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BACnet Protocol Implementation Conformance Statement

Fill out date	11-November-2025
Vendor Name	Tridium Inc.
Product Name	JACE-9000
Product Model Number	JACE-9000, JACE-9000-001, JACE-9000-002, JACE-9000-005
BACnet Protocol Version	1
BACnet Protocol Revision	16
BACnet Device Profile	B-BC, B-RTR, B-GW, B-BBMD, B-SCHUB
BACnet Firmware Revision	4.14.3.24.6
BACnet Application Software Version	Tridium 4.14.3.24.6

BACnet Standardized Device Profiles Supported (Annex L)

	B-XAWS	Cross-Domain Advanced Workstation
	B-AWS	Advanced Operator Workstation
	B-OWS	Operator Workstation
	B-OD	Operator Display
	B-XAWS	Cross-Domain Advanced Workstation
	B-ALWS	Advanced Life Safety Workstation
	B-LOD	Lighting Operator Display
	B-ALSWS	Advanced Life Safety Workstation
	B-LSWS	Life Safety Workstation
	B-LSAP	Life Safety Annunciator Panel
	B-XAWS	Cross-Domain Advanced Operator Workstation
	B-AACWS	Advanced Access Control Workstation
	B-ACWS	Access Control Workstation
	B-ACSD	Access Control Security Display
	B-XAWS	Cross-Domain Advanced Operator Workstation
	B-AEWS	Advanced Elevator Workstation
	B-EWS	Elevator Workstation
	B-ED	Elevator Display
	B-ALCS	Advanced Lighting Control Station
	B-LCS	Lighting Control Station
✓	B-BC	Building Controller
	B-AAC	Advanced Application Controller
	B-ASC	Application Specific Controller
	B-SA	Smart Actuator
	B-SS	Smart Sensor
	B-LS	Lighting Supervisor
	B-LD	Lighting Device
	B-ALSC	Advanced Life Safety Controller
	B-LSC	Life Safety Controller
	B-AACC	Advanced Access Control Controller
	B-ACC	Access Control Controller
	B-AEC	Advanced Elevator Controller
	B-EC	Elevator Controller
	B-EM	Elevator Monitor

✓	B-RTR	Router
✓	B-GW	Gateway
✓	B-BBMD	BACnet Broadcast Management Device
	B-ACDC	Access Control Door Controller
	B-ACCR	Access Control Credential Reader
✓	B-SCHUB	Secure Connect Hub
	B-GENERAL	BACnet General

BACnet Interoperability Building Blocks Supported (Annex K)

Data Sharing

✓	DS-RP-A	ReadProperty - A
✓	DS-RP-B	ReadProperty - B
✓	DS-RPM-A	ReadPropertyMultiple - A
✓	DS-RPM-B	ReadPropertyMultiple - B
✓	DS-WP-A	WriteProperty - A
✓	DS-WP-B	WriteProperty - B
✓	DS-WPM-A	WritePropertyMultiple - A
✓	DS-WPM-B	WritePropertyMultiple - B
✓	DS-COV-A	Change Of Value - A
✓	DS-COV-B	Change Of Value - B
✓	DS-V-A	View - A
	DS-AV-A	Advanced View - A
✓	DS-M-A	Modify - A
	DS-AM-A	Advanced Modify - A
✓	DS-COVU-A	Change Of Value Unsubscribed - A
✓	DS-COVU-B	Change Of Value Unsubscribed - B
✓	DS-COVP-A	Change Of Value Property - A
✓	DS-COVP-B	Change Of Value Property - B
	DS-WG-A	WriteGroup - A
	DS-WG-I-B	WriteGroup - Internal - B
	DS-WG-E-B	WriteGroup - External - B
	DS-VSI-B	Value Source Information - B
	DS-COVM-A	Change Of Value Multiple - A
	DS-COVM-B	Change Of Value Multiple - B
	DS-LSV-A	Life Safety View - A
	DS-LSAV-A	Life Safety Advanced View - A
	DS-LSM-A	Life Safety Modify - A
	DS-LSAM-A	Life Safety Advanced Modify - A
	DS-ACV-A	Access Control View - A
	DS-ACAV-A	Access Control Advanced View - A

