

## Product Change Notification

**Topic** SARA-N200 / SARA-N210 / SARA-N211 / SARA-N280 "02" Firmware Update  
UBX-18048558

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### 1 Affected Products

Product Name	Order Code	Type No (Old)	Type No (New)	Remarks
SARA-N200	SARA-N200-02B	SARA-N200-02B-00	SARA-N200-02B-01	
SARA-N210	SARA-N210-02B	SARA-N210-02B-00	SARA-N210-02B-01	
SARA-N211	SARA-N211-02X	SARA-N211-02X-00	SARA-N211-02X-01	
SARA-N280	SARA-N280-02B	SARA-N280-02B-00	SARA-N280-02B-01	

### 2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

### 3 Description of Change

A new firmware release is available for the affected products and will be applied in production according to the Schedule below. The changes made on the firmware are as follows:

- [u-blox id 253] Faster network registration using a roaming SIM. The first time module attempts a network registration in "automatic operator selection" mode (AT+COPS=0), the registration procedure is completed in 1- 2 minutes.
- [u-blox id 212] Added the URI verification while configuring the COAP profile. This allows the current profile to be edited and used without having to store and restore the profile before using it.
- [u-blox id 247] COAP block transfer for GET, PUT and POST requests added in the +UCOAPCD and +UCOAPC AT commands. For more details see SARA-N2 series AT commands manual [1].
- [u-blox id 276] Added the +CGAUTH AT command to set the APN with user name and password. For more details, see SARA-N2 series AT commands manual [1].
- [u-blox id 241] The COAP profile can be stored by means of the +UCOAP AT command and then restored before it can be used.
- [u-blox id 251] Error result codes updated. The "RING" URC is not issued by the module.
- [u-blox id 238] Support of group hopping feature according to 3GPP TS 36.211.

- [ublox id 245] Resolved known limitation on the Non-IP data delivery that caused the downlink messaging to work only for the first message (see Annex B in the SARA-N2 IP Information Note [4])
- Network search optimizations for inter-frequency networks.

The firmware version can be identified according to the type number, as follows:

Old type number	Current firmware version	New type number	New firmware version
SARA-N200-02B-00	Modem: 06.57 Application: A07.03	SARA-N200-02B-01	Modem: 06.57 Application: A09.06
SARA-N210-02B-00	Modem: 06.57 Application: A07.03	SARA-N210-02B-01	Modem: 06.57 Application: A09.06
SARA-N211-02X-00	Modem: 06.57 Application: A07.03	SARA-N211-02X-01	Modem: 06.57 Application: A09.06
SARA-N280-02B-00	Modem: 06.57 Application: A07.03	SARA-N280-02B-01	Modem: 06.57 Application: A09.06

The modem and application versions can be polled from the module by sending the ATI9 command. For details, see the SARA-N2 series AT commands manual [1]. The firmware is fully tested and has passed all the release tests in u-blox.

## 4 Schedule

<b>Firmware</b>	Available
<b>First Shipment Date</b>	3-Sep-2018

## 5 Customer Impact and Recommended Action

Product with the new type number is functionally equivalent to its predecessor. Changes implemented in the new firmware are not relevant to certifications and certification grants already achieved remain valid.

It is possible to upgrade the type numbers units to the new firmware:

- SARA-N200-02B-00
- SARA-N210-02B-00
- SARA-N211-02X-01
- SARA-N280-02B-00

u-blox has taken utmost care to ensure full backward compatibility to the previous version. A system check before deployment in production is however still recommended.

## 6 Known bugs and limitation

See the SARA-N2 IP Information Note [4].

- [u-blox id 321] The module disables the Power Save Mode (PSM) by means of the AT+CPSMS=2 command but the PSM settings are not reset to the factory-programmed values. Workaround: the factory-programmed PSM setting shall be set by means of the AT+CPSMS=1,,,<Requested\_Periodic\_TAU>,<Requested\_Active\_Time>]]]] command.

## 7 Reference Documents

- [1] SARA-N2 series AT Commands Manual, u-blox document UBX-16014887
- [2] SARA-N2 series System Integration Manual, u-blox document UBX-17005143
- [3] SARA-N2 series Data Sheet, u-blox document UBX-15025564
- [4] SARA-N2 IP Information Note, u-blox document UBX-18005015