

BACnet Protocol Implementation Conformance Statement

Products

Product	Model Number	Protocol Revision	Software Version	Firmware Version
APOGEE Insight with BACnet Operator Workstation	571-188 571-189	135-2004	3.7	N/A

Date Tested: Not Tested – No BTL test currently available for B-OWS

Vendor Information

Siemens Building Technologies 1000 Deerfield Parkway Buffalo Grove, IL 60089 www.sbt.siemens.com

Product Description

<p>The Insight workstation provides a powerful and comprehensive interface to manage and control a facility within a user friendly operating environment. APOGEE Insight, combined with the multi-tasking environment of Windows 2003/XP/2000, provides ease of use, power, connectivity, and manageability. The APOGEE Insight with BACnet workstation provides an integration platform to work with other BACnet enabled systems and devices using either the BACnet Ethernet or BACnet/IP protocol.</p>

BACnet Standardized Device Profile

Supported	Device Profile
•	BACnet Operator Workstation (B-OWS)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Actuator (B-SA)
	BACnet Smart Sensor (B-SS)

Supported BACnet Interoperability Building Blocks (BIBBs)

BIBB	Name	Initiate	Execute
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-RPC-A	Data Sharing-ReadPropertyConditional-A	•	
DS-RPC-B	Data Sharing-ReadPropertyConditional-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		•
Scheduling			
SCHED-A	Scheduling-A	•	
Alarm and Event Management			
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		•
AE-INFO-A	Alarm and Event-Information-A	•	
Trending			
T-VMT-A	Trending-Viewing and Modifying Trends-A	•	
T-ATR-A	Trending-Automated Trend Retrieval-A	•	
Network Management			
NM-CE-A	Network Management-Connection Establishment-A	•	
Device Management			
DM-DDB-A	Device Management-Dynamic Device Binding-A	•	
DM-DDB-B	Device Management-Dynamic Device Binding-B		•
DM-DOB-A	Device Management-Dynamic Object Binding-A	•	
DM-DOB-B	Device Management-Dynamic Object Binding-B		•

BIBB	Name	Initiate	Execute
DM-DCC-A	Device Management-DeviceCommunicationControl-A	•	
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-RD-A	Device Management-ReinitializeDevice-A	•	
DM-BR-A	Device Management-Backup and Restore-A	•	
DM-LM-A	Device Management-List Manipulation-A	•	
DM-LM-B	Device Management-List Manipulation-B		•
DM-OCD-A	Device Management-Object Creation and Deletion-A	•	

* Indicates support through Insight BACnet Server Option

Standard Object Types Supported

Object Type	Creatable	Deletable
Analog Input		
Analog Output		
Analog Value		
Binary Input		
Binary Output		
Binary Value		
Calendar	•	•
Command	•	•
Device		
Event Enrollment		
File		
Multi-State Input		
Multi-State Output		
Multi-State Value		
Notification Class	•	•
Schedule	•	•
Trend Log		

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: _____

Segmentation Capability

Able to transmit segmented messages	Yes	Window Size: 16 (Configurable)
Able to receive segmented messages	Yes	Window Size: 16 (Configurable)

Device Address Binding

Is Static Device Binding supported?	Yes
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Networking Options

	Router, Clause 6
	Annex H.3, BACnet Tunneling Router over UDP/IP
•	BACnet/IP Broadcast Management Device (BBMD)
Yes	Does the BBMD support registrations by Foreign Devices?

Character Sets

•	ANSI X3.4
	ISO 10646 (UCS-2)
	IBM™/Microsoft™ DBCS
	ISO 10646 (ICS-4)
	ISO 8859-1
	JIS C 6226