	DS-ACM-A	Access Control Modify - A
	DS-ACAM-A	Access Control Advanced Modify - A
	DS-ACUC-A	Access Control User Configuration - A
	DS-ACUC-B	Access Control User Configuration - B
	DS-ACSC-A	Access Control Site Configuration - A
	DS-ACSC-B	Access Control Site Configuration - B
	DS-ACAD-A	Access Control Access Door - A
	DS-ACAD-B	Access Control Access Door - B
	DS-ACCDI-A	Access Control Credential Data Input - A
	DS-ACCDI-B	Access Control Credential Data Input - B
	DS-LO-A	Lighting Output - A
	DS-LOS-A	Lighting Output Status - A
	DS-ALO-A	Advanced Lighting Output - A
	DS-LO-B	Lighting Output - B
	DS-BLO-B	Binary Lighting Output - B
	DS-LV-A	Lighting View - A
	DS-LAV-A	Lighting Advanced View - A
	DS-LM-A	Lighting Modify - A
	DS-LAM-A	Lighting Advanced Modify - A
	DS-EV-A	Elevator View - A
	DS-EAV-A	Elevator Advanced View - A
	DS-EM-A	Elevator Modify - A
	DS-EAM-A	Elevator Advanced Modify - A

Alarm and Event Management

✓	AE-N-A	Notification - A
✓	AE-N-I-B	Notification - Internal - B
	AE-N-E-B	Notification - External - B
✓	AE-ACK-A	Acknowledge - A
✓	AE-ACK-B	Acknowledge - B
	AE-ASUM-A	Alarm Summary - A
✓	AE-ASUM-B	Alarm Summary - B
	AE-ESUM-A	Enrollment Summary - A
✓	AE-ESUM-B	Enrollment Summary - B
	AE-INFO-A	Information - A

✓	AE-INFO-B	Information - B
	AE-ELV-A	Event Log View - A
	AE-ELVM-A	Event Log View and Modify - A
	AE-EL-I-B	Event Log - Internal - B
	AE-EL-E-B	Event Log - External - B
✓	AE-VN-A	View Notifications - A
✓	AE-VM-A	View Modify - A
✓	AE-AVN-A	Advanced View Notifications - A
	AE-AVM-A	Advanced View Modify - A
	AE-AS-A	Alarm Summary View - A
	AE-LS-A	LifeSafety - A
	AE-LS-B	LifeSafety - B
	AE-NF-B	Notification Forwarder - B
	AE-NF-I-B	Notification Forwarder - Internal - B
✓	AE-CRL-B	Configurable Recipient Lists - B
	AE-TES-A	Temporary Event Subscription - A
	AE-LSVN-A	Life Safety View Notifications - A
	AE-LSAVN-A	Life Safety Advanced View Notifications - A
	AE-LSVM-A	Life Safety View and Modify - A
	AE-LSAVM-A	Life Safety Advanced View and Modify - A
	AE-AC-A	Access Control - A
	AE-AC-B	Access Control - B
	AE-ACAVN-A	Access Control Advanced View Notifications - A
	AE-ACVM-A	Access Control View and Modify - A
	AE-ACAVM-A	Access Control Advanced View and Modify - A
	AE-EVN-A	Elevator View Notifications - A
	AE-EAVN-A	Elevator Advanced View Notifications - A
	AE-EVM-A	Elevator View and Modify - A
	AE-EAVM-A	Elevator Advanced View and Modify - A

Scheduling

	SCHED-AVM-A	Advanced View Modify - A
✓	SCHED-VM-A	View Modify - A
✓	SCHED-WS-A	Weekly Schedule - A
✓	SCHED-I-B	Internal - B

✓	SCHED-E-B	External - B
	SCHED-WS-I-B	Weekly Schedule - Internal - B
	SCHED-R-B	Readonly - B
	SCHED-A	Schedule - A
	SCHED-TMR-I-B	Timer - Internal - B
	SCHED-TMR-E-B	Timer - External - B

