

BACnet Protocol Implementation Conformance Statement

Date: April 3, 2023
 Vendor Name: DEOS AG (Vendor ID: 142)
 Product Name: OPENweb
 Product Model Number: DS-OWB
 Applications Software 12.0.1.
 Version:
 Firmware Revision: 3.1.1
 BACnet Protocol Version: 1
 BACnet Protocol Revision: 22

Product Description:

OPENweb - Advanced Operator Workstation.

BACnet Standardized Device Profile (Annex L):

- BACnet Building Controller (B-AWS)
- BACnet Broadcast Management Device (B-BBMD)
- BACnet Secure Connect Hub (B-SCHUB)

BACnet Interoperability Building Blocks Supported (Annex K):

Data Sharing

Data Sharing-ReadProperty-A	DS-RP-A
Data Sharing-ReadProperty-B	DS-RP-B
Data Sharing-ReadPropertyMultiple-A	DS-RPM-A
Data Sharing-ReadPropertyMultiple-B	DS-RPM-B
Data Sharing-WriteProperty-A	DS-WP-A
Data Sharing-WriteProperty-B	DS-WP-B
Data Sharing-WritePropertyMultiple-A	DS-WPM-A
Data Sharing-COV-A	DS-COV-A
Data Sharing-COVP-A	DS-COVP-A
Data Sharing-View-A	DS-V-A
Data Sharing-Advanced-View-A	DS-AV-A
Data Sharing-Modify-A	DS-M-A
Data Sharing-Advanced Modify-A	DS-AM-A

Alarm / Event

Alarm and Event-Notification-A	AE-N-A
Alarm and Event-ACK-A	AE-ACK-A
Alarm and Event-Alarm Summary-A	AE-ASUM-A
Alarm and Event Enrollment Summary-A	AE-ESUM-A
Alarm and Event-Information-A	AE-INFO-A
Alarm and Event Management-Event Log View-A	AE-ELV-A
Alarm and Event Management-Event Log View and Modify-A	AE-ELVM-A
Alarm and Event Management-View Notifications-A	AE-VN-A
Alarm and Event Management-Advanced View Notifications-A	AE-AVN-A
Alarm and Event Management-View and Modify-A	AE-VM-A
Alarm and Event Management-Advanced View and Modify-A	AE-AVM-A
Alarm and Event Management-Alarm Summary View-A	AE-AS-A
Alarm and Event Management - Temporary Event Subscription - A	AE-TES-A

Scheduling

Scheduling-View and Modify-A	SCHED-VM-A
Scheduling-Advanced View and Modify-A	SCHED-AVM-A
Scheduling-Weekly Schedule-A	SCHED-WS-A

Trending

Trending-View-A	T-V-A
Trending-Advanced View and Modify-A	T-AVM-A
Trending-Automated Trend Retrieval-A	T-ATR-A
Trending-Automated Multiple Value Retrieval-A	T-AMVR-A
Trending-Archival-A	T-A-A
Trending-Viewing and Modifying Trends-A	T-VMT-A
Trending-Viewing and Modifying Multiple Values-A	T-VMMV-A

Device Management

Device Management-Dynamic Device Binding-A	DM-DDB-A
Device Management-Dynamic Device Binding-B	DM-DDB-B
Device Management-Dynamic Object Binding-A	DM-DOB-A
Device Management-Dynamic Object Binding-B	DM-DOB-B
Device Management-Automatic Device Mapping-A	DM-ADM-A
Device Management-Automatic Network Mapping-A	DM-ANM-A
Device Management-Time Synchronization-A	DM-TS-A
Device Management-UTC Time Synchronization-A	DM-UTC-A
Device Management-Automatic Time Synchronization-A	DM-ATS-A
Device Management-Manual Time Synchronization-A	DM-MTS-A
Device Management-Device Communication Control-A	DM-DCC-A
Device Management-Reinitialize Device-A	DM-RD-A
Device Management-Reinitialize Device-B	DM-RD-B
Device Management-Backup and Restore-A	DM-BR-A
Device Management-Restart-A	DM-R-A
Device Management-Restart-B	DM-R-B
Device Management-Object Creation and Deletion-A	DM-OCD-A
Device Management-List Manipulation-A	DM-LM-A
Device Management-List Manipulation-B	DM-LM-B
Device Management-Dynamic Device Assignment-A	DM-DDA-A

