testing of Car2x communication.

In developing Car2x applications such as a traffic jam warning system or intersection assistant, the Cooperative Awareness Message (CAM) and Decentralized Environmental Notification Message (DENM) are often interpreted differently in practice. CANoe.IP imports message formats defined by the description language ASN.1. This lets the user select the ASN.1 file for a specific project, and received messages and their values can immediately be displayed, analyzed, checked for accuracy or logged. Users without ASN.1 knowledge will also benefit from this support.

The rapid development of Car2x technology has resulted in an ongoing need for new messages and their advanced development. Due to the many partners involved, such as the “CAR 2 CAR Communication Consortium,” European Telecommunications Standards Institute ETSI TC ITS, and many other German and European projects, difficulties are still encountered due to different interpretations or versions. The use of CANoe.IP minimizes such problems.

For more information on the Internet go to: www.vector.com/car2x



[Figure: CANoe.IP simulates a traffic scenario; this example is based on a traffic jam warning that is received.]

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About Vector Group (Revised: July 1, 2010):

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Customers from the automotive engineering, the commercial vehicle, transportation and control technologies around the world trust in the solutions and products from the independently-owned Vector Group.

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