Trending

✓	T-V-A	View - A
	T-AVM-A	Advanced View and Modify - A
✓	T-VMT-I-B	Viewing and Modifying Trends - Internal - B
✓	T-VMT-E-B	Viewing and Modifying Trends - External - B
✓	T-ATR-A	Automated Trend Retrieval - A
✓	T-ATR-B	Automated Trend Retrieval - B
	T-VMMV-I-B	Viewing and Modifying Multiple Values - Internal - B
	T-VMMV-E-B	Viewing and Modifying Multiple Values - External - B
✓	T-AMVR-A	Automated Multiple Value Retrieval - A
	T-AMVR-B	Automated Multiple Value Retrieval - B
✓	T-A-A	Archival - A
	T-VMT-A	Viewing and Modifying Trends - A
	T-VMMV-A	Viewing and Modifying Multiple Values - A

Device Management

✓	DM-DDB-A	Dynamic Device Binding - A
✓	DM-DDB-B	Dynamic Device Binding - B
✓	DM-DOB-A	Dynamic Object Binding - A
✓	DM-DOB-B	Dynamic Object Binding - B
✓	DM-ADM-A	Automatic Device Mapping - A
✓	DM-ANM-A	Automatic Network Mapping - A
✓	DM-TS-A	Time Synchronization - A
✓	DM-TS-B	Time Synchronization - B
✓	DM-UTC-A	UTC Time Synchronization - A
✓	DM-UTC-B	UTC Time Synchronization - B

✓	DM-ATS-A	Automatic Time Synchronization - A
✓	DM-MTS-A	Manual Time Synchronization - A
	DM-DCC-A	Device Communication Control - A
✓	DM-DCC-B	Device Communication Control - B
	DM-RD-A	Reinitialize Device - A
✓	DM-RD-B	Reinitialize Device - B
	DM-BR-A	Backup and Restore - A
✓	DM-BR-B	Backup and Restore - B
✓	DM-R-A	Restart - A
✓	DM-R-B	Restart - B
	DM-OCD-A	Object Creation and Deletion - A
✓	DM-OCD-B	Object Creation and Deletion - B
✓	DM-LM-A	List Manipulation - A
✓	DM-LM-B	List Manipulation - B
	DM-TM-A	Text Message - A
	DM-TM-B	Text Message - B
	DM-VT-A	Virtual Terminal - A
	DM-VT-B	Virtual Terminal - B
✓	DM-SP-VM-A	Slave Proxy - View and Modify - A
	DM-SP-B	Slave Proxy - B
	DM-DDA-A	Dynamic Device Assignment - A
	DM-DDA-B	Dynamic Device Assignment - B
	DM-LOM-A	Lighting Output Management - A

Network Management

✓	NM-RC-B	Router Configuration - B
	NM-CE-A	Connection Establishment - A
	NM-CE-B	Connection Establishment - B
	NM-RC-A	Router Configuration - A
	NM-BBMDC-A	BBMD Configuration - A
✓	NM-BBMDC-B	BBMD Configuration - B
✓	NM-FDR-A	Foreign Device Registration - A
✓	NM-SCH-B	Secure Connect Hub - B
✓	NM-SCDC-A	Secure Connect Direct Connect - A

✓	NM-SCDC-B	Secure Connect Direct Connect - B
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Gateway

	GW-VN-B	Virtual Network - B
✓	GW-EO-B	Embedded Objects - B

Segmentation Capability

- ☒ Able to transmit segmented messages, Window Size : 10
- ☒ Able to receive segmented messages, Window Size : 10

Standard Object Types Supported

Object	Creatable	Deletable
AnalogInput		
AnalogOutput		
AnalogValue		
BinaryInput		
BinaryOutput		
BinaryValue		
Calendar	✓	✓
Device		
EventEnrollment	✓	✓
File		
Loop		
MultiStateInput		
MultiStateOutput		
MultiStateValue		
NotificationClass	✓	✓
Schedule	✓	✓
TrendLog	✓	✓
StructuredView		
LargeAnalogValue		
IntegerValue		
PositiveIntegerValue		

For Writability (W) column, W = Always Writable, CW = Conditionally Writable.

