

**“BMX NOR 0200H” FIRMWARE HISTORY**

**See "Unity Loader - A SoCollaborative Software User Manual" for firmware upgrading procedure**

Version #	Date of Publication	Internal reference	Description
SV1.7 IR20	10/2019	PEP0539866R	<p><b>Issue Description:</b> For a Read Class 0/1/2/3 request from SCADA, at communication reconnection or periodic integrity check, NOR is sending the DNP3 points mapped in the M580. If the current value of PLC register type INT is linked to an Analog point Input 16 bits, with a value &lt; 0, NOR respond with an Over-range flag and provide the default value 32767.</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b> None</p>
		PEP0531288R	<p><b>Issue Description:</b> When the same XML file is imported multiple times, the message "File Import Fail" or "Import not success" gets returned. This results in the FTP session freezing.</p> <p><b>Recovery:</b> Power cycle this NOR module</p> <p><b>Workaround:</b> None</p>
		PEP0546313R	<p><b>Issue Description:</b> This issue is DNP3 AO value inconsistency upon Integrity Data Poll in virtual clients (multiple clients). To change the analog output value by unity application, read back data throught Integrity data poll from virtual clients is not updated (no issue on master clients).</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b> None</p>
SV1.7 IR19	03/2019	PEP0464548R	<p><b>Issue Description:</b> Issue is on DNP3 Analog Output when flag is changed and configured as "synch on demand" mode, the value via Integrate Poll is different with the value via event. For example, AO value is changed from 10 to 20 by DNP3 master, and flag is 1. Then user changed flag bit to 0. User will observe point event value is 10 and flag is 0, while integrate Poll value is 20 and flag is 0.</p> <p><b>Recovery:</b> None</p>

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			<b>Workaround:</b> Not using flag bit controlled by programming in CPU
		PEP0433881R	<p><b>Issue Description:</b> Cyber security issue with the default FTP account. The default FTP user account cannot be deleted, and the password cannot be changed in the FTP Security web page.</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b> None</p>
		UNITY00089977	<p><b>Issue Description:</b> Analog out flag bit (configured by ARRAY format) is not correct in case of synch on demand mode and NOR works as DNP3 server/slave. Only first flag bit associated with first value in ARRAY structure (check by event or intergrate Poll) is correct, all other points flag bits in ARRAY are not correct.</p> <p><b>Recovery:</b> None</p> <p><b>Workaround:</b> Not use ARRAY format for Analog Out point in this case</p>
		PEP0488266R	<p><b>Enhancement:</b> customer's identifiers "230"(without a timestamp) and "231"(with a timestamp) of standard IEC 60870-5-104. Custom ID 230/231 are both for 64-bit points for double floating type. RTU shall repeat 64-bit points 4 bytes data from remote slave side to SCADA side.</p>
<b>SV1.7 IR18</b>	<b>11/2018</b>	PEP0474774R	<p><b>Issue Description:</b> Fixed a defect that occurs when a BMXNOR0200H that is connected to a PSTN modem using the serial connection. The ‘Dial In’ operation could fail after the first try. When this occurs, the Modem is unable to get a response from the BMXNOR0200H. If the user resets the module, the operation will work for one time and fail again.</p> <p><b>Recovery:</b> Click "Reset Communication" on Web page or power cycle the BMXNOR0200H</p> <p><b>Workaround:</b> None</p>
<b>SV1.7 IR17</b>	<b>08/2018</b>	PEP0434896R	<p><b>Issue Description:</b> Fixed a defect about DNP3 Server channel swaps when Ethernet cable is disconnected and reconnected. When customers configure multiple DNP3 Server channels (with IP address configured for each channel), sometimes the channel will be swapped when the cable for one of servers is disconnected and reconnected.</p>

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			<p>Example - Assuming IP address A is configured on Channel 0 for SCADA A, IP Address B is configured on Channel 1. When ethernet cable of A is disconnected and reconnected, customer will observe SCADA A will connect to Channel 1. There is no impact on communication even channel swapped after cable reconnected.</p> <p><b>Recovery:</b> Cold restart BMXNOR0200H module</p> <p><b>Workaround:</b> None</p>
		NA	Add C_SE_NB and C_SE_NC multi-request function to optimize communications
SV1.7 IR15B	04/2017	PEP0347378R	<b>Recovery:</b> Add Unsol Class disable/enable to web page.
		PEP0344247R	Add option to enable the sending of time setting on BusX
		PEP0336968R	Update timestamp for all objects no matter the value changes or not
		PEP0336082R	Fixed a defect about synchronize time to M340 CPU
		PEP0331224R	synchronize M580 CPU RTC with NOR module
		PEP0326657R	Improve DHCP behavior
		PEP0275075R	Add Quality bit for all routing points in DNP
		PEP0252543R	Fixed the defect on GPRS reconnection
SV1.7 IR10	03/2016	NA	Fixed an issue for manufacturing test of RTU V1.7
		PEP0127382R	Updated user manual on transition mode description
		PEP0127402R	Event configurable point by point on IEC protocol
		PEP0130226R PEP0213084R	Support reading the binary and analog outputs status on DNP3

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	PEP0190283R	Modify website description on event backup
	PEP0213024R	Fix a defect of time display on webpage
	PEP0213044R	Support 16-bit mapping for %SW
	PEP0216350R	Limit DNP client channels to 32
	PEP0220248R	Enhancement on managing the Modem retry times
	PEP0242596R	Fix defect on sending Email via GPRS if Eth cable not connect
	PEP0246582R PEP0310459R	Cyber security improvement
	PEP0251699R	Allow 16bit DNP3 analog mapping
	PEP0266093R	fix defect on SNMP
	PEP0272754R	Add Quality bit for all routing points for IEC
	PEP0272815R PEP0276331R PEP0293568R	Fix defect on time zone
	PEP0273545R	Add NOR module quality bit according to PLC status
	PEP0278973R	Enhancement on outputs control, only the health outputs can be controlled
	PEP0280504R	Improve local Freeze time precision
	PEP0281933R	Update rack viewer with new modules
	PEP0285781R	Improve GSM initialization command

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		PEP0287964R	Improvement on IP address acquisition
		PEP0288871R	enhance the importing of .xml file with long address
		PEP0289651R	Fix defect of time stamp display in data log file
		PEP0297480R PEP0311088R	Improve the data exchange between CPU and NOR module
		PEP0307177R	Fix a webpage defect on Unloc Array size limitation
		PEP0308646R	TCP reconnection enhancement at DNP3 client
		PEP0319301R	Remove the Debug agent port
		PEP0321336R	Optimize the configuration for multiple channels
<b>SV1.6 IR4</b>	<b>7/2013</b>	Original Release	