

**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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