Analog Input

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W

	Property	W
✓	Device_Type	
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Update_Interval	
✓	Units	
✓	Min_Pres_Value	W
✓	Max_Pres_Value	W
✓	Resolution	
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	High_Limit	CW
✓	Low_Limit	CW
✓	Deadband	CW
✓	Limit_Enable	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Interface_Value	
	Fault_High_Limit	
	Fault_Low_Limit	

	Property	W
	Profile_Name	

Analog Output

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	W
✓	Description	W
✓	Device_Type	
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Units	
✓	Min_Pres_Value	W
✓	Max_Pres_Value	W
✓	Resolution	
✓	Priority_Array	
✓	Relinquish_Default	W
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	High_Limit	CW
✓	Low_Limit	CW
✓	Deadband	CW
✓	Limit_Enable	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	

	Property	W
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Interface_Value	
	Profile_Name	

Analog Value

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Units	
✓	Priority_Array	
✓	Relinquish_Default	CW
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	High_Limit	CW
✓	Low_Limit	CW
✓	Deadband	CW

	Property	W
✓	Limit_Enable	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Min_Pres_Value	W
✓	Max_Pres_Value	W
✓	Resolution	
✓	Property_List	
	Fault_High_Limit	
	Fault_Low_Limit	
	Profile_Name	

Binary Input

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W
✓	Device_Type	
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W

	Property	W
✓	Polarity	W
✓	Inactive_Text	W
✓	Active_Text	W
✓	Change_Of_State_Time	
✓	Change_Of_State_Count	CW
✓	Time_Of_State_Count_Reset	CW
✓	Elapsed_Active_Time	CW
✓	Time_Of_Active_Time_Reset	CW
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Alarm_Value	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Interface_Value	
	Profile_Name	

Binary Output

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	

	Property	W
✓	Present_Value	W
✓	Description	W
✓	Device_Type	
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Polarity	W
✓	Inactive_Text	W
✓	Active_Text	W
✓	Change_Of_State_Time	
✓	Change_Of_State_Count	CW
✓	Time_Of_State_Count_Reset	CW
✓	Elapsed_Active_Time	CW
✓	Time_Of_Active_Time_Reset	CW
✓	Minimum_Off_Time	W
✓	Minimum_On_Time	W
✓	Priority_Array	
✓	Relinquish_Default	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Feedback_Value	
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW

	Property	W
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Interface_Value	
	Profile_Name	

Binary Value

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Inactive_Text	W
✓	Active_Text	W
✓	Change_Of_State_Time	
✓	Change_Of_State_Count	CW
✓	Time_Of_State_Count_Reset	CW
✓	Elapsed_Active_Time	CW
✓	Time_Of_Active_Time_Reset	CW
✓	Minimum_Off_Time	CW
✓	Minimum_On_Time	CW
✓	Priority_Array	
✓	Relinquish_Default	CW
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Alarm_Value	CW

	Property	W
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
	Profile_Name	

Calendar

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	
✓	Description	W
✓	Present_Value	
✓	Date_List	W
✓	Property_List	
	Profile_Name	

Device

	Property	W
✓	Object_Identifier	CW
✓	Object_Name	
✓	Object_Type	
✓	System_Status	

	Property	W
✓	Vendor_Name	
✓	Vendor_Identifier	
✓	Model_Name	
✓	Firmware_Revision	
✓	Application_Software_Version	
✓	Location	W
✓	Description	W
✓	Protocol_Version	
✓	Protocol_Revision	
✓	Protocol_Services_Supported	
✓	Protocol_Object_Types_Supported	
✓	Object_List	
	Structured_Object_List	
✓	Max_APDU_Length_Accepted	
✓	Segmentation_Supported	
✓	Max_Segments_Accepted	
	VT_Classes_Supported	
	Active_VT_Sessions	
✓	Local_Time	
✓	Local_Date	
✓	UTC_Offset	
✓	Daylight_Savings_Status	
✓	APDU_Segment_Timeout	
✓	APDU_Timeout	
✓	Number_Of_APDU_Retrieves	
✓	Time_Synchronization_Recipients	W
✓	Max_Master	
✓	Max_Info_Frames	
✓	Device_Address_Binding	
✓	Database_Revision	
✓	Configuration_Files	
✓	Last_Restore_Time	

