

## PCN – Product Change Notification

<b>Topic:</b>	<b>NEO-M8L-0 firmware and support change in production</b>
	UBX-17049965
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### 1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
NEO-M8L	NEO-M8L-0	NEO-M8L-0-10	NEO-M8L-0-12	

### 2 Type of Change

- Hardware: none
- Firmware: new release, end of support for earlier release
- Others: labeling (type number and data code), documentation

### 3 Description of Change

This change notification replaces NEO-M8L-ADR410\_PCN\_(UBX-17013708) issued in May 2017. Results obtained during the sampling phase of the new release showed a reduction in DR positioning performance in specific circumstances after the product is restarted. As a result, a replacement upgrade will be introduced and availability of the old production part extended by a further three months. This release improves performance only; the specification and intended function of the product are unchanged.

#### 3.1 Firmware

From the dates indicated below, a new firmware release will be applied to the Affected Products in production. Downgrade to the earlier generation firmware (FW 2.01 ADR 3.11) will no longer be supported with these shipments. The version of firmware may be identified according to the Type Number as follows:

Product Type No	Firmware version	Remarks
NEO-M8L-0-10 (old)	FW 3.01 ADR 4.00	
NEO-M8L-0-12 (new)	FW 3.01 ADR 4.11	Downgrade to FW 2.01 ADR 3.11 no longer supported

For full details of firmware changes, please refer to the Reference Documents listed below.

## 4 Schedule

Samples:	25 Sep. 2017	Last Time Buy Date <sup>1</sup> :	N/A
Estimated First Shipment Date <sup>2</sup> :	2 Jan. 2018	Last Ship Date <sup>1</sup> :	N/A
Documentation:	4 Sep. 2017 *	FW (if applicable)	23 Aug 2017

\* Administrative update only

## 5 Customer Impact and Recommended Action

The new product is electrically compatible with the old product and physically conformant with the old specification.

The new product firmware functions in a very similar way and offers generally better performance in existing applications using common configuration settings. However, u-blox recommends that the customer confirm compatible behavior in their application as soon as samples or firmware become available.

Please refer to [1] NEO-M8L-0 (ADR4.11) Confidential Data Sheet (UBX-17004953) for details of the unique firmware identification string that can be used to identify this firmware release, by using message UBX-MON-VER. Note that a recent version of u-center or u-blox firmware update utility will be required to restore an upgraded product to its previous version of firmware.

For new designs, u-blox recommends that any qualification process is completed using parts with the new firmware.

## 6 Reference Documents

- [1] GNSS FW3.01 ADR4.11 Confidential Release Notes (UBX-17049932)
- [2] NEO-M8L-0 (ADR4.11) Confidential Data Sheet (UBX-17004953)
- [3] u-blox-8 / u-blox M8 Confidential Receiver Description (UBX-13002887)
- [4] NEO-M8L Confidential Hardware Integration Manual (UBX-16010549)

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<sup>1</sup> All orders for the old Type Number placed after the notification date are **non-cancelable** and **non-returnable (NCNR)**.

<sup>2</sup> The Estimated First Shipment Date is the forecasted date that a customer may expect to receive the changed product with the new Type Number. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, u-blox will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.