PCN – Product Change Notification

Topic:	**NEO-M8P firmware upgrade**
	UBX-17023320
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1   Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
NEO-M8P	NEO-M8P-0	NEO-M8P-0-10	NEO-M8P-0-11	FW upgrade
NEO-M8P	NEO-M8P-2	NEO-M8P-2-10	NEO-M8P-2-11	FW upgrade

2   Type of Change

[   ]   Hardware modification
[x]   Firmware update
[   ]   Others, _____

3   Description of Change

The affected products may be identified according to the type number as follows:

Current Product Type No	Current Firmware version	New Product Type No	New Firmware version
NEO-M8P-0-10	Flash FW 3.01 HPG 1.30	NEO-M8P-0-11	Flash FW 3.01 HPG 1.40
NEO-M8P-2-10	Flash FW 3.01 HPG 1.30	NEO-M8P-2-11	Flash FW 3.01 HPG 1.40

3.1   FW upgrade

From the date indicated in the schedule in section 0, a new firmware release will be applied in production to the affected products. The new u-blox M8 Flash Firmware 3.01 HPG 1.40 includes the Moving Baseline feature. For full change details, see HPG 1.40 Release Note [1], NEO-M8P Data Sheet [2], and other documents listed in section 6.

4   Schedule

Product type number	Samples availability date	Estimated first shipment date[1]
NEO-M8P-0-11	July 7th, 2017	September 8, 2017
NEO-M8P-2-11	July 7th, 2017	September 8, 2017

Documentation: See Reference Documents

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[1]   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.

5 Customer Impact and Recommended Action

The new product firmware introduces a new feature, support for the Moving Baseline setup. The new firmware functions in a very similar way as the old one. u-blox has taken all measures to insure HPG 1.40 is backward compatible with the FW HPG 1.30. However, u-blox recommends that the customer confirm compatible behavior in their application as soon as samples or firmware become available.

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

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

6 Reference Documents

[1]   u-blox M8 Flash Firmware 3.01 HPG 1.40 Public Release Note (UBX-17021504)

[2]   NEO-M8P u-blox M8 High Precision GNSS Modules Data Sheet (UBX-15016656)

[3]   NEO-M8P u-blox M8 High Precision GNSS Modules Hardware Integration Manual (UBX-15028081)

[4]   u-blox 8 / u-blox M8 Receiver Description including Protocol Specification (UBX-13003221)