BACnet Protocol Implementation Conformance Statement

Date: January 27, 2011
Vendor Name: Setra Systems
Product Name: Room Condition Monitor
Product Model Numbers: SRCM
BACnet Protocol Version: Version 1 Rev.4
Product Description: The Monitor is used in pressure monitoring of hospital rooms such as operating rooms, isolation rooms and housing contagious patients. This system contains a differential capacitive pressure sensor, which senses the differential pressure that is displayed on a TFT LCD (480x272 pixels). Current equivalent to the differential pressure shall be transmitted as per the standards (4-20mA). Apart from Current mode two different voltage output modes shall be available, [0-5VDC, 0-10VDC] corresponding to the differential pressure. Capacitance variation proportional to differential pressure is detected which is then displayed and transmitted as current or voltage. This system can also be interfaced to two external transducers (One for primary pressure input if transducer is remote and other for secondary pressure input for anteroom or Temperature sensor or a Humidity sensor).

BACnet Standardized Device Profile (Annex L)

- BACnet Application Specific Controller (B-ASC)

BACnet Interoperability Building Blocks (BIBBs) (Annex K)

Application Services (B-ASC)	Designation
Required for B-ASC Profile	
Data Sharing - Read Property – B	DS-RP-B
Data Sharing - Write Property – B	DS-WP-B
Device Management - Dynamic Device Binding – B	DM-DDB-B
Device Management - Dynamic Object Binding – B	DM-DOB-B
Device Management - Device Communication Control – B	DM-DCC-B
Not Required for B-ASC Profile but supported in SRCM	
Data Sharing - Write Property Multiple – B	DS-WPM-B
Data Sharing - Read Property Multiple – B	DS-RPM-B
Device Management - Reinitialize Device – B	DM-RD-B
Alarm and Event-Notification Internal-B	AE-N-I-B
Alarm and Event-Information-B	AE-INFO-B
Device Management - Time Synchronization – B	DM-TS-B
Device Management-Dynamic Device Binding-A	DM-DDB-A
Device Management – UTC Time Synchronization – B	DB-UTC-B
Data Sharing - Read Property – A	DS-RP-A
Data Sharing - Write Property – A	DS-WP-A

Standard Object Types Supported

- **Analog Input**
- **Analog Value**
- **Binary Input**
- **Binary Value**
- **Device**
- **Event Enrollment**
- **Multistate Input**
- **Multistate Value**
- **Notification Class**

Data Link Layer Option

- Master-Slave/Token-Passing (MS/TP) master (Clause 9), baud rates: 9600, 19200, 38400, 76800

Device Address Binding

- Not Supported

Networking Options

- Not Supported

Character Sets Supported

- ANSI X3.4