

ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

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

BACnet Protocol Implementation Conformance Statement

Date: 11 November 2014

Vendor Name: eGauge Systems LLC

Product Name: eGauge

Product Model Number: eGauge2, EG30xx

Application Software Version: n/a **Firmware Revision:** 1.00 or newer **BACnet Protocol Revision:** 0.5.5

Product Description:

Multi-channel electric power and energy meter.

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 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): DS-RP-B, DM-DDB-B, DM-DOB-B.

Segmentation Capability:

- Able to transmit segmented messages Window size _____
- Able to receive segmented messages Window size _____

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:

1. Whether objects of this type are dynamically creatable using the CreateObject service
2. Whether objects of this type are dynamically deletable using the DeleteObject service
3. List of the optional properties supported
4. List of all properties that are writable where not otherwise required by this standard
5. List of all properties that are conditionally writable where not otherwise required by this standard
6. List of proprietary properties and for each its property identifier, datatype, and meaning
7. List of any property range restrictions

Object-Type	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties	Object-ID range	Description
Analog Input	No	No	-	-	0x20000-0x2ffff	Voltages
Analog Input	No	No	-	-	0x30000-0x3ffff	Currents
Analog Input	No	No	-	-	0x50000-0x5ffff	Frequencies
Analog Input	No	No	-	-	0x60000-0x60000	Timestamp
Analog Input	No	No	-	-	0x70000-0x7ffff	Register values
Analog Input	No	No	-	-	0x80000-0x8ffff	Register change

Data Link Layer Options:

- BACnet IP, (Annex J)
 BACnet IP, (Annex J), Foreign Device
 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): _____
 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

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:
