## 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	ole
Product Model Number: CAS-1000-15	
<b>Application Software Version:</b> 0.0.1	Firmware Revision: 4.1.19.0 BACnet Protocol Revision:19
Product Description:	HOWET 1' H. A. GAGRAG 1.
	40 WiFi chip. Uses the CAS BACnet stack to generate a simple BACnet server
	(1), and Network Port object. The analog input displays the CPU temperature
	neit units. The MSV shows the current mode of the built-in LED. A BACnet neit units be used to write to this MSV to change the mode. The MSV allows for three
possible values to be written, Off, On, Blink, a	
possible values to be written, Orr, On, Brink, a	and fast dink.
<b>BACnet Standardized Device Profiles Supp</b>	orted (Annex L):
Mark (Bak)	
☑ BACnet Smart Actuator (B-SA)	
RACnet Interesperability Ruilding Blocks	Supported (Annex K): DS-RP-B: Data Sharing ReadProperty-B, DS-RPM-B:
	WP-B: Data Sharing - WriteProperty-B, DM-DDB-B: Device and Network
	(Who-Is), DM-DOB-B: Device and Network Management - Dynamic Object
Binding-B (Who-Has)	(Who is), Biri Bob B. Bevice and Network Management Bynamic Object
Segmentation Capability:	
Segmentation Capability.	
✓ Able to transmit segmented messages	Window Size 1497
✓ Able to receive segmented messages	Window Size 1497
ElAble to receive segmented messages	Window Size 1477
Standard Object Types Supported:	
An object type is supported if it may be presen	nt in the device. For each standard Object Type supported provide the following
data:	is in the device. For each standard coject Type supported provide the following
	nically creatable using the CreateObject service
N/A	
	nically deletable using the DeleteObject service
N/A	,
3) List of the optional properties supporte	d

## **Analog Input** (0)

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

- Description
- Units

Writable properties:

- Units

Device (8)		
	device running the RP2040-BACnetS	erverExample
Optional properties suppor	ted:	
<ul><li>Description</li><li>Application Software Ver</li></ul>	rsion	
- Application Software ve.	.51011	
Multi-state Value (19)		
		contains the modes OFF, ON, BLINK, and FAST
	by writing to the present value prope	rty.
Optional properties suppor	ted:	
- State Text		
Writable properties: - Present Value		
- Fresent value		
Network Port (56)		
The network port object of	the RP2040-BACnetServerExample	
Optional Properties Suppo	rted:	
Writable properties:		
- FD BBMD Address		
- FD Subscription Lifetime	;	
BACnet Data Link Layer Op	tions:	
☑ BACnet IP, (Annex J)		
Device Address Binding:		
Is static device binding support other devices.) ☐ Yes ☑ No	•	vo-way communication with MS/TP slaves and certain
Networking Options:		
N/A		
Character Sets Supported:		
Indicating support for multiple	character sets does not imply that the	y can all be supported simultaneously.
✓ ISO 10646 (LITE-8)	☐ IBM <sup>™</sup> /Microsoft <sup>™</sup> DBCS	□ ISO 8859-1
☐ ISO 10646 (UCS-2)	☐ ISO 10646 (UCS-4)	☐ JIS X 0208
130 10040 (UCS-2)	<b>130</b> 10040 (0C3-4)	□ JIS A 0200
<b>Gateway Options:</b>		
If this product is a communic supports:	ation gateway, describe the types of	of non-BACnet equipment/networks(s) that the gateway

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.

N/A