

## Information Note

**Topic** NINA-B3 series reached Engineering Sample status  
UBX-18019418

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### 1 Affected Products

Product Name	Order Code	Software	Remarks
NINA-B301	NINA-B301-00B	N/A	Open CPU, no software included
NINA-B302	NINA-B302-00B	N/A	Open CPU, no software included
NINA-B311	NINA-B311-00B	v0.10.0	With u-blox connectivity software
NINA-B312	NINA-B312-00B	v0.10.0	With u-blox connectivity software
EVK-NINA-B301	EVK-NINA-B301	N/A	Open CPU, no software included
EVK-NINA-B302	EVK-NINA-B302	N/A	Open CPU, no software included
EVK-NINA-B311	EVK-NINA-B311	v0.10.0	With u-blox connectivity software
EVK-NINA-B312	EVK-NINA-B312	v0.10.0	With u-blox connectivity software

### 2 Type of Change

- Hardware modification
- Software update
- Documentation update
- Others

### 3 Description of Change

#### 3.1 NINA-B30 and NINA-B31 module hardware

The NINA-B30 and NINA-B31 modules and their corresponding Evaluation Kits are available as Engineering Samples, which means that they have gone through initial verification but not a full characterization. The modules are judged to be ready for country certification and Bluetooth qualification activities. There are no known limitations in the module hardware.



The NINA-B31 Engineering Samples have secure boot enabled, meaning that they cannot be downgraded to earlier prototype software versions. It will be possible to upgrade these modules with future releases of the u-blox connectivity software.



Older Prototype versions of the NINA-B31 modules cannot be upgraded to Engineering Sample software.

### 3.2 NINA-B31 module software

The NINA-B31 modules are pre-flashed with u-blox connectivity software, which simplifies integration in the end-product. The software version in the Engineering Sample modules supports the main features planned to be available at the start of production. The feature list comprises GATT server and client, u-blox Serial Port Service, Extended Data Mode, 2 Mbps modulation, long range mode, NFC tag, and GPIO control. The software will be continuously evolved and improved until initial production status is achieved.

### 3.3 Documentation updates

The following documents are now available:

Document	UBX number
NINA-B3 Data Sheet	UBX-17052099
NINA-B3 System Integration Manual	UBX-17056748
NINA-B30 Product Summary	UBX-17052930
NINA-B31 Product Summary	UBX-17052931
NINA-B3 Series Getting Started	UBX-18020603
EVK-NINA-B3 User Guide	UBX-17056481
EVK-NINA-B3 Quick Start Guide	UBX-18020772
u-blox Short Range Modules AT Commands Manual	UBX-14044127

## 4 Schedule

Engineering Samples will be available for customer orders from June 29 2018 onwards. Documentation is now available at [u-blox.com](http://u-blox.com).

## 5 Customer Impact and Recommended Action

It is recommended to review the updated documentation. Customers using NINA-B31 module prototypes are encouraged to update their hardware to Engineering Samples. This will allow them to make use of the latest u-blox connectivity software version as well as any future updates to the software.