Swegon GOLD BACnet PICS

BACnet Protocol Implementation Conformance Statement

Date: August 23, 2010
Vendor Name: Swegon
Product Name: GOLD
Product Model Number: Version C,D
Application Software Version: 2.21
Firmware Revision: 0.5.4
BACnet Protocol Revision: 5

Product Description:
This BACnet driver is implemented in GOLD PV 5.15 and provides the function of monitoring and operating the air handling unit. The supported Data Link Layer Options are BACnet / IP.

BACnet Standardized Device Profile (Annex L):

☐ **BACnet Operator Workstation (B-OWS)**
☐ **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):

Data Sharing	DS-RP-B	Data Sharing-Read Property-B
	DS-RPM-B	Data Sharing-Read Property Multiple-B
	DS-WP-B	Data Sharing-Write Property-B
	DS-COV-B	Data Sharing-COV-B
Alarm&Event Management	AE-N-I-B	Alarm&Event-Notification Internal-B
Device Management	DM-DDB-B	Device Management-Dynamic Device Binding-B
	DM-DOB-B	Device Management-Dynamic Object Binding-B
	DM-DCC-B	Device Management-Dynamic Communication Control-B

Segmentation Capability:

☐ Segmented requests supported Window Size _____
☐ Segmented responses supported Window Size _____

Standard Object Types Supported:

- The CreateObject and DeleteObject services are not supported, so no objects are dynamically creatable or deletable through BACnet service requests.
- 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*.
- Writable properties are listed in **bold**.

Object Type	**Properties**
Analog Input	Object_Identifier Object_Name Object_Type Present_Value Status_Flags Event_State Out_Of_Service Units *Min_Pres_Value* *Max_Pres_Value* *Resolution* *COV_Increment*
Analog Value	Object_Identifier Object_Name Object_Type **Present_Value** Status_Flags Event_State Out_Of_Service Units *Priority_Array* *Relinquish_Default* *COV_Increment*
Binary Input	Object_Identifier Object_Name Object_Type Present_Value Status_Flags Event_State Out_Of_Service Polarity Time_Delay Notification_Class Alarm_Value Event_Enable Acked_Transitions Notify_Type Event_Time_Stamps

Binary Value	Object_Identifier Object_Name Object_Type **Present_Value** Status_Flags Event_State Out_Of_Service Priority_Array Relinquish_Default
Device	Object_Identifier Object_Name Object_Type System_Status Vendor_Name Vendor_Identifier Model_Name Firmware_Revision Application_Software_Version *Location* *Description* 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 *Active_COV_Subscriptions*
Notification Class	Object_Identifier Object_Name Object_Type *Description* Notification_Class Priority Ack_Required **Recipient_List** Profile_Name

Data Link Layer Options:

☒ BACnet IP, (Annex J)
☐ BACnet IP, (Annex J), Foreign Device
☐ ISO 8802-3, Ethernet (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.
☐ Annex H, BACnet Tunneling Router over 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

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports:
Not applicable.