

## BACnet Protocol Implementation Conformance Statement

**Date:** November 15, 2014

**Vendor Name:** Ontrol

**Product Name:** BACnet driver for Ontrol IP capable Sedona devices

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

**Application Software Version:** 1.1

**Firmware Revision:** 1.2.28

**BACnet Protocol Revision:** 1.40

**Product Description:**

This driver will run on any Ontrol 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	-	
Analog Value	Description	PresentValue	
Binary Value	Description	PresentValue	
Proprietary Type 255 (models any sedona component)	Description Present Value	Present Value	<u>Modeling for sedona slot values</u> 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