

Integra N4 4.2

BACnet Supervisor PICS

BACnet Protocol Implementation Conformance Statement

Date: January 10, 2017

Vendor Name: Cylon Auto-Matrix

Product Name: INTEGRA N4 Supervisor

Product Model Number: ITS-AWS-N4, ITS-OWS-N4

Application Software Version: 4.2.36.38 or higher

Firmware Revision: 4.2.36.38 or higher

BACnet Protocol Revision: 14

Product Description:

The Integra N4 BACnet Supervisor provides the ability to view, monitor, and control BACnet devices and objects over IP or raw Ethernet, or through a BACnet router to any BACnet media. Devices, points, schedules, alarms, and logs can be learned and managed from Integra N4. Advanced management tasks such as backup and restore and object creation and deletion are also possible with the BACnet Supervisor.

BACnet Standardized Device Profile (Annex L):

- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Workstation (B-OWS)
- 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)
- BACnet Router (B-RTR)
- BACnet Gateway (B-GW)
- BACnet Broadcast Management Device (B-BBMD)



Additional BACnet Interoperability Building Blocks Supported (Annex K):

<p>Data Sharing DS-RP-A, B DS-RPM-A, B DS-WP-A, B DS-WPM-A,B DS-COV-A, B DS-COVU-A, B DS-V-A DS-AV-A DS-M-A DS-AM-A</p>	<p>Device & Network Management DM-DDB-A, B DM-DOB-A, B DM-DCC-A,B DM-RD-A,B DM-TS-B DM-UTC-B DM-LM-A, B DM-BR-A,B DM-ANM-A DM-ADM-A DM-ATS-A DM-MTS-A DM-OCD-A</p>
<p>Alarm & Event Management AE-N-A AE-ACK-A AE-VN-A AE-AVN-A AE-VM-A AE-AVM-A AE-AS-A AE-ELVM-A</p>	<p>Trending T-ATR-A T-V-A T-AVM-A T-A-A</p>
<p>Scheduling SCHED-VM-A SCHED-AVM-A</p>	<p>Network Management NM-CE-A</p>



Segmentation Capability:

Feature	Supported	Window size
Transmit Segmented Messages	yes	10
Receive Segmented Messages	yes	127

Standard Object Types Supported:

- The CreateObject and DeleteObject services are not supported, so no objects are dynamically creatable or deletable through BACnet service requests, although these objects are dynamically creatable and deletable through Niagara.
- No general range restrictions exist; however, certain specific applications may have specific range restrictions.
- All potentially available properties are listed for each object type.
- Optional properties are listed in *italics*. Not all instances support all optional properties.
- Writable properties are listed in **bold**. Any range limitations are expressed in parentheses following the property name.



Object Type	Properties	
Device	Object_Identifier	Number_Of_APDU_Retries
	Object_Name	Time_Synchronization_Recipients
	Object_Type	Max_Master
	System_Status	Max_Info_Frames
	Vendor_Name	Device_Address_Binding
	Vendor_Identifier	Database_Revision
	Model_Name	Configuration_Files
	Firmware_Revision	Last_Restore_Time
	Application_Software_Version	Backup_Failure_Timeout
	Location	Active_COV_Subscriptions
	Description	UTC_Time_Synchronization_Recipients
	Protocol_Version	Time_Synchronization_Interval
	Protocol_Revision	Align_Intervals
	Protocol_Services_Supported	Interval_Offset
	Protocol_Object_Types_Supported	Backup_Preparation_Time
	Object_List	Restore_Completion_Time
	Max_APDU_Length_Accepted	Restore_Preparation_Time
	Segmentation_Supported	Backup_And_Restore_State
	Max_Segments_Accepted	Last_Restart_Reason
	Local_Time	Time_Of_Device_Restart
	Local_Date	Restart_Notification_Recipients
	UTC_Offset	Serial_Number
	Daylight_Savings_Status	Property_List
APDU_Segment_Timeout		
APDU_Timeout		

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- BACnet IP, Annex J), BACnet Broadcast Management Device _BBMD)
- ISO 8802-3, Ethernet (Clause 7)

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 – Routing configurations: Ethernet-IP, Ethernet-MS/TP, IP-MS/TP
- 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.

- IBM®/Microsoft® DBCS ISO 8859-1 ISO 10646 (UTF-8) ISO 10646 (UCS-2)
- JIS C 6226 ISO 10646 (UCS-4)

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

This product supports communications between BACnet and any third-party system to which Niagara can connect. Contact Tridium for a list of supported protocols.