## ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)

(This annex is part of this standard and is required for its use.)

## **BACnet Protocol Implementation Conformance Statement**

<b>Date:</b> October 12, 2023				
Vendor Name: Chipkin Automation Systems				
Product Name: RP2040-BACnetServerExamp	ple			
Product Model Number: CAS-1000-15				
Application Software Version:0.0.1	Firmware Revision: <u>4.1.19.0</u> BACnet Protocol Revision: _	<u>19</u>		
<b>Product Description:</b>				
Server example using the Raspberry PI RP2040 WiFi chip. Uses the CAS BACnet stack to generate a simple BACnet server with an Analog Input, Multi-state-value (MSV), and Network Port object. The analog input displays the CPU temperature				
-	n be used to write to this MSV to change the mode. The MSV			
possible values to be written, Off, On, Blink,	and Fast Blink.			
<b>BACnet Standardized Device Profiles Supp</b>	ported (Annex L):			
☑ BACnet Smart Actuator (B-SA)				
BACnet Interoperability Building Blocks S	Supported (Annex K):			
Segmentation Capability:				
☑Able to transmit segmented messages	Window Size1497			
☑Able to receive segmented messages	Window Size 1497			
Standard Object Types Supported:				

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

TODO: Make Chart

- 1) Whether objects of this type are dynamically creatable using the CreateObject service
- N/A
- 2) Whether objects of this type are dynamically deletable using the DeleteObject service
- 3) List of the optional properties supported

## **Analog Input** (0)

This object represents the CPU temperature of the Raspberry Pi Pico W Optional properties supported:

- Description
- Units

Writable properties:

- Units

This object is the BACnet dev Optional properties supported - Description	ice running the RP2040-BACnetS:	erverExample
- Application Software Version	n:	
Writable properties:		
- Units		
BLINK. These are settable by Optional properties supported - State Text Writable properties:	writing to the present value prope	contains the modes OFF, ON, BLINK, and FAST rty.
- Present Value		
Network Port (56) The network port object of the Optional Properties Supported Writable properties: - FD BBMD Address - FD Subscription Lifetime	e RP2040-BACnetServerExample l:	
BACnet Data Link Layer Option	ıs:	
☑ BACnet IP, (Annex J)		
Device Address Binding:		
Is static device binding supported? other devices.)	(This is currently necessary for tw	vo-way communication with MS/TP slaves and certain
Networking Options:		
N/A		
Character Sets Supported:		
Indicating support for multiple cha	racter sets does not imply that the	y can all be supported simultaneously.
☑ ISO 10646 (UTF-8) □ ISO 10646 (UCS-2)	☐ IBM <sup>™</sup> /Microsoft <sup>™</sup> DBCS ☐ ISO 10646 (UCS-4)	☐ ISO 8859-1 ☐ JIS X 0208
Gateway Options:		
If this product is a communication supports: N/A	on gateway, describe the types o	f non-BACnet equipment/networks(s) that the gateway
If this man denot is a commercial to		words of winteral DA Court devices a semanate DICC shall

Device (8)

If this product is a communication gateway which presents a network of virtual BACnet devices, a separate PICS shall be provided that describes the functionality of the virtual BACnet devices. That PICS shall describe a superset of the functionality of all types of virtual BACnet devices that can be presented by the gateway.