



BACnet Protocol Implementation Conformance Statement

Products

| Product | Model Number | Protocol Revision | Software Version | Firmware Version |
|--|--------------|-------------------|------------------|------------------|
| SCADA Engine BACnet Operator Workstation | SE-BOW | 135-1995b (1) | 1.0.0.1 | 1.0.0.1 |

Date Tested: Not Tested

Vendor Information

SCADA Engine
 5A Hartnett Close
 Mulgrave 3170,
 Australia
www.scadaengine.com

Product Description

The SCADA Engine BACnet Operator Workstation is a software toolset which can be used to build a BACnet application. It has been developed for other developers in mind.

BACnet Standardized Device Profile

| Product | Device Profile | Tested |
|--------------|--------------------------------------|--------|
| All Products | BACnet Operator Workstation (SE-BOW) | |

Supported BIBBs

| Product | Supported BIBBs | BIBB Name | Tested |
|--------------|-----------------|-------------------------------------|--------|
| All Products | DS-RP-A | Data Sharing-ReadProperty-A | |
| | DS-RP-B | Data Sharing-ReadProperty-B | |
| | DS-RPM-A | Data Sharing-ReadPropertyMultiple-A | |
| | DS-RPM-B | Data Sharing-ReadPropertyMultiple-B | |



| | | | |
|--|-----------|--|--|
| | DS-WP-A | Data Sharing-WriteProperty-A | |
| | DS-WP-B | Data Sharing-WriteProperty-B | |
| | DS-WPM-A | Data Sharing-WritePropertyMultiple-A | |
| | DS-WPM-B | Data Sharing-WritePropertyMultiple-B | |
| | DS-COV-A | Data Sharing-COV-A | |
| | DS-COV-B | Data Sharing-COV-B | |
| | DS-COVU-A | Data Sharing-COV-Unsolicited-A | |
| | DS-COVU-B | Data Sharing-COV-Unsolicited-B | |
| | SCHEM-A | Scheduling-A | |
| | SCHEM-I-B | Scheduling-Internal-B | |
| | SCHEM-E-B | Scheduling-External-A | |
| | T-VMT-A | Trending-Viewing and Modifying Trends-A | |
| | T-VMT-I-B | Trending-Viewing and Modifying Trends-Internal-B | |
| | T-VMT-E-B | Trending-Viewing and Modifying Trends-External-B | |
| | T-ATR-B | Trending-Automated Trend Retrieval-B | |
| | NM-CE-A | Network Management-Connection Establishment-A | |
| | NM-CE-B | Network Management-Connection Establishment-B | |
| | AE-N-A | Alarm and Event-Notification-A | |
| | AE-N-I-B | Alarm and Event-Notification Internal-B | |



| | | | |
|--|-----------|--|--|
| | AE-N-E-B | Alarm and Event-Notification External-B | |
| | AE-ACK-A | Alarm and Event-ACK-A | |
| | AE-ACK-B | Alarm and Event-ACK-B | |
| | AE-ASUM-A | Alarm and Event-Alarm Summary-A | |
| | AE-ASUM-B | Alarm and Event-Alarm Summary-B | |
| | AE-ESUM-A | Alarm and Event-Enrollment Summary-A | |
| | AE-ESUM-B | Alarm and Event-Enrollment Summary-B | |
| | DM-DDB-A | Device Management-Dynamic Device Binding-A | |
| | DM-DDB-B | Device Management-Dynamic Device Binding-B | |
| | DM-DOB-B | Device Management-Dynamic Object Binding-B | |
| | DM-DCC-B | Device Management-DeviceCommunicationControl-B | |
| | DM-PT-A | Device Management-Private Transfer-A | |
| | DM-PT-B | Device Management-Private Transfer-B | |
| | DM-TM-B | Device Management-Text Message-B | |
| | DM-TS-A | Device Management-TimeSynchronization-A | |
| | DM-UTC-A | Device Management-UTCTimeSynchronization-A | |
| | DM-LM-B | Device Management-List Manipulation-B | |

Standard Object Types Supported

| Product | Object Type | Creatable | Deletable | Tested |
|---------|-------------|-----------|-----------|--------|
|---------|-------------|-----------|-----------|--------|



| | | | | |
|--------------|--------------------|-----|-----|--|
| All Products | Analog Input | Yes | Yes | |
| | Analog Output | Yes | Yes | |
| | Analog Value | Yes | Yes | |
| | Binary Input | Yes | Yes | |
| | Binary Output | Yes | Yes | |
| | Binary Value | Yes | Yes | |
| | Calendar | Yes | Yes | |
| | Device | No | No | |
| | Event Enrollment | Yes | Yes | |
| | File | Yes | Yes | |
| | Loop | Yes | Yes | |
| | Multi-state Value | Yes | Yes | |
| | Notification Class | Yes | Yes | |
| | Program | Yes | Yes | |
| | Schedule | Yes | Yes | |
| Trend Log | Yes | Yes | | |

Data Link Layer Options

| Product | Data Link | Options | Tested |
|--------------|---------------------|--|--------|
| All Products | BACnet/IP (Annex J) | Can communicate as a Direct BACnet/IP device. Can register as a Foreign | |



| | | | |
|--|-----------------------|---------------------------|--|
| | | BACnet/IP device. | |
| | Ethernet (ISO 8802-3) | | |
| | MS/TP Master | 9600, 19200, 38400, 76800 | |

Segmentation Capability

| Product | Segmentation Type | Supported | Window Size (MS/TP product limited to 1) | Tested |
|--------------|-------------------------------------|-----------|--|--------|
| All Products | Able to transmit segmented messages | Yes | Configurable | |
| | Able to receive segmented messages | Yes | Configurable | |

Device Address Binding

| Product | Static Binding Supported | Tested |
|--------------|--------------------------|--------|
| All Products | Yes | |

Networking Options

| Product | Router Option | Options | Tested |
|--------------|---------------|--------------|--------|
| All Products | Router | 1 BACnet/IP, | |

Character Sets

| Product | Character Sets supported | Tested |
|--------------|--------------------------|--------|
| All Products | ANSI X3.4 | |