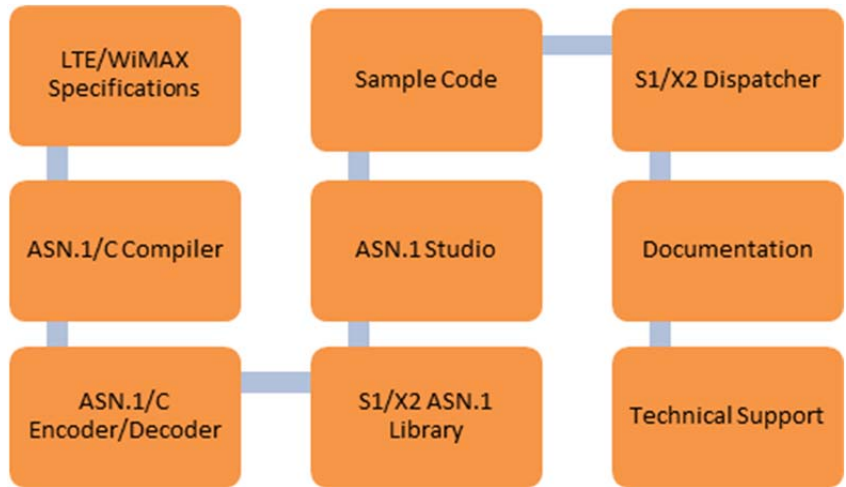




4G Is Here.

Are You Ready?

The **OSS Nokalva ASN.1 4G-Ready Tools** is a complete, easy to use 4G ASN.1 productivity kit, tailored to meet the needs of LTE & WiMAX developers. The 4G-Ready Tools are currently available on Windows and Linux. Other platforms are available on request.



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Get all you need to support ASN.1 4G development, all in one place, and all from a company whose commitment to quality and service you know you can rely on.

COMPONENT	FEATURES
LTE/WiMAX ASN.1 Specifications	LTE Rel 8 (8.7.0), and 9 (9.4.0) S1, X2, RRC, as well as IEEE 802.16m ASN.1 specifications
ASN.1/C Compiler	Powerful ASN.1:2008 capable compiler
ASN.1/C Encoders/Decoders	Industry-proven, reliable ASN.1 runtime libraries capable of unparalleled encoding/decoding speed
ASN.1 Encoding/Decoding Samples	Sample code showing how to encode/decode 3GPP LTE S1, X2 and RRC, as well as IEEE 802.16m data using the OSS ASN.1 runtime
ASN.1 Studio™	ASN.1 IDE that further simplifies the 4G development. Includes custom projects and sample messages for 3GPP LTE S1, X2 and RRC, as well as IEEE 802.16m
S1/X2 ASN.1 Library	Shields S1/X2 developers from low-level ASN.1 data structures manipulation
S1/X2 Dispatcher	Manages low-level SCTP communication, synchronous and asynchronous S1/X2 calls, matches S1/X2 requests and responses on the server side, handles S1/X2 timeouts
S1/X2 API Samples	Sample code showing how to create messages using the S1/X2 ASN.1 Library API, as well as how to send synchronous/asynchronous messages using the S1/X2 Dispatcher API
Documentation	API and Getting Started user manuals
Technical Support	24 hours a day, 7 days a week

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4G-Ready Tools - eNodeB Productivity Support

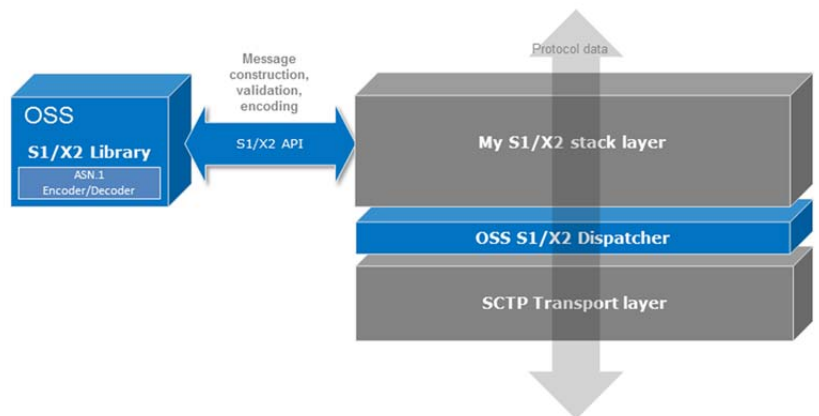
The OSS ASN.1 4G-Ready toolkit goes beyond support for low-level ASN.1 development. The kit includes several runtime libraries that ease your implementation of 3GPP LTE S1 and X2 protocols for eNodeBs/MMEs.

**WITH SUPPORT FOR
LTE REL 8 AND 9**

All S1/X2 components can be easily ported to any platform; the underlying OSS ASN.1/C encoder/decoder library has been ported to more than 250 platforms.

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Tools Today**

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The **S1/X2 ASN.1 Library** is a wrapper around the ASN.1 encoder/decoder, which automates common tasks associated with protocol messaging. The Library reduces your development effort by providing a set of functions that address S1 and X2 data interpretation and construction tasks, thereby shielding S1/X2 developers from low-level ASN.1 data structure manipulation.

The **S1/X2 Dispatcher** shields you from managing low-level SCTP communication. The OSS Dispatcher handles synchronous and asynchronous S1/X2 calls, matches S1/X2 requests and responses on the server side and takes care of timeouts as specified in the S1/X2 standard documents.

By using our proven OSS ASN.1 encoders/decoders, and continuing OSS' long tradition of developing software highly optimized for embedded systems, the S1/X2 ASN.1 Library and Dispatcher make it possible to deploy LTE stacks on different types of platforms, from resource constrained eNodeBs to high performance MMEs.

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