

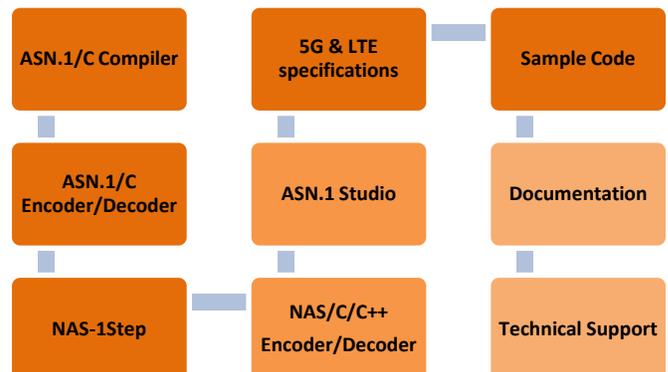
5G is here.

Are you ready?

The **OSS Nokalva 5G/LTE development tools** are a complete, easy-to-use 5G/LTE ASN.1 and NAS product suite tailored to meet the needs of 5G/LTE developers. The 5G/LTE Tools are currently available on Windows, Linux, macOS, and several embedded platforms. Other platforms are available on request.

Get All You Need

Get all you need to support 5G/LTE ASN.1 and NAS development, all in one place, and all from a company whose commitment to quality and service you know you can rely on.



OSS NAS Tools for C, C++, C#, Java, and Python

The tools include libraries that allow:

- Serialization and deserialization of NAS messages.
- Conversion of binary NAS messages to XML or JSON format.
- Conversion of JSON or XML NAS messages to binary NAS format.
- Copying and comparing unencoded or decoded NAS messages.

NAS-1Step

Create, view, and edit NAS messages using this visual application.

5G & LTE Products – More than Low-Level ASN.1 Support

The **OSS 5G & LTE Products** go beyond support for low-level ASN.1 development. These products offer several components designed to ease your implementation of **NAS** protocols for UEs and networks.

5G/LTE NAS Support

The **OSS NAS Tools** facilitates the creation of applications that implement the NAS protocol by taking care of all the unique NAS message serialization aspects such as required and optional information elements, bitlevel format of each type of information element, bit order, half-octet order, and so on. A developer using this encoder/decoder will handle a set of C structures generated by OSS' ASN.1/C compiler and will make simple calls to encode and decode functions as well as auxiliary API functions as needed.

Current users of OSS' ASN.1/C Tools will feel at home with the OSS NAS encoder/decoder API because both the API functions and the C structures are very similar to those used with protocols specified in ASN.1.

NAS-1Step is a useful visual tool for system designers, application developers, testers, and anyone working with the NAS protocol.

NAS-1Step can be used for a range of activities:

- Display a NAS message in a collapsible tree view.
- Edit a NAS message.
- Create a set of NAS messages for testing purposes.
- Work simultaneously with messages that belong to multiple versions of the NAS (Non-Access-Stratum) protocol for 5G and LTE/EPC (3GPP TS 24.501, 3GPP TS 24.301).

5G & LTE PRODUCTS SUPPORT FOR 3GPP REL 8-16*

**Note: ASN.1 Studio, and the ASN.1/C, ASN.1/C++, ASN.1/Java, and ASN.1/C# Tools support any valid ASN.1 schema, including those from 3GPP Rel 8-16 and beyond.*

OSS' 5G & LTE Products can be easily ported to any platform because OSS has already ported the underlying ASN.1/C encoder/decoder library to more than 500 platforms.

Download Your Free Trial Today

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