

BACnet Protocol Implementation Conformance Statement

Date: November 15, 2014

Vendor Name: Ontron

Product Name: BACnet driver for Ontron IP capable Sedona devices

Product Model Number: ontronBacnet kit, compatible with PION & RION series controllers

Application Software Version: 1.0

Firmware Revision: 1.2.28

BACnet Protocol Revision: 1.40

Product Description:

This driver will run on any Ontron IP based Sedona Framework device including the P-ION plant controller and the R-ION series room controllers.

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):

Supported BIBBs	BIBB Name
DS-RP-B	Data Sharing – ReadProperty – B
DS-WP-B	Data Sharing – WriteProperty – B
DM-DDB-B	Device Management – Dynamic Device Binding - B

Segmentation Capability:

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

Standard Object Types Supported:

No dynamically creatable or deletable types

Object Type	Optional Properties	Writable Properties	Notes
Device	Description	-	
Proprietary Type 255 (models any sedona component)	Description Present Value	Present Value	Modeling for sedona slot values ObjectType = Proprietary 255 ObjectInstance = sedonaCompId PropertyId = PresentValue PropertyArrayIndex = slotId

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): 9600 -19200 - 38400
- 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