
SA 3GPP Enabler Module

Release Notes

Applies to Product Release: 03.00.01.00
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Overview

This document provides the release information for the latest Security Accelerator Sub-System (SASS) 3GPP Enabler Module. Although SASS supports 3GPP specific Ciphering and Authentication algorithms such as Kasumi F8/F9 and Snow3G F8, those algorithms are locked out in the standard SA LLD distribution. This module contains the API function to enable 3GPP related functionalities at SA sub-system that should only be used by those with ETSI licensing as described at <http://www.etsi.org/services/security-algorithms/cellular-algorithms>.

SA 3GPP module includes:

- Compiled library (Big and Little) Endian of SASS 3GPP enabler.
- Sources
- API reference guide
- Software Manifest Documentation

This release notes is for SA 3GPP Enabler version 3.0.1.0(3_0_1_0)

LLD Dependencies

- Build dependency:
 - o None
- Functionality dependency
 - o SA 3GPP enabler needs SA LLD released along with MCSDK 3.1 (or higher) to enable the 3GPP functionalities in the hardware.

Label and Version Information

Table 1 lists the software label and versions supported by this release.

Table 1 Label and versions supported by this release

Label/Version Information
SA3GPPENABLER.03.00.01.00

Resolved Incident Reports (IR)

Table 2 provides information on IR resolutions incorporated into this release.

Table 2 Resolved IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
SDOCM00120908	Major	ARM RTOS Library support for SA 3gpp Enabler

Known Issues/Limitations

Table 3 Known Issue IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description

Migration Information

- Starting from MCSDK 3.1, SA LLD is packaged within MCSDK.
- SA3GPP installation should be installed within “SA LLD” installation as recommended by the installer. Please see Installation instructions as provided below in this document.
- SA3GPP ARMV7 library is located under “sa/sa3gppEnabler/lib/armv7” folder.
- SA3GPP package for DSP should be loaded in the RTSC configuration file as below
 - *var Sa3gpp = xdc.loadPackage('ti.drv.sa.sa3gppEnabler');*

New/Updated Features and Quality

Release 3.0.1.0

- Release supporting ARM RTOS libraries for KeyStone devices.

Release 3.0.0.0

- Release supporting k2k, k2h, k2l and k2e devices

Release 2.0.1.4

- Production release supporting Multiprocess for SA LLD

Release 2.0.0.5

- Beta Release

Release 2.0.0.4

- Initial release.

Release 1.0.0.0

- Initial release.

Licensing

Please refer to the software Manifest document for the details.

Delivery Package

The delivery package from Texas Instruments will be delivered as follows:

```
setupwin32_sa3gpp_<SA3GPP_Version>.exe  
setuplinux_sa3gpp_<SA3GPP_Version>.bin
```

Installation Instructions

Installation guidelines

The steps to be followed for installation of the SA 3GPP Enabler release are as follows:

1. Download the release executable
2. Run the executable file; follow the instructions and install the SA 3GPP enabler software into the corresponding PDK packages. For example, c:\ti\pdk_keystone2_<Version>. This installs the SA 3GPP enabler under c:\ti\pdk_keystone2_<Version>/packages/ti/drv/sa

Customer Documentation List

Table 4 lists the documents that are accessible through the /docs folder on the product installation CD or in the delivery package.

Table 4 Product Documentation included with this Release

Document #	Document Title	File Name
1	API documentation (generated by Doxygen)	sa3gppEnabler\docs\doxygen\html\index.html
2	Release Notes (this document)	sa3gppEnabler\docs\ReleaseNotes_SA_3GPP.pdf
3	Software Manifest document	sa3gppEnabler\docs\SA_3GPP_2_0_SoftwareManifest.pdf