

Swegon Super WISE® BACnet PICS

BACnet Protocol Implementation Conformance Statement

Super WISE Software Version 1.06

Date: September 22, 2010
Vendor Name: Swegon
Product Name: Super WISE
Product Model Number: 1
Application Software Version: 1.0
Firmware Revision: 0.5.2
BACnet Protocol Revision: 5

1. Product description

This BACnet driver is implemented in Super WISE v 1.06 and provides the function of monitoring and operating the Super WISE unit. The supported Data Link Layer Options are BACnet / IP.

2. BACnet standardised device profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Building Controller (B-BC)
- BACnet Advance Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

3. 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
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

4. Segmentation Capability

- Segmented requests supported Window Size _____
- Segmented responses supported Window Size _____

5. 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
Analogue Input	Object_Identifier Object_Name Object_Type Present_Value Status_Flags Event_State Out_of_Service Units <i>Min_Pres_Value</i> <i>Max_Pres_Value</i> <i>Resolution</i> <i>COV_Increment</i>
Analogue Value	Object_Identifier Object_Name Object_Type Present_Value Status_Flags Event_State Out_of_Service Units <i>Priority_Array</i> <i>Relinquish_Default</i> <i>COV_Increment</i>
Device	Object_Identifier Object_Name Object_Type System_Status Vendor_Name Vendor_Identifier Model_Name Firmware_Revision Application_Software_Version <i>Location</i> <i>Description</i> 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 <i>Active_COV_Subscriptions</i>

6. 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: _____

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

8. 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

9. 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/network(s) that the gateway supports:

Not applicable.