	Property	W
✓	Backup_Failure_Timeout	W
✓	Backup_Preparation_Time	
✓	Restore_Preparation_Time	
✓	Restore_Completion_Time	
✓	Backup_And_Restore_State	
✓	Active_COV_Subscriptions	
	Slave_Proxy_Enable	
	Manual_Slave_Address_Binding	
	Auto_Slave_Discovery	
	Slave_Address_Binding	
✓	Last_Restart_Reason	
✓	Time_Of_Device_Restart	
✓	Restart_Notification_Recipients	W
✓	UTC_Time_Synchronization_Recipients	W
✓	Time_Synchronization_Interval	W
✓	Align_Intervals	W
✓	Interval_Offset	W
✓	Serial_Number	
✓	Property_List	
	Status_Flags	
	Event_State	
	Reliability	
	Event_Detection_Enable	
	Notification_Class	
	Event_Enable	
	Acked_Transitions	
	Notify_Type	
	Event_Time_Stamps	
	Event_Message_Texts	
	Event_Message_Texts_Config	
	Reliability_Evaluation_Inhibit	
✓	Device_UUID	
	Profile_Name	

Event Enrollment

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	
✓	Description	W
✓	Event_Type	
✓	Notify_Type	W
✓	Event_Parameters	W
✓	Object_Property_Reference	W
✓	Event_State	
✓	Event_Enable	W
✓	Acked_Transitions	W
✓	Notification_Class	W
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	W
✓	Event_Detection_Enable	W
✓	Event_Algorithm_Inhibit_Ref	W
✓	Event_Algorithm_Inhibit	W
✓	Time_Delay_Normal	W
✓	Status_Flags	
✓	Reliability	
	Fault_Type	
	Fault_Parameters	
	Reliability_Evaluation_Inhibit	
✓	Property_List	
	Profile_Name	

File

	Property	W
✓	Object_Identifier	

	Property	W
✓	Object_Name	W
✓	Object_Type	
✓	Description	W
✓	File_Type	
✓	File_Size	CW
✓	Modification_Date	
✓	Archive	W
✓	Read_Only	
✓	File_Access_Method	
	Record_Count	
✓	Property_List	
	Profile_Name	

Loop

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Update_Interval	
✓	Output_Units	
✓	Manipulated_Variable_Reference	
✓	Controlled_Variable_Reference	
✓	Controlled_Variable_Value	
✓	Controlled_Variable_Units	
✓	Setpoint_Reference	

	Property	W
✓	Setpoint	CW
✓	Action	
✓	Proportional_Constant	W
✓	Proportional_Constant_Units	
✓	Integral_Constant	W
✓	Integral_Constant_Units	
✓	Derivative_Constant	W
✓	Derivative_Constant_Units	
✓	Bias	W
✓	Maximum_Output	W
✓	Minimum_Output	W
✓	Priority_For_Writing	
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Error_Limit	CW
✓	Deadband	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Low_Diff_Limit	CW
	Profile_Name	

Multi-State Input

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W
✓	Device_Type	
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Number_Of_States	
✓	State_Text	w
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Alarm_Values	CW
	Fault_Values	
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Interface_Value	
	Profile_Name	

Multi-State Output

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	W
✓	Description	W
✓	Device_Type	
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Number_Of_States	
✓	State_Text	W
✓	Priority_Array	
✓	Relinquish_Default	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Feedback_Value	
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Property_List	
✓	Interface_Value	

	Property	W
	Profile_Name	

Multi-State Value

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Present_Value	CW
✓	Description	W
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Number_Of_States	
✓	State_Text	W
✓	Priority_Array	
✓	Relinquish_Default	CW
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	Alarm_Values	CW
	Fault_Values	
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW

