CETCL BACK et ® Module for the CC-B Quad Channel Controller	Critical Environment Technologies Canada Inc. (CETCI) has been granted the BACnet® Testing Laboratories (BTL) certification for the CETCI BACnet® Module upon passing the BTL requirements for the BACnet® Smart Actuator (B-SA) designation. This document contains the BACnet® Protocol Implementation Conformance Statement (PICS) information that can also be found on the BACnet® International website at http://www.bacnetinternational.org If you have any questions or required assistance, please do not hesitate to contact our service department for technical support. <b>Critical Environment Technologies Canada Inc.</b> Unit 145, 7391 Vantage Way, Delta, BC V4G 1M3 Toll Free: +1.877.940.8741 Fax: 604.940.8745 service@cetci.com www.critical-environment.com	Date: June 2016 Vendor Name: Critical Environment Technologies Canada Inc. Product Name: CETCI BACnet® Module for QCC-B, FCS-B, LPT-P-B and LPT-B Product Model Numbers: QCC-B, FCS-B, LPT-P-B, LPT-B Product Model Numbers: QCC-B, FCS-B, LPT-P-B, LPT-B Application Software Version: 1.12 Firmware Revision: 1.00.81 BACnet® Protocol Version/Revision: 14 Product Description Mc CETCI BACnet® Module is a microprocessor intended to plug into CETCI's FS Flexible Control System Controller, QCC Quad Channel Controller and the LPT-B BACnet® Transmitter to facilitate BACnet® communications protocol between the device and a building automation system commonly used in tVACr applications. BACnet® Standardized Device Profile (Annex L): BACnet® Building Controller (B-BK) BACnet® Building Controller (B-BK) BACnet® Advanced Application Controller (B-AAC) BACnet® Smart Sensor (B-SS) MBACnet® Smart Actuator (B-SA)	<section-header>         Save Service Service Services Supported Services Servi</section-header>
<ul> <li>An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:</li> <li>1. Whether objects of this type are dynamically creatable using the CreateObject service</li> <li>2. Whether objects of this type are dynamically deletable using the DeleteObject service</li> <li>3. List of the optional properties supported</li> <li>4. List of all properties that are writable where not otherwise required by this standard</li> </ul>	<ul> <li>O - Optional (may be required under some conditions)</li> <li>R - Required, but not required to be writable (may be required to be writable under some conditions)</li> <li>W - Not only required, but also required to be writable</li> <li>The following codes are used in this document to describe how the properties are implemented:</li> </ul>	Property       BACnet® Conf Code       Implementation         Object_Identifier       R       R/W         Object_Name       R       R/W         Object_Type       R       R/O="device"         System_Status       R       R/O="operational"         Vendor_Name       R       R/O         Vendor_Identifier       R       R/O         Model_Name       R       R/O         Firmware_Revision       R       R/O         Location       O       R/W         Protocol_Version       R       R/O=1         Protocol_Services_Supported       R       R/O         Protocol_Object_Types_Supported       R       R/O         Object_List       R       R/O	Max_APDU_Length_Accepted       R       R/0=480         Segmentation_Supported       R       R/0="none"         Local_Time       O       R/0         Local_Date       O       R/0         UTC_Offset       O       R/W         Daylight_Savings_Status       O       R/O         APDU_Timeout       R       R/W=7000         Number_Of_APDU_Retries       R       R/W=1         Max_Master       O       R/O         Device_Address_Binding       R       R/O         Max-Info-Frames       O       R/O

Analog Input	Analog Output	Binary Input	Binary Output
Property BACnet® Implementation	Property BACnet® Implementation Conf Code	Property BACnet® Implementation Conf Code	Property BACnet <sup>®</sup> Implementation Conf Code
Object_ldentifierRR/OObject_NameRR/OObject_TypeRR/O="analog input"Present_ValueRR/OStatus_FlagsRR/OEvent_StateRR/O="normal"Out_Of_ServiceRR/O=FALSEUnitsRR/OProperty_ListRR/O	Object_IdentifierRR/OObject_NameRR/OObject_TypeRR/O="analog-output"Present_ValueWR/WStatus_FlagsRR/O="all normal"Event_StateRR/O="normal"Out_Of_ServiceRR/O=FALSEUnitsRR/OPriority_ArrayRR/ORelinquish_DefaultRR/WProperty_ListRR/O	Object_IdentifierRR/OObject_NameRR/OObject_TypeRR/O="binary-input"Present_ValueRR/OStatus_FlagsRR/O="all normal"Event_StateRR/O="normal"Out_Of_ServiceRR/O=FALSEPolarityRR/OProperty_ListRR/O	Object_IdentifierRR/OObject_NameRR/OObject_TypeRR/O="binary-output"Present_ValueWR/WStatus_FlagsRR/O="all normal"Event_StateRR/O="normal"Out_Of_ServiceRR/O=FALSEPolarityRR/OPriority_ArrayRR/ORelinquish_DefaultRR/W
~9~	~10~	~11~	~12~
Data Link Layer Options:         BACnet® IP, (Annex J)         BACnet® IP, (Annex J), Foreign Device         ISO 8802-3, Ethernet (Clause 7)         ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)         ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)         MS/TP Master Node (Clause 9), baud rate(s):         MS/TP Master Node (Clause 9), baud rate(s):         Point-To-Point, ElA 232 (Clause 10), baud rate(s):         Point-To-Point, modem, (Clause 10), baud rate(s):         LonTalk, (Clause 11), medium:         Other:         Device Address Binding:         Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)  Yes	Networking Options:         □Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.         □Annex H, BACnet Tunneling Router over IP         □BACnet®/IP Broadcast Management Device (BBMD)         Does the BBMD support registrations by Foreign Devices? □ Yes ☑ No         Character Sets Supported:         Indicating support for multiple character sets does not imply that they can all be supported simultaneously.         □ANSI X3.4       □IBM™/Microsoft™ DBCS       □ISO 8859-1         ☑ISO 10646 (UTF-8)       □JIS C 6226       □ISO 10646 (UCS-2)         □ISO 10646 (UCS-4)       Network Security Options:       ☑Non-secure Device - is capable of operating without BACnet® Network Security	<ul> <li>FCS-B, QCC-B and LPT-B WAN BACnet<sup>®</sup> Communications Defaults: <ul> <li>Baud rate =78,600 (default, configurable)</li> <li>Base address = 270 (default, configurable)</li> <li>MAC address = 100 (default, configurable)</li> <li>Parity = no parity</li> <li>Stop bits = 1</li> <li>Data bits = 8</li> </ul> </li> <li>BACnet<sup>®</sup> is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).</li> </ul>	Correction       Sector         Sector       Sector
~13~	~14~	~15~	Data subject to change without notice.