OSS Nokalva ASN.1 Tools Selected for Connected Vehicle Proving Center

Somerset, New Jersey (February 5, 2008) - The OSS ASN.1 Tools have been selected by the Center for Automotive Research (CAR) for use in the Connected Vehicle Proving Center (CVPC).

Our vehicles are getting "connected." Technology advancements in wireless communication enable vehicles to communicate with each other, as well as with the infrastructure. The result is improved safety, mobility, vehicle performance and personal convenience. The CVPC is a cooperative venture between CAR and the Connected Vehicle Trade Association (CVTA) that tests, evaluates, and showcases connected vehicle systems by integrating connected vehicles, smart roadway infrastructure, and telecommunications technologies.

The CVPC offers a comprehensive test and evaluation suite to its partners for testing and validating connected vehicle systems and components. The CVPC also serves as a showcase for demonstrating the capabilities of connected vehicle systems. Applications of this technology include:

➢ Roadside units transmit data to vehicles warning drivers that it is not safe to enter an intersection.
➢ Vehicles, serving as data collectors, anonymously transmit traffic and road condition information to transportation agencies who then implement strategies to relieve traffic congestion.

One of the communications protocols used by connected vehicles is the Dedicated Short-Range Communications (DSRC) link. DSRC is a short- to-medium range wireless protocol specifically designed for automotive use. Information exchange between vehicles and roadside devices, as well as between vehicles, is based on SAE J2735 (DSRC Message Set Dictionary). SAE J2735 is an Intelligent Transportation Society (ITS) standard (under development), which supports interoperability among DSRC applications through the use of standardized message sets, data frames and data elements. The standard defines message formats in ASN.1 (Abstract Syntax Notation One) and provides a foundation for a variety of applications such as vehicle safety, collision avoidance, emergency vehicle warnings, and many others. The OSS Nokalva ASN.1 Tools for C, C++, and Java are used by the CVPC partners to develop applications which process ASN.1 messages.

"ASN.1 enables the development of a standards-based communication framework necessary to achieve interoperability among different vehicle and device manufacturers. The OSS ASN.1 Tools offer performance, reliability, and scalability, and OSS' skilled personnel deliver superior support services," explained Scott McCormick, President of the Connected Vehicle Trade Association. "These Tools add needed functionality to the CVPC, and their presence will help the Center attract additional partners and customers," added CAR's Steve Underwood, who serves as Director of the CVPC.

For more information about the OSS ASN.1 Tools, please visit www.oss.com or call +1 (888) 677-2761 (Toll free USA and Canada), + 1 (732) 302-0750 (International).

For more information about the CVPC visit www.cvpc.com.

About OSS Nokalva
Since 1988, OSS Nokalva Inc. (www.oss.com), with 800+ customers worldwide, has been a leading provider of ASN.1 solutions and services. OSS has been instrumental in shaping and developing both ASN.1 standards and technologies. Several OSS employees are active participants in the international ASN.1 Standards Groups and related committees. OSS Nokalva has extensive experience in porting to a variety of platforms – the ASN.1 Tools are available on more than 250 platforms including many embedded platforms.