

## **OSS Nokalva ASN.1 C Tools Chosen for .STAR (Secure ATM CDMA Software Defined Radio) Research Project**

Somerset, N.J., August 11, 2008 - The OSS ASN.1 C Tools have been chosen for use by researchers who are studying and validating STAR, a secure, scalable, wideband UMTS/3GPP communication system proposed to support future Air Traffic Management (ATM) communications. Many of the UMTS/3GPP protocols are already specified in ASN.1 and additional ASN.1 specifications are being developed for STAR. The OSS ASN.1 Tools provide the underlying highly reliable, high performance codecs that constitute the basic building blocs of this new system.

The STAR researchers chose the OSS ASN.1 C Tools for many reasons including the following:

- ◆ The OSS ASN.1 C Tools and services have a proven reputation for reliability and performance. For more than 20 years, OSS has been enhancing the Tools which are used by 900+ customers worldwide in a wide range of applications including mission-critical applications such as telecommunications and aviation.
- ◆ The OSS ASN.1 C codec provides the highest encoding/decoding performance of any ASN.1 tools currently available.
- ◆ The powerful ASN.1:2002 capable compiler takes ASN.1 specifications as input, and generates easy to use C language data structures plus control tables for encoding/decoding. Extensive diagnostic capabilities minimize development time and effort.
- ◆ The OSS ASN.1 C Tools are available on over 250 platforms and can be quickly and reliably ported to a customer's platform of choice. STAR researchers required support for a Linux/Intel platform which was already available and a Greenhills Integrity/Xilinx PPC 405 platform., for which OSS ported the ASN.1 C Tools.

For more information, please visit [www.oss.com](http://www.oss.com), call +1-888-677-2761 (toll-free USA and Canada), +1-732-302-0750 (international), or email [info@oss.com](mailto:info@oss.com).

**About STAR, [www.ist-star.eu](http://www.ist-star.eu)**

Studies have shown that European and U.S. ATM systems will begin to run short of communication capacity between 2010 and 2015. At European level, The International Civil Aviation Organization (ICAO) in the Aeronautical Communications Panel (ACP) workgroup has initiated an analysis and first selection of potential radio solutions. The UMTS 3GPP Wideband CDMA standard has been identified officially as a candidate. One of the reasons for the choice of UMTS is the availability of many components and software protocol stacks. The STAR project was initiated to study and validate a secure, scalable, wideband UMTS/3GPP communication system (including avionics modems and ground communication infrastructure) for a future ATM system.

**About OSS Nokalva, Inc.**

[OSS Nokalva, Inc.](#), a privately held company located in Somerset, New Jersey, has been offering the highest quality standards-based software, support, and services since 1988. OSS has been instrumental in the development of ASN.1, XML, and Biometrics standards, and standards-based solutions. We support, on a 24x7 basis, an international customer base of more than 900 customers that includes leaders in telecommunications, security, finance, aviation, space, automotive, and government.