	Property	W
	Reliability_Evaluation_Inhibit	
✓	Property_List	
	Profile_Name	

Notification Class

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	
✓	Description	W
	Notification_Class	
✓	Priority	W
✓	Ack_Required	W
✓	Recipient_List	W
✓	Property_List	
	Status_Flags	
	Event_State	
	Reliability	
	Event_Detection_Enable	
	Event_Enable	
	Acked_Transitions	
	Notify_Type	
	Event_Time_Stamps	
	Event_Message_Texts	
	Event_Message_Texts_Config	
	Reliability_Evaluation_Inhibit	
	Profile_Name	

Schedule

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	

	Property	W
✓	Present_Value	W
✓	Description	W
✓	Effective_Period	W
✓	Weekly_Schedule	W
✓	Exception_Schedule	W
✓	Schedule_Default	W
✓	List_Of_Object_Property_References	W
✓	Priority_For_Writing	W
✓	Status_Flags	
✓	Reliability	
✓	Out_Of_Service	CW
	Event_Detection_Enable	
	Notification_Class	
	Event_Enable	
	Event_State	
	Acked_Transitions	
	Notify_Type	
	Event_Time_Stamps	
	Event_Message_Texts	
	Event_Message_Texts_Config	
	Reliability_Evaluation_Inhibit	
✓	Property_List	
	Profile_Name	

Trend Log

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	
✓	Description	W
✓	Enable	W
✓	Start_Time	W

	Property	W
✓	Stop_Time	W
✓	Log_DeviceObjectProperty	W
✓	Log_Interval	W
✓	COV_Resubscription_Interval	W
✓	Client_COV_Increment	W
✓	Stop_When_Full	W
✓	Buffer_Size	W
✓	Log_Buffer	
✓	Record_Count	W
✓	Total_Record_Count	
✓	Logging_Type	
	Align_Intervals	
	Interval_Offset	
✓	Trigger	
✓	Status_Flags	
	Reliability	
✓	Notification_Threshold	CW
✓	Records_Since_Notification	
✓	Last_Notify_Record	
✓	Event_State	
✓	Notification_Class	CW
✓	Event_Enable	
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
	Event_Algorithm_Inhibit_Ref	
	Event_Algorithm_Inhibit	
	Reliability_Evaluation_Inhibit	
✓	Property_List	

	Property	W
	Profile_Name	

Structured View

	Property	W
✓	Object_Identifier	
✓	Object_Name	W
✓	Object_Type	
✓	Description	W
✓	Node_Type	
✓	Node_Subtype	
✓	Subordinate_List	
✓	Subordinate_Annotations	
✓	Property_List	
	Profile_Name	

CharacterString Value

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Description	W
✓	Present_Value	W
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Priority_Array	
✓	Relinquish_Default	W
	Time_Delay	
	Notification_Class	
	Alarm_Values	
	Fault_Values	

	Property	W
	Event_Enable	
	Acked_Transitions	
	Notify_Type	
	Event_Time_Stamps	
	Event_Message_Texts	
	Event_Message_Texts_Config	
	Event_Detection_Enable	
	Event_Algorithm_Inhibit_Ref	
	Event_Algorithm_Inhibit	
	Time_Delay_Normal	
	Reliability_Evaluation_Inhibit	
✓	Property_List	
	Profile_Name	

Large Analog Value

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Description	W
✓	Present_Value	CW
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Units	
✓	Priority_Array	
✓	Relinquish_Default	CW
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	High_Limit	CW
✓	Low_Limit	CW

	Property	W
✓	Deadband	CW
✓	Limit_Enable	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Min_Pres_Value	W
✓	Max_Pres_Value	W
✓	Resolution	
✓	Property_List	
	Fault_High_Limit	
	Fault_Low_Limit	
	Profile_Name	

Integer Value

	Property	W
✓	Object_Identifier	
✓	Object_Name	
✓	Object_Type	
✓	Description	W
✓	Present_Value	CW
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W

	Property	W
✓	Units	
✓	Priority_Array	
✓	Relinquish_Default	CW
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	High_Limit	CW
✓	Low_Limit	CW
✓	Deadband	CW
✓	Limit_Enable	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Min_Pres_Value	W
✓	Max_Pres_Value	W
✓	Resolution	
✓	Property_List	
	Fault_High_Limit	
	Fault_Low_Limit	
	Profile_Name	

