

## Product Change Notification

**Topic** LARA-R211-02B Product Change Notification  
UBX-17054295

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### 1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
LARA-R211	LARA-R211-02B	LARA-R211-02B-00	LARA-R211-02B-01	

### 2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

### 3 Description of Change

As of the date indicated in the schedule below, a new firmware release will be applied to the affected products in production.

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
LARA-R211-02B-00	Modem: 30.31 Application: A01.00	LARA-R211-02B-01	Modem: 30.49 Application: A01.01

For full details of changes contained in this new version, see Annex A.

The modem and application version can be polled from the module by sending an AT+GMR and ATI9 commands. See u-blox AT commands manual [1] for details.

The firmware is fully tested and passed all the release tests in u-blox.

### 4 Schedule

Samples	Estimated First Shipment Date
	18-Sep-2018

### 5 Customer Impact and Recommended Action

Product with new type number (LARA-R211-02B-01) is functionally and pin-to-pin compatible with its predecessor (LARA-R211-02B-00).

Please check with u-blox support to find out if paperwork is necessary to fully maintain approvals and certifications.

LARA-R211-02B-00 can be updated with new FW version 30.49 A01.01.

## 6 Known bugs and limitation

See LARA-R211-02B IP Information Note [2].

- [u-blox ID 3228] Do not abort the command AT+UPSDA=0,4 (internal context deactivation).
- [u-blox ID 3448] After a network detach with detach cause 8 "EPS services and not EPS services not allowed", the <type> value in +CEER AT command reports a wrong value "SM attach error".
- [u-blox ID 3761] A dial-up connection with automatic authentication (+UAUTHREQ) works only if the PDP context is previously activated with the +CGACT AT command.
- [u-blox ID 3955] The +UREG URC is not issued after a LTE registration. Workaround: poll with AT+UREG? command.
- [u-blox ID 4018] The IMS client activates as many PDP context as possible if the network assigns an APN other than the required "ims". Workaround: disable the IMS client and activate all needed PDP contexts and then activate the IMS client if needed.
- [u-blox ID 4171] The AT+CHLD=2 does not work properly on waiting call when active call is held by remote party

## 7 Reference Documents

- [1] u-blox AT Commands Manual, u-blox document UBX-13002752
- [2] LARA-R211-02B IP IN, u-blox document UBX-17054295
- [3] LARA-R2 series System Integration Manual, u-blox document UBX-16010573
- [4] LARA-R2 series Data Sheet, u-blox document UBX-16005783

## A Description of Changes

### A.1 Hardware

#### A.1.1 New features

No new features since the previous hardware version.

#### A.1.2 Changes and bugs fixed

- New PCB with new BOM has been introduced to manage product lifecycle (components that are in end of life have been replaced).

### A.2 Firmware

#### A.2.1 New features

- CellLocate<sup>®</sup>, Hybrid Positioning and GNSS via modem supported

#### A.2.2 Changes and bugs fixed

- [u-blox ID 3282] The module does not enter the power saving mode after an MT call if the UART interface is not connected.
- [u-blox ID 3518] It is not possible to set the proper static DNS of a private SIM for the internal context (+UPSD key missing). Internal ref. CA-028397
- [u-blox ID 3654] It is not possible to import a certificate (PEM format) with serial length of 20 bytes, it always returns the "+CME ERROR: USECMNG invalid certificate/key format" error result code. Internal ref. CA-032977, CA-028539, CA-032831.

Important Note: When updating the FW from IP to this PCN FW, it is needed to erase the File System (FOTA does not erase FS during an update) with the drawback of losing uploaded certificates. Such certificates have to be re-installed.

- [u-blox id 2149] The +CEREG URCs may display wrong information during a CSFB call.
- [u-blox id 2865] After the PIN insertion, the DUT registers even if AT+COPS=2 was issued before inserting PIN.
- [u-blox ID 4060] Under very rare circumstances, some units may lose their valid unique ID over their lifetime. To ensure permanent validity of the unique ID, a redundancy mechanism has been implemented in a new firmware.

### A.3 Certifications

- GCF for new product type number LARA-R211-02B-01 is available.
- RED grants already achieved LARA-R211-02B-00 are renewed for new product type number LARA-R211-02B-01.
- LARA-R211-02B-01 is Vodafone certified.