Audit Reporting

Audit Reporting-Advanced View and Modify-A

AR-AVM-A

Network Management

Network Management-BBMD Configuration-B

NM-BBMDC-B

Network Management-Foreign Device Registration-A

NM-FDR-A

Network Management-Secure Connect Hub-B

NM-SCH-B

Segmentation Capability

- | | |
|--|------|
| <input checked="" type="checkbox"/> Segmented requests supported, window size | 256 |
| <input checked="" type="checkbox"/> Segmented responses supported, window size | 256 |
| <input checked="" type="checkbox"/> Maximum APDU size in octets: | 1476 |

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)
- BACnet IP, (Annex J), Foreign Device
- BACnet Secure Connect (Annex B)
 - BACnet Secure Connect Node
 - BACnet Secure Connect Hub Function
 - Maximum number of simultaneous hub connections accepted: 750
 - Additional cipher suites supported beyond those required for TLS V1.3
 - The additional cipher suites supported using the cipher suite names as of the TLS Cipher Suite Registry at IANA (See RFC 8446):
- Additional Transport Layer Security versions other than V1.3 supported
 - The TLS versions other than V1.3 that are supported, including the supported cipher suites for the version beyond those required, using the cipher suite names as defined by the TLS version supported:
- Generates private keys internally, and provides matching certificate signing requests.
- DNS host name resolution supported (RFC 1123)

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

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ISO 10646 (UTF-8)
- IBM/Microsoft DBCS
- ISO 10646 (UCS-4)
- ISO 10646 (UCS-2)
- ISO 8859-1
- JIS X 0208

Standard Object Types Supported:

The following object types are supported and present in the device. Each standard Object Type is supported with following data:

R – Required

O – Optional

W – Writable

Device

Property	Conformance Code	Writable
Object_Identifier	R	
Object_Name	R	
Object_Type	R	
System_Status	R	
Vendor_Name	R	
Vendor_Identifier	R	
Model_Name	R	
Firmware_Revision	R	
Application_Software_Version	R	
Description	O	W
Protocol_Version	R	
Protocol_Revision	R	
Protocol_Services_Supported	R	
Protocol_Object_Types_Supported	R	
Object_List	R	
Max_APDU_Length_Accepted	R	
Segmentation_Supported	R	
Max_Segments_Accepted	O	
Local_Time	O	
Local_Date	O	
UTC_Offset	O	
Daylight_Savings_Status	O	
APDU_Segment_Timeout	O	
APDU_Timeout	R	
Number_Of_APDU_Retries	R	
Time_Synchronization_Recipients	O	W
UTC_Time_Synchronization_Recipients	O	W
Time_Synchronization_Interval	O	W
Align_Interval	O	W
Interval_Offset	O	W
Device_Address_Binding	R	
Database_Revision	R	
Last_Restart_Reason	O	
Time_Of_Device_Restart	O	
Restart_Notification_Recipients	O	W
Device_UUID	O	
Property_List	R	

Network Port

Property	Conformance Code	Writable
Object_Identifier	R	
Object_Name	R	
Object_Type	R	
Description	O	
Status_Flags	R	
Reliability	R	
Out_Of_Service	R	
Network_Type	R	
Network_Number	O	
Network_Number_Quality	O	
Changes_Pending	R	
MAC_Address	O	
APDU_Length	O	
Link_Speed	R	
BACnet_IP_Mode	O ¹	
IP_Address	O ¹	
BACnet_IP_UDP_Port	O ¹	
IP_Subnet_Mask	O ¹	
IP_Default_Gateway	O ¹	
IP_DNS_Server	O ¹	
IP_DHCP_Enanle	O ¹	
IP_DHCP_Lease_Time	O ¹	
IP_DHCP_Lease_Time_Remaining	O ¹	
IP_DHCP_Server	O ¹	
BBMD_Broadcast_Distribution_Table	O ¹	W
BBMD_Foreign_Device_Table	O ¹	
FD_BBMD_Address	O ¹	W
FD_Subscription_Lifetime	O ¹	W
Property_List	R	

¹ Present if the port is a BACnet/IP port