Positive Integer Value

	Property	W
✓	Object_Identifier	

	Property	W
✓	Object_Name	
✓	Object_Type	
✓	Description	W
✓	Present_Value	CW
✓	Status_Flags	
✓	Event_State	
✓	Reliability	
✓	Out_Of_Service	W
✓	Units	
✓	Priority_Array	
✓	Relinquish_Default	CW
✓	COV_Increment	W
✓	Time_Delay	CW
✓	Notification_Class	CW
✓	High_Limit	CW
✓	Low_Limit	CW
✓	Deadband	CW
✓	Limit_Enable	CW
✓	Event_Enable	CW
✓	Acked_Transitions	
✓	Notify_Type	CW
✓	Event_Time_Stamps	
✓	Event_Message_Texts	
✓	Event_Message_Texts_Config	CW
✓	Event_Detection_Enable	CW
✓	Event_Algorithm_Inhibit_Ref	CW
✓	Event_Algorithm_Inhibit	CW
✓	Time_Delay_Normal	CW
	Reliability_Evaluation_Inhibit	
✓	Min_Pres_Value	W
✓	Max_Pres_Value	W

	Property	W
✓	Resolution	
✓	Property_List	
	Fault_High_Limit	
	Fault_Low_Limit	
	Profile_Name	

BACnet Data Link Layer Options

- ☐ ARCNET (ATA 878.1), 2.5 Mb. (Clause 8)
- ☐ ARCNET (ATA 878.1), EIA-485 (Clause 8), baud rate(s)
- ☒ BACnet IP, (Annex J)
- ☒ BACnet IP, (Annex J), BACnet Broadcast Management Device (BBMD)
- ☐ BACnet IP, (Annex J), Network Address Translation (NAT Traversal)
- ☐ BACnet IPv6, (Annex U)
- ☐ BACnet IPv6, (Annex U), BACnet Broadcast Management Device (BBMD)
- ☐ BACnet/ZigBee (Annex O)
- ☐ Ethernet, ISO 8802-3 (Clause 7)
- ☐ LonTalk, ISO/IEC 14908.1 (Clause 11), medium
- ☒ MS/TP Master (Clause 9)
- ☐ MS/TP Slave
- ☐ MS/TP Transceiver
- ☐ MS/TP Resistors
- ☐ MS/TP Transceiver Unit
- ☐ MS/TP Data Rates
- ☐ Point-To-Point, EIA 232 (Clause 10), baud rate(s)
- ☐ Point-To-Point, modem, (Clause 10), baud rate(s)

- ☒ BACnet Secure Connect Node (Annex AB)
- ☐ BACnet Secure Connect Node, Maximum number of simultaneous direct connections initiated
- ☐ BACnet Secure Connect Node, Maximum number of simultaneous direct connections accepted
- ☒ BACnet Secure Connect Hub Function (Annex AB)
- ☒ BACnet Secure Connect Hub Function, Maximum number of simultaneous hub connections accepted : 250
- ☐ HTTPS Proxy Support, Types of HTTPS proxies supported
- ☐ Additional cipher suites supported beyond those required for TLS V1.3, 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, TLS versions other than V1.3 that are supported
- ☒ Generates private keys internally, and provides matching certificate signing requests
- ☐ DNS host name resolution supported (RFC 1123)
- ☐ mDNS host name resolution supported (RFC 6762)
- ☐ Other

Device Address Binding

☒ Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)

Networking Options

☒ Router, Clause 6 - List all routing configurations, e.g., BACnet/IP-BACnet/SC, BACnet/IP-BACnet/IP, BACnet/SC-BACnet/SC, BACnet/IP-BACnet/MSTP, BACnet/MSTP-BACnet/MSTP

☐ Annex H, BACnet Tunneling Router over IP

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 8859-1

☒ ISO 10646 (UCS-2)

☒ ISO 10646 (UCS-4)

☒ JIS X 0208

Gateway Options

☐ Product is a communication gateway which represents a network of virtual BACnet Devices