Product Change Notification	Date 7/01/2019
Products	Digi XBee Cellular Firmware Updates

☐ Technical Requirement	☐ Product Transition
☐ Customer Requirement	☐ Product Discontinuation
☐ Quality Improvement	☒ Product Enhancement
☐ Change of Production Location	☐ Other (Brand Change)

Audience	All Digi XBee Cellular customers	
Affected Part Numbers	**Affected SKU**	**Description of Affected SKU**
	XBC-V1-UT-001	Digi XBee Cellular LTE Cat 1, Verizon LTE Cat 1, Dual U.FL, TH, USA
	XBC-M5-UT-001	Digi XBee Cellular 3G, U.FL, TH, US/Canada/LATAM/EU
	XB3-C-A1-UT-001	Digi XBee3 Cellular Smart Modem, LTE CAT 1, North America
	XB3-C-A2-UT-001	Digi XBee3 Cellular Smart Modem, LTE-M/NB-IoT
	XKC-V1T-U	Digi XBee Cellular LTE Cat 1 Development Kit, Verizon LTE Cat 1, USA
	XK3-C-A1-UT-U	Digi XBee3 Cellular LTE Cat 1 Development Kit, AT&T
	XK3-C-A2-UT-U	Digi XBee3 Cellular Smart Modem, LTE-M/NB-IoT, Development Kit, AT&T
	XK3-C-N1-UT-E	Digi XBee3 Cellular Smart Modem, LTE-M/NB-IoT Development Kit
	XKC-M5T-W	Digi XBee Cellular 3G Development Kit, U.FL, TH, US/Canada/LATAM/EU
	XKC-V1T-U	Digi XBee Cellular LTE Cat 1 Development Kit, Verizon LTE Cat 1, USA

Change Description	Digi has released new XBee Cellular firmware revisions. The first release occurred on April 12, 2019 and included bug fixes and significant enhancements for Digi Remote Manager. A second release occurred June 19, 2019 for the Digi XBee Cellular LTE Cat 1 that includes new Telit LE866-SV1 firmware for bug fixes and RF performance enhancements. Digi also released a critical firmware update on May 15, 2019 for an issue in the u-blox cellular module in the Digi XBee3 Cellular LTE-M/NB-IoT Smart Modem. For a complete list of bug fixes, see the release notes for the product.

Firmware Release Date	XBee Firmware Revision	Change Description	Impacted SKUs

4/12/2019	• 1011
	• 11311
		• Cellular Network Time command (ATDT)
		• Enhanced support for Digi Remote Manager
		   o Filesystem support
		   o SM/UDP connection management: In order to minimize data charges for an inactive connection, the XBee will no longer maintain an active TCP connection to DRM. DRM will periodically be polled through Digi's SM/UDP protocol on an interval determined by the DF AT value (default of once per day). Requests to bring up and terminate a full-featured TCP connection can be made from DRM over SM/UDP.
		   o Configuration and status reporting
		• Active Scan command (ATAS) - scans for mobile cells in the vicinity and returns information about the cells in the service area of the XBee.
		• Bug Fixes
			• XBC-V1-UT-001 Rev L
			• XBC-M5-UT-001 Rev H
			• XKC-V1T-U Rev P
			• XKC-M5T-W Rev H

4/12/2019	• 31011
	• 11411
		• Cellular Network Time command (ATDT)
		• Enhanced support for Digi Remote Manager
		   o Filesystem support
		   o SM/UDP connection management: In order to minimize data charges for an inactive connection, the XBee will no longer maintain an active TCP connection to DRM. DRM will periodically be polled through Digi's SM/UDP protocol on an interval determined by the DF AT value (default of once
			• XB3-C-A1-UT-001 Rev F
			• XB3-C-A2-UT-001 Rev G
			• XK3-C-A1-UT-U Rev F
			• XK3-C-A2-UT-U Rev G
			• XK3-C-N1-UT-E Rev D

			per day). Requests to bring up and terminate a full-featured TCP connection can be made from DRM over SM/UDP.
			   o SMS-based connection management
			   o Configuration and status reporting
			   o Data point creation and upload using MicroPython
			   o Device health metrics reporting via DRM
			   o Data service device request handling with MicroPython
			• Active Scan command (ATAS) - scans for mobile cells in the vicinity and returns information about the cells in the service area of the XBee.
			• Bug Fixes	

	5/15/2019	• 11411	• Contains u-blox cellular module firmware update to address critical issue	• XB3-C-A2-UT-001 Rev H • XK3-C-A2-UT-U Rev H • XK3-C-N1-UT-E Rev E
	6/19/2019	• 1012	• Updated Telit LE866-SV1 module firmware v23.00.006 with RF performance improvements • Bug fixes	• XBC-V1-UT-001 Rev M • XKC-V1T-U Rev R

Recommended Actions	Digi recommends that customers update all XBees listed in this PCN to the latest available firmware. XCTU should be updated to latest version prior to updating XBee modules.

Quality Issues	None
Authorization	Kyle Sporre, Product Manager