

## Product Change Notification

**Topic** TOBY-R200, TOBY-R202, LARA-R202, LARA-R203, LARA-R280 Firmware Update  
 UBX-18018067

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### 1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
TOBY-R200	TOBY-R200-02B	TOBY-R200-02B-01	TOBY-R200-02B-02	
TOBY-R202	TOBY-R202-02B	TOBY-R202-02B-01	TOBY-R202-02B-02	
LARA-R202	LARA-R202-02B	LARA-R202-02B-00	LARA-R202-02B-01	
LARA-R203	LARA-R203-02B	LARA-R203-02B-00	LARA-R203-02B-01	
LARA-R280	LARA-R280-02B	LARA-R280-02B-00	LARA-R280-02B-01	

### 2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

### 3 Description of Change

[u-blox ID 4060] Under very rare circumstances, some units may lose their valid unique ID over their lifetime. Without a valid unique ID, the module is unable to provide a valid IMEI to the network and consequently, registration to the network will fail. In such a case, the module will not be able to connect to the network. To ensure permanent validity of the unique ID, a redundancy mechanism has been implemented in a new firmware and will be released in production according to the schedule indicated below.

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
TOBY-R200-02B-01	Modem: 30.31 Application: A02.00	TOBY-R200-02B-02	Modem: 30.31 Application: A02.01
TOBY-R202-02B-01	Modem: 30.31 Application: A02.00	TOBY-R202-02B-02	Modem: 30.31 Application: A02.01
LARA-R202-02B-00	Modem: 30.42 Application: A01.00	LARA-R202-02B-01	Modem: 30.42 Application: A01.01
LARA-R203-02B-00	Modem: 30.39 Application: A01.00	LARA-R203-02B-01	Modem: 30.39 Application: A01.02
LARA-R280-02B-00	Modem: 30.43 Application: A01.01	LARA-R280-02B-01	Modem: 30.43 Application: A01.02

The modem and application version can be polled from the module by sending the AT+GMR and AT+I9 commands. See the u-blox cellular AT commands manual [1] for details. The firmware is fully tested and has passed all the release tests in u-blox.

## 4 Schedule

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<b>First Shipment Date</b>	04-Aug-2018
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## 5 Customer Impact and Recommended Action

Products with the new type number are functionally and pin-to-pin compatible with their predecessors. Changes implemented in the new firmware are not relevant to certification, and certification grants already achieved remain valid.

## 6 Known bugs and limitation

See the Information Notes [4], [5], [6], [7].

## 7 Reference Documents

- [1] u-blox AT Commands Manual, u-blox document UBX-13002752
- [2] LARA-R2 series System Integration Manual, u-blox document UBX-16010573
- [3] LARA-R2 series Data Sheet, u-blox document UBX-16005783
- [4] TOBY-R200-02B-00 / TOBY-R202-02B-00 Product Change Notification, u-blox document UBX-17048314
- [5] LARA-R202-02B IP Information Note, u-blox document UBX-17057959
- [6] LARA-R203-02B IP Information Note, u-blox document UBX-17048311
- [7] LARA-R280-02B IP Information Note, u-blox document UBX-17063950