

BACnet Protocol Implementation Conformance Statement

Date:	May 25, 2017
Vendor Name:	ODIN Automation Systems, LLC
Product Name:	Operator Display Integrated Network (ODIN)
Product Model Number:	ODIN-BOD
Application Software Version:	2.0.19.0
Firmware Revision:	1.0.19.4754
BACnet Protocol Revision:	14

Product Description:

ODIN is a software product that is installed on a Windows OS computer/server on a building automation LAN to monitor and manage all BACnet certified devices and objects. ODIN uses an SSL secured connection from the local BACApp server to a local or cloud based application server. ODIN can be accessed by any computer or mobile browser over the internet and provides a simple and intuitive low cost user interface for device/object monitoring, adjusting, trending, alarming and scheduling.

BACnet Standardized Device Profile (Annex L):

BACnet Operator Display (B-OD)

BACnet Interoperability Building Blocks Supported (Annex K):

ODIN supports the following BIBBs:

Data Sharing	DS-RP-A	Data Sharing-ReadProperty-A
	DS-RP-B	Data Sharing-ReadProperty-B
	DS-RPM-A	Data Sharing-ReadPropertyMultiple-A
	DS-WP-A	Data Sharing-WriteProperty-A
	DS-V-A	Data Sharing-View-A
	DS-M-A	Data Sharing-Modify-A

Alarm and Event Management	AE-N-A	Alarm and Event Management-Notification-A
	AE-VN-A	Alarm and Event Management-View Notifications-A

Device and Network Management	DM-DDB-A	Device Management-Dynamic Device Binding-A
	DM-DDB-B	Device Management-Dynamic Device Binding-B
	DM-DOB-B	Device Management-Dynamic Object Binding-B

Segmentation Capability:

- Able to transmit segmented messages Window Size = 1
- Able to receive segmented messages Window Size = 1

Standard Object Types Supported:

- Dynamically creatable using the CreateObject service: Not Applicable
- Dynamically deletable using the DeleteObject service: Not Applicable

Standard Properties Summary

Object Type	Property Identifier	Writable	Optional	Property Range Restriction
Device Object	Location	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Description	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Limited to 255characters
	Max-segments-accepted	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Apdu-segment-timeout	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Serial-number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Profile-name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Limited to 255characters
	Apdu-timeout	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Number-of-apdu-retries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Data Link Layer Options:

- ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)
- ARCNET (ATA 878.1), EIA-485 (Clause 8), baud rate(s) _____
- BACnet IP, (Annex J)
- BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)
- BACnet IP, (Annex J), Network Address Translation (NAT Traversal)
- BACnet IPv6, (Annex U)
- BACnet IPv6, (Annex U), BACnet Broadcast Management Device (BBMD)
- BACnet/ZigBee (Annex O) _____
- Ethernet, ISO 8802-3 (Clause 7)
- LonTalk, ISO/IEC 14908.1 (Clause 11), medium: _____
- 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):
- 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

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

Gateway Options:

Not Applicable

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)