

Date: December 1, 2012

Vendor Name: Schneider Electric

Product Name: TAC I/A Series® G3 Enterprise Network Server with OWS listing

Product Model Number: ENS-BAC-OWS

Application Software Version: 3.6.35

Firmware Revision: 3.6.35

BACnet Protocol Revision: 7

Product Description

The TAC I/A Series G3 BACnet Enterprise Network Server with OWS (Operator Workstation) provides the ability to view, monitor, and control BACnet devices and objects over BACnet/IP or BACnet over Ethernet, or through a BACnet router to any BACnet media. Devices, points, schedules, alarms, and logs can be learned and managed from TAC I/A Series G3.

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 Controllers (B-AAC)

BACnet Application Specific Controller (B-ASC)

BACnet Smart Sensor (B-SS)

BACnet Smart Actuator (B-SA)

BACnet Interoperability Building Blocks Supported (Annex K in BACnet 2004)

DS-RP-A	DS-RP-B	DS-RPM-A	DS-RPM-B	DS-WP-A	DS-WP-B	DS-WPM-A
DS-WPM-B	DS-COV-A	DS-V-A	DS-M-A	DM-DDB-A	DM-DDB-B	DM-DOB-A
DM-DOB-B	DM-DCC-B	DM-RD-B	DM-TS-B	DM-UTC-B	DM-LM-A	DM-LM-B
DM-ANM-A	DM-ADM-A	DM-ATS-A	DM-MTS-A	AE-N-A	AE-ACK-A	AE-VN-A
AE-AVN-A	AE-VM-A	AE-AS-A	T-ATR-A	T-V-A	T-A-A	SCHED-VM-A
NM-CE-A						

Segmentation Capability

Able to transmit segmented messages **Window Size:** 10

Able to receive segmented messages **Window Size:** Any

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 TAC I/A Series G3.
- No general range restrictions exist; however, certain specific applications may have specific range restrictions.
- All potentially available properties are listed for each object type.
- Not all instances support all optional properties.
- The Backup and Restore properties from Addendum 135-2008n are included as proprietary properties with proprietary property identifiers. Their behavior is identical to the behavior described in the addendum.
- For writable properties, any range limitations are expressed in parentheses following the property name.

Object Type	Required Properties	Optional Properties	Writable Properties
Device	Object_Identifier Object_Name Object_Type System_Status Vendor_Name Vendor_Identifier Model_Name Firmware_Revision Application_Software_Revision Protocol_Version Protocol_Revision Protocol_Services_Supported Protocol_Object_Types_Supported Object_List Max_APDU_Length_Accepted Segmentation_Supported APDU_Timeout Number_Of_APDU_Retries Device_Address_Binding Database_Revision	Location Description Max_Segments_Accepted Local_Time Local_Date UTC_Offset Daylight_Savings_Status APDU_Segment_Timeout Time_Synchronization_Recipients Max_Master Max_Info_Frames Configuration_Files Last_Restore_Time Backup_Failure_Timeout Active_COV_Subscriptions UTC_Time_Synchronization_Recipients Time_Synchronization_Interval Align_Intervals Interval_Offset Backup_Preparation_Time_proprietary Restore_Completion_Time_proprietary Restore_Preparation_Time_proprietary Backup_And_Restore_State_proprietary	Location Description Time_Synchronization_Recipients Backup_Failure_Timeout UTC_Time_Synchronization_Recipients

Data Link Layer Options

BACnet IP, (Annex J)

Able to register as a Foreign Device

ISO 8802-3, Ethernet (10BASE5, 10BASE2, 10BASET, Fiber) (Clause 7)

ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)

ANSI/ATA 878.1, RS-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: _____

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.:

Ethernet-BACnet/IP

Annex H.3, BACnet Tunneling Router over UDP/IP

BACnet/IP Broadcast Management Device (BBMD)

Does the BBMD support registrations by Foreign Devices? Yes No

Character Sets Supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

ANSI X3.4

IBM™/Microsoft™ DBCS

ISO 8859-1

ISO 10646 (UCS-2)

ISO 10646 (UCS-4)

JIS C 6226

Non-BACnet Equipment and Network(s) Supported

If this product is a communication gateway, describe the non-BACnet equipment and network(s) that the gateway supports:

This product supports communications between BACnet and any third-party system to which TAC I/A Series G3 can connect. Contact Schneider Electric Customer Service for a list of supported protocols.

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