BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date: May 18, 2018
Vendor Name: Setra Systems, Inc.
Product Name: Power Battalion 48
Product Model Numbers: SPB48XXN (X = configuration code, see Datasheet)
Application Software Version: 0.8.3 Firmware Revision: 1.018d BACnet Protocol Revision: 14
Product Description: Three phase ANSI C12.20-2010 Class 0.2 revenue grade power meter. Supports BACnet MS/TP, BACnet/IP, Modbus RTU, and Modbus TCP communication protocols.

BACnet Standardized Device Profile (Annex L):

☐ **BACnet Operator Workstation (B-OWS)**

☐ **BACnet Advanced Operator Workstation (B-AWS)**

☐ **BACnet Operator Display (B-OD)**

☐ **BACnet Building Controller (B-BC)**

☐ **BACnet Advanced Application Controller (B-AAC)**

☐ **BACnet Application Specific Controller (B-ASC)**

☑ **BACnet Smart Sensor (B-SS)**

☐ **BACnet Smart Actuator (B-SA)**

List all BACnet Interoperability Building Blocks Supported (Annex K):

ReadProperty (DS-RP-B)	Execute
ReadPropertyMultiple (DS-RPM-B)	Execute
WriteProperty (DS-WP-B)	Execute
Who-Has (DM-DOB-B)	Execute
I-Have (DM-DOB-B)	Initiate
Who-Is (DM-DDB-B)	Execute
I-Am (DM-DDB-B)	Initiate

Segmentation Capability:

☐ Able to transmit segmented messages   Window Size _____

☐ Able to receive segmented messages   Window Size _____

Standard Object Types Supported:
Device Object

Optional Properties	Writable Properties	Property Range Restrictions
	Object_Identifier	
Description	Description	
Location	Location	
Max_Master	Max_Master	
Max_Info_Frames	Max_Info_Frames	
	Object Name	

Analog Input

Optional Properties	Writable Properties	Property Range Restrictions

Analog Value

Optional Properties	Writable Properties	Property Range Restrictions
	Present_Value	

Binary Value

Optional Properties	Writable Properties	Property Range Restrictions
	Present_Value	

Analog Value

Optional Properties	Writable Properties	Property Range Restrictions
	Present_Value	

Positive Integer Value

Optional Properties	Writable Properties	Property Range Restrictions
	Present_Value	

Multi-state Value

Optional Properties	Writable Properties	Property Range Restrictions
	Present_Value	
State Text		

Bitstring Value

Optional Properties	Writable Properties	Property Range Restrictions
	Present Value	

Structured View

Optional Properties	Writable Properties	Property Range Restrictions
	Object Name	

Data Link Layer Options:

☐ BACnet IP, (Annex J)
☑ BACnet IP, (Annex J), Foreign Device (PS3037-E only)
☐ ISO 8802-3, Ethernet (Clause 7)
☐ ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
☐ ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) _____
☑ MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800, 115200
☐ MS/TP slave (Clause 9), baud rate(s): _____
☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s):_____
☐ Point-To-Point, modem, (Clause 10), baud rate(s): _____
☐ LonTalk, (Clause 11), medium: _____
☐ BACnet/ZigBee (ANNEX O)
☐ 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   ☑ No

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
      Does the BBMD support network address translation?   ☐ Yes   ☐ No

Network Security Options:

☑ Non-secure Device - is capable of operating without BACnet Network Security
☐ Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
    ☐ Multiple Application-Specific Keys:
    ☐ Supports encryption (NS-ED BIBB)
    ☐ Key Server (NS-KS BIBB)

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

☑ ISO 10646 (UTF-8)   ☐ IBM™/Microsoft™ DBCS   ☐ ISO 8859-1
☐ ISO 10646 (UCS-2)   ☐ ISO 10646 (UCS-4)   ☐ JIS X 0208