

## PCN – Product Change Notification

<b>Topic:</b>	<b>FW2770 – PCI-D100-20S product change notification</b>
	UBX-14055186
<b>Author:</b>	smoi
<b>Date:</b>	15-Jan-2015

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express permission is strictly prohibited.

© 2014 u-blox ag.

### 1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Firmware (new)	Remarks
FW2770p	PCI-D100-20S	PCI-D100-20S-00	PCI-D100-20S-01	C 1.02V104	
FW2770p	PCI-D101-20S	PCI-D101-20S-00	PCI-D100-20S-01	C 1.02V104	GPS not supported

### 2 Type of Change

[  ] Hardware modification

[  ] Firmware update

### 3 Description of Change

Due to the end of life of the RF transceiver and memory used within the PCI-D100 product family, a new product version, PCI-D100-20S-01, which supports a new transceiver and memory (pin-to-pin compatible and functionally equivalent), has been released.

### 4 Schedule

Samples:	Available
Estimated First Shipment Date <sup>1</sup> :	30-Mar-2015

### 5 Customer Impact and Recommended Action

u-blox has taken utmost care to achieve the highest level of backward compatibility for PCI-D100-20S to its predecessors; a system test is however recommended.

Remark: modules the new FW C 1.02V104 cannot be downgraded back to previous versions of the firmware.

### 6 Reference Documents

[1] FW2770p-FW2763p\_DataSheet\_(UBX-13003545)

[2] FW27x\_ATCommandsManual\_(UBX-13003546)

<sup>1</sup> The Estimated First Shipment Date is the forecasted date that a customer may expect to receive 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.

## Annex A – Firmware changes respect to the previous version

- Driver changed to support the new components. The new firmware works either with the old or with the new transceiver and memory.
- Flash memory performance and robustness is improved [U\_FW277063-10/U\_FW277063-26].
- AT^IPOPEN? Command is updated to always return the correct response when all four sockets are used [U\_FW277063-50].
- AT^IPCALL=0 command is updated to not return "+CME ERROR: Invalid operation" when a call is terminated [U\_FW277063-49].
- AT+CMIP? and AT^IPCALL commands are updated to always return the same IP addresses [U\_FW277063-38].
- U\_FW277063-7: The previous issue, where at 160+ Characters for MO-SMS the device requested Service Option 15 (SO15) instead of correctly requesting Service Option 6 (SO6), is now fixed.
- NITZ behavior is improved in order to always update the Time Zone offset [U\_FW277063-6].

## Annex B – Known issues

- The AT^IPOPEN? Command doesn't work when a socket is opened in listening mode [U\_FW277063-61].
- The AT^IPCFF Set command only works with parameter 0 [U\_FW277063-42].
- AT+CCCLK? Does not return the correct Time Zone adjustment when the module is in EVDO-only mode. Time Zone adjustment is properly managed in EVDO+1xRTT mode.
- URC notification is not sent when the module is engaged in a data call and CDMA coverage is lost. Work-around: use +CAD and +VSER to periodically monitor the network status (for example every minute).